



2022 Price List

May 2022
1024.N v2
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Series PD

13

Model	Max Output GPH	Max Pressure I/h	PSI	Bar
Series PD with FASTPRIME™				
PDx1	0.25	0.95	450	30.6
PDx4	0.68	2.57	250	17.0
PDx5	1.10	3.79	110	7.5
PDx6	2.00	7.57	50	3.4
Series PD with AUTOPRIME™				
PDx4	0.20	0.76	250	17
PDx5	0.75	2.84	110	7.5
PDx6	1.75	6.62	50	3.4

EXCEL™ AD

18

Model	Max Output GPH	Max Pressure I/h	PSI	Bar
EXCEL™ AD with FASTPRIME™				
ADx1	0.21	0.8	250	17.2
ADx4	0.5	1.9	250	17.2
ADx5	1.0	3.8	110	7.6
ADx6	2.0	7.6	50	3.4
EXCEL™ AD with AUTOPRIME™				
ADx1	0.15	0.6	250	17.2
ADx4	0.33	1.2	250	17.2
ADx5	0.80	3.0	110	7.6
ADx6	1.80	6.8	50	3.4

SERIES B

23

Model	Max Output GPH	Max Pressure I/h	PSI	Bar
Series B with LIQUIPRO™				
Bx1	1.6	6.1	150	10.3
Bx2	2.5	9.5	100	6.9
Bx3	4.5	17.0	50	3.4
Bx4	7.0	26.5	30	2.07
Series B with AUTOPRIME™				
Bx1	1.4	5.3	150	10.3
Bx2	2.3	8.7	100	6.9
Bx3	4.0	15.1	50	3.4
Bx4	6.8	25.7	30	2.07

SERIES C

28

Model	Max Output GPH	Max Pressure I/h	PSI	Bar
Series C with LIQUIPRO™				
Cx0	1.3	4.9	300	20.7
Cx1	2.5	9.5	150	10.3
Cx2	4.0	15.1	100	6.9
Cx3	8.0	30.3	60	4.1
Cx4	20.0	75.7	25	1.7
C76	4.0	15.1	175	12.1
C77	10.0	38.0	80	5.5
C78	25.0	95.0	30	2.07
Series C with AUTOPRIME™				
Cx1	2.3	8.7	150	10.3
Cx2	3.8	14.4	100	6.9
Cx3	7.8	29.5	60	4.1

SERIES E - Explosion Proof Pumps

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Model	Max Output GPH	Max Pressure I/h	PSI	Bar
Series E with LIQUIPRO™				
E70	1.3	4.9	300	20.7
E71	2.5	9.5	150	10.3
E72	4.0	15.1	100	6.9
E73	8.0	30.3	60	4.1
E74	20.0	76.0	25	1.7
Series E with AUTOPRIME™				
E71	2.3	8.7	150	10.3
E72	3.8	14.4	100	6.9
E73	7.8	29.5	60	4.1

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EXCEL® XR

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Specifications

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Model	Max Output GPH	Max Pressure I/h	PSI	Bar
XRD2	5.6	21.2	175	12.1
XRD3	14	53	75	5.0
XRD4	18	68.1	50	3.5
XRE2	16	60.6	150	10.3
XRE3	32	121.1	100	6.9
XRE4	53	200.6	60	4.1

EXCEL™ XR Accessories

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EXCEL™ XR Pump Parts

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SERIES G

72

Model	Max Output SD	Max Pressure GPH	PSI	Bar
SD2	0.7	2.6	175	12.1
SD4	12	45	150	10.3
SD7	50	189	100	6.9
SD8	115	435	75	5.2

Model	Max Output GPH	Max Pressure I/h	PSI	Bar
SG5	106	400	150	10.3
SG6	147	556	100	6.9
SG7	300	1136	50	3.4

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Minimum Advertised Price Policy

Revision effective April 1, 2018

As one of the world's leading producers and suppliers of pumps, water treatment controllers, and metering pumps, Milton Roy is focused on ensuring that customers receive the high quality products and support that Milton Roy seeks to have associated with the company's trademarks, including the LMI brand. That requires ensuring that every tier of the distribution chain—including Master Distributors and the Sub-distributors/Resellers—has the economic incentive to make the investment necessary to provide the quality of product sales and support that a premium brand like LMI needs and deserves. Consistent with our brand strategy and marketing, we have developed the following Minimum Advertised Price ("MAP") policy for LMI products. We have adopted this MAP Policy to prevent advertising that tends to depreciate or degrade the image and positioning of Milton Roy's LMI brand, products, and trademarks in the marketplace, thereby eroding goodwill and brand reputation. We also want to ensure that Master Distributors of LMI products and support services are not undermined by the advertising of "free riding" distributors that do not offer such services. By adhering to this MAP Policy, Master Distributors are likely to benefit from enhanced profitability, customer loyalty, and product image. All Master Distributors are prohibited from directly or indirectly violating this MAP policy.

Milton Roy MAP Policy Guidelines

MAP pricing for all products can be found on your current price list and is equal to the current LIST PRICE. All advertised prices must be at or above MAP for all products if a MAP price has been established by Milton Roy. Master Distributors are not required to list prices in advertising. If a price is listed in an advertisement, however, it must be at or above MAP. Other statements such as "call for price" or "call for quote" are acceptable and permitted. Master Distributors are also responsible for ensuring that their product pricing is at or above MAP on Internet search engines. Master Distributors are free to set the actual resale price of any product but are encouraged to maintain resale prices at or above the MAP price as published in the most recent price list.

This policy applies to advertising placements, including print ads (inserts, magazines, newspapers, catalogs, mail order catalogs, etc.), broadcast (radio and TV), direct mail, faxes, Internet placement with third parties (banner ads, broadcast emails, destination pages, third-party sites), Internet placements on a Master Distributor's own website, and any flyers, posters, or coupons.

Master Distributors of LMI products are encouraged to supply a copy of this policy to any new or existing Sub-distributors/Resellers.

Pricing Statements

This MAP Policy does allow Master Distributors to omit pricing entirely from advertisements and/or advertisement statements such as "Call for Price" or "Call for Quote."

Free Offers

Free shipping and/or handling, 0% sales tax, or free financing promotions do not violate the MAP Policy.

Products Price Matching Policies

Price matching policies are acceptable. Price matching cannot be used as a valid reason for violations of this MAP Policy, and violations by other distributors or resellers does not grant a Master Distributor or anyone else a right to violate the MAP policy. The Master Distributor's advertised price must always be at MAP or higher.

Practices Inconsistent with the Minimum Advertised Price Policy

Advertising practices that are inconsistent with and a violation of the MAP Policy are not permitted. While it is not possible to list all such inconsistent practices, some of them are listed below:

- Advertising LMI products below the MAP, in any medium (including in-store, print, audio, video, Internet communications or online).
- In eCommerce transactions, "see cart for pricing" are inconsistent with LMI brand guidelines if the consumer is not required to enter a specific log in (i.e. account number) or password to see this pricing.
- Website features such as "click for price", automated "bounce-back" pricing e-mails, preformatted e-mail responses, forms, and automatic price display for any items prior to being placed in a customer's shopping cart, and other similar features are considered to be communications initiated by the distributor (rather than by the customer) and thereby constitute "advertising" under this MAP Policy. Thus, these actions will be non-compliant with this policy
- Advertising volume discounts that are less than MAP price at the individual SKU level will be considered a violation of this policy.
- Unapproved coupons specifically for LMI products.
- Use of generic coupons for any merchandise in the store or online, when the use of that coupon is "netted out" or shown in an advertisement for LMI products. *(With respect to coupons that cover any and all of the merchandise in a retailer's store, while it is our strong preference that LMI products be excluded from such coupons, we will not consider such all merchandise coupons to be an inconsistent practice).*
- If a distributor or wholesaler with multiple store locations violates the MAP Policy at any one store location, or on any associated website, then LMI will consider this to be a violation by the distributor or wholesaler.

Enforcement of the Minimum Advertised Price Policy

LMI and the Master Distributor channel will monitor the practices of distributors and resellers either directly or via 3rd party agencies and/or analytical tools in all markets. Distributors and Wholesalers are expected to provide reasonable cooperation in any LMI investigations regarding possible MAP Policy violations. Hindering or otherwise failing to cooperate with an LMI MAP Policy investigation will be considered a violation of the MAP Policy. Upon discovering that a Master Distributor, distributor or reseller is engaging in any inconsistent practice as described above, LMI will take the actions outlined below, unilaterally and without consultation or agreement with either the non-compliant Master Distributors, distributors or reseller or others. LMI will hold authorized Master Distributors responsible for actions by their resellers or sub-distributors that violate the MAP policy.

- *If an initial violation occurs, the Master Distributor Channel will be expected make all attempts to work through the violation without involvement from LMI. If or when a resolution cannot be reached, LMI may be contacted for an interpretation of the expected guidelines and to give LMI notice of the violation.*
- *If a second violation occurs, LMI will issue an official warning to the Master Distributor responsible for the offending conduct or the offending distributor or reseller. Upon receipt of such letter, the responsible Master Distributor will have 10 working days to respond with an explanation and/or steps to resolve the matter. This response will be sent to LMI for records keeping.*
- *Further violations can result in any or all of the following actions:*
 - *Restrict future orders to the offending distributor and/or reseller to be enforced by the Master Distributor. Proof must be provided to LMI of enforcement.*
 - *Place Regional Responsibility under review for a period of 60 days*
 - *Terminate our business relationship with non-compliant Master Distributors. Such a decision will be made by the LMI management team.*

Failure to Comply with the MAP Policy

At the sole discretion of Milton Roy, failure to comply with this policy may result in a decision by Milton Roy not to sell products to a Master Distributor in the future and to terminate any agreement(s) in place with a Master Distributor.

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CHEMICAL RESISTANCE GUIDE

This guide is offered as a general aid in selecting the appropriate materials used for a broad spectrum of aggressive chemicals routinely handled by the products we manufacture. Because chemicals and their properties can vary greatly, this chart is to be used at your discretion. The accuracy of these ratings cannot be guaranteed. Your chemical supplier is the best source for definitive material compatibility. Careful consideration must be given to all characteristics of the chemical and process system including chemical concentration, installation conditions, pressure, and temperature before a final material is selected.

Although the information set forth herein is presented in good faith and believed to be correct at date of issuance, LMI makes no guarantee or representation as to the completeness or accuracy thereof, and disclaims all liability for any loss or damage resulting from use or reliance upon any information, recommendations or suggestions contained herein. LMI MAKES NO EXPRESS OR IMPLIED REPRESENTATIONS OF WARRANTIES AS TO THE FITNESS, MERCHANTABILITY, OR ANY OTHER MATTER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN OR ANY PRODUCT OR SUBSTANCE REFERRED TO HEREIN, whether used alone or in combination with any other material. Nothing contained herein is to be construed as a recommendation to use any product in conflict with any patent. The information is subject to change without notice.

These materials represent the majority of standard liquid end materials used with products we manufacture.

As always, you can rely on your LMI distributor to help with standard and unique applications. Refer to the most current chemical resistance guide by scanning the QR Code or searching for “chemical resistance guide” on support.lmipumps.com.



MATERIAL DESCRIPTIONS

METAL WETTED COMPONENTS

316 Stainless Steel – alloy of iron, carbon, nickel and chromium. A nonmagnetic stainless steel with more ductility than 400SS. Austenitic in structure, 316 stainless steel has excellent corrosion resistance to a wide range of chemicals. It is not susceptible to stress corrosion cracking or affected by heat treatment. 316 stainless steel is the most widely used material for pump heads, check valves, balls and other wetted components.

Alloy 20 – contains more nickel and chromium than 300 series stainless steel and with the addition of columbium that retards stress corrosion cracking and has improved resistance to sulfuric acid.

Alloy C – a high nickel-chromium molybdenum alloy that has outstanding resistance to a wide variety of chemical process environments, including strong oxidizers such as sodium hypochlorite, and ferric chloride. Alloy C is also resistant to nitric, hydrochloric, and sulfuric acids at moderate temperatures. It's often used as spring material in check valves of non-metallic pumps. Two grades of Alloy C are used in pump components, C276® and C22®. The two grades differ slightly in chemical compatibility, so care should be taken in the selection process.



NON-METAL WETTED COMPONENTS

Acrylic – resistant to many chemicals. Acrylic is often favored over other plastics for use as pump head material because it is clear and enables the user to observe pump performance.

Ceramic – Is used for seats, weights and ball checks in a number of pump products. Ceramic has the advantages of having a high level of hardness while being very corrosion resistant to a wide range of chemicals even at elevated temperatures. Alumina is not compatible with some chemicals such as hydrofluoric, hydrofluorosilicic, and hydrochloric acids.

Polyethylene – has excellent chemical resistance to strong acids and bases. It is also resistant to gentle oxidants and reducing agents. Its primary use in pumps is as a seat material in pump heads made primarily of other plastic materials.

Polypropylene – is generally high in chemical resistance but slightly lower in physical properties compared to PVC. It is chemically resistant to organic solvents, acids, and alkalines. It is typically not effective when in contact with strong oxidizing acids, chlorinated hydrocarbons, and aromatics.

PVC – PVC is the most frequently specified of all thermoplastic materials. It is characterized by high physical properties and resistance to corrosion and chemical attack by acids, alkalines, salt solutions, and many other chemicals. It is not successful handling ketones, some chlorinated hydrocarbons, and aromatics. The maximum service temperature of PVC is 140°F. PVC pipe connections can be solvent cemented (recommended for many chemicals) threaded, or flanged.

PVDF – a strong and abrasion-resistant fluorocarbon material. It resists distortion and retains most of its strength to 280°F. PVDF is excellent with most acids, bases, and organic solvents. It also applies well to chlorine, bromine and other halogens. No other plastic material approaches the combination of strength, chemical resistance and working temperatures of PVDF. PVDF is joined by a fusion process, threading or flanging.

NOTE: For applications where Alloy C springs are not compatible, PVDF coated springs are available.

NOTE: For unlisted chemicals, consult your LMI distributor or chemical manufacturer.

NOTE REFERENCES

1. Consult LMI distributor
2. Absorption of moisture from the air dilutes chemical and increases corrosion.
3. Consult LMI distributor for assistance
4. Consult LMI distributor - Slurry - use HV liquidends
5. Liquified gas - consult LMI distributor
6. Polypropylene only good to 38% concentration.
7. Polypropylene, PEEK, and FKM up to 80 % concentration.
8. Recommend liquid end flush
9. Recommend liquid end flushing
10. Subject to gas binding - use degassing head.
11. Use 316 ss if Titanium Dioxide must remain white
12. Use degassing head, double ball checks, Polyethylene must be HDPE
13. Use liquid ends with HV options
14. Use high alumina ceramic ball checks
15. Use HV liquid ends
16. Use PTFE ball checks
17. Use slurry checks
18. Usually requires high temp options - Consult LMI distributor
19. Volatile with hydrocarbons - Subject to gas binding - use degassing head.
20. Can be very corrosive - recommend plastics
21. High specific gravity - use spring loaded checks

ELASTOMERS AND SEALS

8

POLYPREL® (TFE/P) – is a copolymer of tetrafluoroethylene and propylene with a fluorine content of about 54%. This material is resistant to petroleum products and phosphate-esters. Service temperatures are -25°F to 400°F. Polyprel® provides improved chemical resistance to a wide spectrum of oils, rust inhibitors, amines, acids and bases. Polyprel® is typically used for o-rings in various pump models.

Nitrile (Buna-N) – a general purpose oil-resistant polymer known as nitrile rubber. Nitrile is a copolymer of butadiene and acrylonitrile with a moderate temperature range of -20°F to 180°F. Nitrile is resistant with solvents, oils, water, and hydraulic fluid. Nitrile should not be used with highly polar solvents such as acetone and methyl ethyl ketone, or in applications with chlorinated hydrocarbons, ozone or nitro hydrocarbons. In metering pumps Nitrile is primarily used for o-ring seals.

EPDM – EPDM has good abrasion and tear resistance and offers excellent chemical resistance to a variety of acids and alkalines. It is susceptible to attack by oils and is not recommended for applications involving petroleum oils, strong acids, or strong alkalines. It is fairly good with ketones and alcohols and has a temperature range from -20°F to 250°F.

PEEK – Polyetheretherketone is a high-performance engineered thermoplastic that can be used as diaphragm material when an application exceeds PTFE temperature or tensile strength limits. PEEK can be used up to 550°F.

PTFE/FLUOROFILM™ – has outstanding resistance to chemical attack by most chemicals and solvents. PTFE has a wide temperature rating of -20°F to 400°F as a seal. It is also used as the primary material in diaphragms where temperature limits vary based on backing material. FluoroFilm™ is a copolymer of PTFE and PFA.

FKM – compatible with a broad range of chemicals. FKM is usually used for o-rings, and as a backing material for PTFE diaphragms. It can also be used for ball checks. FKM can be used in most applications involving mineral acids, salt solutions, chlorinated hydrocarbons, and petroleum oils. It is also good in hydrocarbon service. FKM has a temperature range of -20°F to 300°F.

Solution Temperature Maximum

For liquid handling components of LMI metering pumps operation at 100 psi (6.9 Bar)

Material	Example Of Use	Temperature °F	°C
PVDF (Carbon Fiber Reinforced)	Fittings and Pump Head	250*	121*
Polyprel® (TFE/P)	Seal Rings	250*	121*
Polypropylene	Fittings and Pump Head	170	77
Polyvinyl Chloride Rigid (PVC)	Fittings and Pump Head	140	60
Polyvinyl Chloride (Flexible Vinyl)	Suction Tubing	140	60
Polyethylene	Discharge Tubing	110	43
Acrylic	Pump Head	140	60
PTFE	Liquifram™ and Seal Rings	250*	121*
FKM	Diaphragm and Seal Rings	225	107
Stainless Steel (316)	Fittings and Pump Head	250*	121*
Copolymer PTFE	Liquifram™	250*	121*
Alloy C	Spring	250*	121*
EPDM	Seal Rings	225	107
CPVC	Pipe and Corp Stop	180	82
Nitrile (Buna-N)	Gasket and Corp Stop	220	104
PEEK	Diaphragm	550	288
Alloy 20	Balls and Seats	250*	121*
Ceramic	Balls	250*	121*

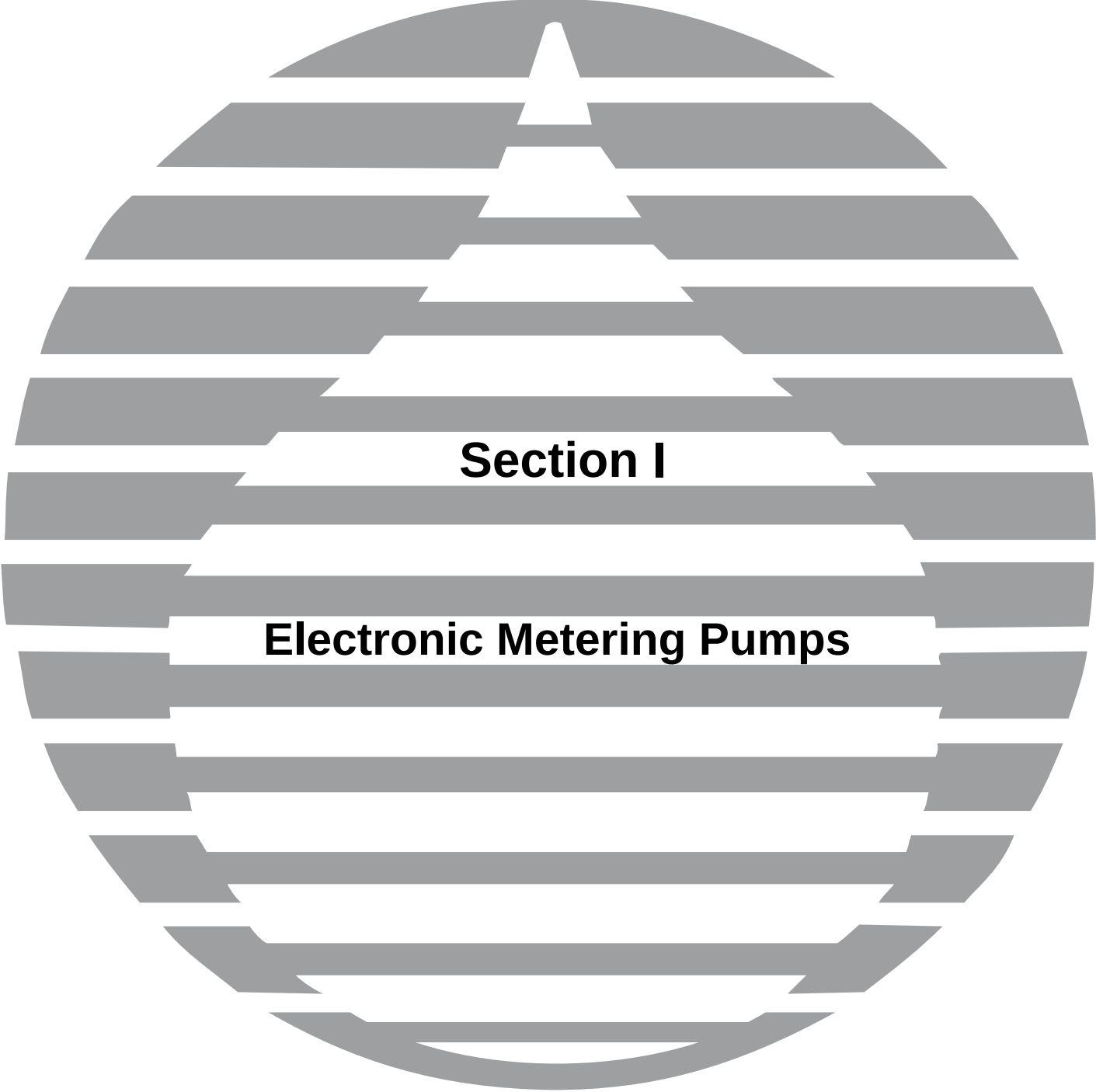
Prices subject to change without notice

RATINGS:**A** - Excellent**B** - Use with caution**C** - Do not use**_ (Underscore)** - Insufficient Data**Temperature** - Good up to listed temperature

Material Code	2	3	5	7	8	9	0	Note Reference
Head	PVDF	PVDF	PP	316ss	PVC	Acrylic	Acrylic	
Fittings	PVDF	PVDF	PP	316ss	PVC	PVDF	PVC	
Balls	Ceramic	Ceramic	Ceramic	316ss	Ceramic	PTFE	Ceramic	
Seats	Polyprel®	PTFE	PTFE	316ss	Polyprel®	Polyprel®	PTFE	
O-Rings	Polyprel®	PTFE	PTFE	PTFE	Polyprel®	Polyprel®	Polyprel®	
Chemical	Liquid End Chemical Resistance Rating							#
Acetic Acid 10%	C	A 220°F	A 250°F	A 250°F	C	C	C	
Acetic Acid 80%	C	A 150°F	C	C	C	C	C	
Acetic Acid Glacial	C	A 125°F	A 68°F	A 250°F	C	C	C	
Acetic Anhydride	C	C	C	A 250°F	C	C	C	
Alum (general - see specific chemical)				C		A		
Aluminum Chloride	A 230°F	A 212°F	A 212°F	A 212°F	A	A 212°F	A 212°F	
Aluminum Hydroxide				A 212°F		A 212°F		
Aluminum Sulfate		A 212°F	A 212°F	A 212°F				
Amines				A				
Amines (filming)			C	A				
Ammonia Solutions	C	C	A 250°F	A 250°F				
Ammonia, Anhydrous	C	C		A 250°F		C	C	
Ammonium Sulfate	C	A 230°F	A 250°F	A 250°F	C	C	C	
Bromine	B 125°F	A 125°F	C	C	C	C	C	
Calcium Carbonate	A 230°F	A 230°F	A 250°F	A 250°F	A	A 230°F	A 250°F	
Calcium Chloride	A 230°F	A 230°F	A 250°F	A 250°F	C	A	A 230°F	A 250°F
Calcium Hydroxide	A 230°F	A 212°F	A 212°F	A 212°F	A	A 212°F	A 212°F	
Calcium Hypochlorite	A 200°F	A 200°F	A 212°F	C	A	A 200°F	A 212°F	
Carbolic Acid (See Phenol)			A 250°F	A 250°F				
Carbonic Acid	A 230°F	A 230°F	A 250°F	A 250°F	A	A 230°F	A 250°F	
Chlorine Dioxide		B						
Chromic Acid 10%	A 175°F	A 175°F	A 250°F		A	C	C	
Chromic Acid 50% below 60°F	A 125°F	A 125°F	C	A 250°F	A	C	C	
Chromic Acid 50% to 140°F	A 125°F	A 125°F	C	C	A	C	C	
Citric Acid	A 230°F	A 212°F	A 212°F	A 212°F	A	A 212°F	A 212°F	
Copper Sulfate				A 212°F		A 212°F		
Copper Sulfate (5% Solution)	A 230°F	A 212°F		A 212°F		A 212°F		
Detergents			A 250°F		B		B 250°F	
Ethyl Acetate	C	C	C	A 250°F	C	C	C	
Ethyl Chloride	A 230°F	A 230°F	C	A 250°F	C	C	C	
Ethylene Glycol	A 230°F	A 230°F	A 250°F	A 250°F	A	A 230°F	A 250°F	
Ferric Chloride				C		A 230°F		8
Ferric Nitrate				A 250°F		A 230°F		
Ferric Sulfate	A 230°F	A 230°F	A 250°F	A 250°F	A	A 230°F	A 250°F	1
Ferrous Chloride				C		A 230°F		
Ferrous Sulfate	A 230°F	A 230°F	A 250°F	C	A	A 230°F	A 250°F	
Fluosilicic Acid	C	C	C	C	C	A 230°F	C	16
Glycerine	A 230°F	A 230°F	A 250°F	A 250°F	A	A 230°F	A 250°F	
Hydrobromic Acid 50%				C		A 230°F		3
Hydrochloric Acid	B 230°F	B 230°F	B 250°F	C	B	A 230°F	B 250°F	6
Hydrochloric Acid- Anhydrous		B 230°F	C	C				3
Hydrofluoric Acid 30%	C	C	C	C	C	C	C	16
Hydrofluoric Acid 75%	C	C	C	C	C	C	C	16
Hydrofluoric Acid 100%	C	C	C	C	C	C	C	16
Hydrofluosilicic Acid	C	C	C	C	C	A 212°F	C	16
Hydrogen Peroxide - Consult LMI Distributor	C	A 250°F	A 250°F	C	A 250°F	C		19
Hydrogen Sulfide, Aqueous	A 230°F	A 230°F	A 250°F	A 250°F	A	A 230°F	A 250°F	
Iodine Solutions			C	C	C	A 150°F	C	
Isopropyl Alcohol	A 140°F	A 140°F	A 250°F	C	A	C	C	
Lactic Acid (over 60% to 100°F)	A 125°F	A 125°F	C	C	C	A 125°F	C	
Lactic Acid (to 60% to 100°F)	A 125°F	A 125°F	C	C	C	A 125°F	C	
Lime Slurries				A 212°F	C			13
Magnesium Chloride	A 230°F	A 230°F	A 250°F	C	A	A 230°F	A 250°F	
Magnesium Hydroxide	A 230°F	A 230°F	A 250°F	A 250°F	A	A 230°F	A 250°F	17
Magnesium Nitrate	A 230°F	A 230°F	A 250°F	A 250°F	A	A 230°F	A 250°F	
Magnesium Sulfate				A 250°F				
Maleic Acid				A 250°F				
Malic Acid			C	A 250°F				
Methanol (Methyl Alcohol 100%)	A 230°F	A 230°F	A 250°F	A 250°F	A	C	C	
Mineral Oil	A 230°F	A 230°F	A 250°F	A 250°F	C	A 230°F	C	
Nitric Acid 10%	A 175°F	A 175°F	C	A 250°F	A	C	C	
Nitric Acid 70% to 100°F	B 125°F	A 125°F	C	C	B	C	C	
Nitric Acid Concentrated	B	A 70°F	C	A 70°F	C	C	C	
Peracetic Acid (PAA)		A	A					12
Phosphoric Acid	A 220°F	A 220°F	A 250°F	A 250°F	C	A 220°F	A 250°F	7

RATINGS:**A** - Excellent**B** - Use with caution**C** - Do not use**_ (Underscore)** - Insufficient Data**Temperature** - Good up to listed temperature

Material Code	2	3	5	7	8	9	0	Note Reference
Head	PVDF	PVDF	PP	316ss	PVC	Acrylic	Acrylic	
Fittings	PVDF	PVDF	PP	316ss	PVC	PVDF	PVC	
Balls	Ceramic	Ceramic	Ceramic	316ss	Ceramic	PTFE	Ceramic	
Seats	Polyprel®	PTFE	PTFE	316ss	Polyprel®	Polyprel®	PTFE	
O-Rings	Polyprel®	PTFE	PTFE	PTFE	Polyprel®	Polyprel®	Polyprel®	
Chemical	Liquid End Chemical Resistance Rating							#
Phthalic Acid	—	—	—	A 250°F	C	B 200°F	C	
Potassium Bicarbonate	—	A 200°F	A 250°F	A 250°F	—	—	—	
Potassium Bromide	C	C	C	A 250°F	C	A 230°F	C	
Potassium Carbonate	—	C	C	A 250°F	—	—	—	
Potassium Chlorate	B 200°F	B 200°F	B 250°F	A 250°F	B	A 200°F	B 250°F	
Potassium Chloride	—	—	—	A 250°F	—	A 230°F	—	
Potassium Fluoride	—	—	—	A 250°F	C	—	—	
Potassium Hydroxide	A	A 250°F	A 250°F	A 250°F	A	A 250°F	A 250°F	
Potassium Nitrate	B 230°F	B 230°F	B 250°F	A 250°F	B	A 230°F	B 250°F	
Potassium Permanganate	A 230°F	A 230°F	C	A 250°F	A	A 230°F	A 250°F	1
Potassium Sulfate	A 230°F	A 230°F	A 250°F	A 250°F	A	A 230°F	A 250°F	
Potassium Sulfide	—	A 230°F	A 250°F	A 250°F	—	—	—	
Soda Ash (See Sodium Carbonate)	—	—	—	—	—	A 230°F	—	8
Sodium Acetate	C	A 230°F	A 250°F	A 250°F	C	C	C	
Sodium Aluminate	—	—	—	A 212°F	C	—	—	1
Sodium Aluminum Sulfate (Soda Alum)	—	—	—	A	C	—	—	
Sodium Bicarbonate	A 230°F	A 230°F	A 250°F	A 250°F	A	A 230°F	A 250°F	
Sodium Bisulfate (to 100°F)	A 230°F	A 230°F	A 250°F	C	A	A 230°F	A 250°F	
Sodium Bisulfite (to 100°F)	A 230°F	A 230°F	A 250°F	A 250°F	A	A 230°F	A 250°F	
Sodium Borate (Borax)	A 230°F	A 230°F	A 250°F	A 250°F	A	A 230°F	A 250°F	
Sodium Carbonate (Soda Ash)	A 230°F	A 230°F	A 250°F	A 250°F	A	A 230°F	A 250°F	
Sodium Chlorate	—	A 230°F	A 250°F	A 250°F	—	—	—	
Sodium Chloride	—	—	A 250°F	A 250°F	C	—	A 250°F	
Sodium Cyanide	A 230°F	A 230°F	A 250°F	A 250°F	A	A 230°F	A 250°F	
Sodium Fluoride	C	C	C	C	C	A 230°F	C	16
Sodium Hydroxide 20% (75° to 210°F)	A	A 250°F	—	A 250°F	A	A 250°F	A 250°F	
Sodium Hydroxide 20% (to 75°F)	A	A 250°F	A 250°F	A 250°F	A	A 250°F	A 250°F	
Sodium Hydroxide 50% (75°F)	A	A 250°F	C	A 250°F	A	A 250°F	A 250°F	1
Sodium Hydroxide 50% (75° to 175°F)	A	A 250°F	—	A 250°F	A	A 250°F	A 250°F	1
Sodium Hypochlorite	A 200°F	A 200°F	C	C	A	A 200°F	A 250°F	10
Sodium Nitrate	C	A 230°F	A 250°F	A 250°F	C	C	C	
Sodium Permanganate	—	—	C	A	—	—	—	
Sodium Peroxide	—	—	—	A 250°F	C	—	—	
Sodium Polyphosphate	—	—	—	A 212°F	—	—	—	
Sodium Silicate	A	A 250°F	A 250°F	A 250°F	C	A 250°F	C	9
Sodium Sulfate	A	A 250°F	A 250°F	A 250°F	A	A 250°F	A 250°F	
Sodium Sulfide	A	A 250°F	A 250°F	A 250°F	C	—	—	
Sodium Sulfite	—	—	—	A 250°F	—	—	—	
Sulfuric Acid (40% to 95%)	A 200°F	A 200°F	C	C	B or C	C	C	2
Sulfuric Acid (95% to 100%)	A 125°F	A 125°F	C	C	B or C	C	C	2
Sulfuric Acid (up to 40%)	A 230°F	A 230°F	A 250°F	C	B or C	C	C	2
Tannic Acid	B 230°F	A 230°F	A 250°F	A 250°F	B	—	—	
Vinegar	A 230°F	A 230°F	A 250°F	A 250°F	A	A 230°F	A 250°F	
Water, Deionized	—	B 230°F	B 250°F	A 250°F	—	—	—	20
Water, Distilled	—	—	—	A	—	—	—	
Water, Fresh	A 230°F	A 230°F	—	—	—	A 230°F	—	
Water, Salt	B 230°F	B 230°F	B 250°F	A 250°F	B	A 230°F	B 250°F	
Xylene	C	A 200°F	C	A 250°F	C	C	C	
Zinc Chloride	C	C	C	C	C	A 230°F	C	
Zinc Sulfate	C	C	C	A 250°F	C	A 230°F	C	



Section I

Electronic Metering Pumps

Each LMI Metering Pump series is designed to meet user needs for specific application and installation requirements. Within each series there are a number of options for controls, liquid end designs and materials, power, and various other accessories and features.

The following price pages are presented in two groups so each can be described by the features offered:

Series PD and EXCEL™ AD - Share LMI's latest generation of FastPrime and AutoPrime liquid ends.

Series B, C, and E - Share LMI LiquiPro and Legacy generation liquid ends.

Each section has a page in the beginning that describes the features and options available.

Note: All standard plastic liquid ends are shipped with PE tubing. PE tubing is not recommended for all applications, therefore, please refer to the LMI Chemical Resistance chart for material compatibility. When PE tubing is not suitable for the application, please contact your local master distributor for alternative tubing materials.

Application Notes

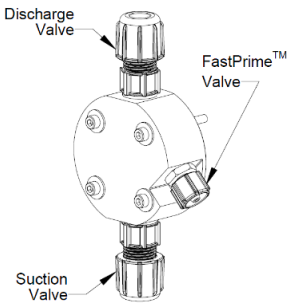
- **Off-gassing Fluids (such as Sodium Hypochlorite)** - Each pump series that offers special designs for these fluids has a separate selection table at the end of the pricing section (reference AUTOPRIME™ Liquid Ends). Pumps designed to handle these fluids are specially designed to automatically bleed a portion of the process chemical in order to eliminate gas binding of the liquid end. The pump capacity ratings take into account the continuous bleed. For applications of off-gassing liquids such as sodium hypochlorite or hydrogen peroxide, "AI" or "HI" liquid ends with AUTOPRIME™ heads or valves are recommended. An "HI" liquid end adds a 4FV to the "AI" liquid end. AUTOPRIME™ is available on PVC and Acrylic heads. A 4FV on the "HI" head enables safe pressure release of process fluid.
- **Explosion-Proof Applications** - LMI's Series E pumps are designed to operate in hazardous areas requiring explosion proof equipment.
- **High Viscosity Fluids, Polymers** - Use EXCEL™ AD Series High Viscosity Liquid End Assemblies 624xx, 626xx, 634xx, 636xx, 644xx or 646xx with corresponding size drive assembly. For B, C, E, and J pump series, use Liquid End Assemblies 20HV, 25HV, 75HV, 76HV, 85HV, or 86HV with corresponding size drive assembly. Pump output may be reduced in some applications. Also, please note that no foot valve is included with HV liquid ends.
- **Stainless Steel Liquid Ends** - Liquid End Assemblies with a "7" in the second or third position. Please note no foot valve or injection valves are included with these Stainless Steel liquid ends. 316ss liquid ends are only available in NPT connections and without 4 function valves. Separate back pressure and safety valves are available in the accessory section.
- **Accessories** - Contact your LMI distributor to discuss the variety of LMI accessories designed to make the installation and operation of your LMI pump easier and more efficient.
- **Hastelloy® C Head Screws** - are available for pumps that will be used with strong acids or other applications where Hastelloy® C will provide better results than the standard 316 S.S. head screws. Please refer to the LMI Chemical Resistance chart and to your chemical supplier for suggested materials. See head screw kits: #37144 and #38735.
- **UV Resistant Tubing** - Black UV resistant tubing kits are available as item numbers #54783, #54784, and #54793. Each UV Tubing Kit will contain (1) six foot 1/4 inch diameter bleed line and (1) sixteen foot suction/discharge line in either a 1/4 inch, 3/8 inch or 1/2 inch diameter (respectively)

SERIES PD METERING PUMPS



FastPrime™ Liquid Ends*

Output	PSI	GPH	BAR	LPH
PDx1	450	0.10	30.6	0.38
	300	0.20	20.4	0.76
	150	0.25	10.2	0.95
PDx4	250	0.35	17.0	1.32
	150	0.52	10.2	1.97
	50	0.68	3.4	2.57
PDx5	110	1.00	7.5	3.79
	30	1.10	2.0	4.20
PDx6	50	2.00	3.4	7.57



For support:



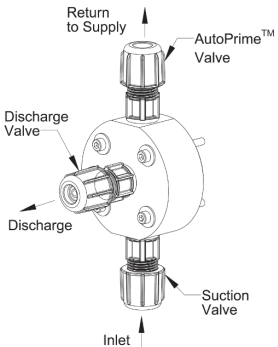
FastPrime™ Has an integral manual priming valve to facilitate quick pump start-up. Standard on PD0 and PD7 models

Control Codes

Key Features	PD0	PD7
Stroke frequency manually adjustable	✓	✓
Pulse signal input controls frequency		✓
Remote Start/Stop		✓
Low level float switch input		✓
Enhanced functionality		
• Calibration assist		
• System & user totalizer		✓
• StayPrime™ Degassing Technology		

AutoPrime™ Liquid Ends

Output	PSI	GPH	BAR	LPH
PDx4	250	0.20	17.3	0.76
	150	0.30	10.3	1.14
PDx5	110	0.75	7.6	2.8
	50	0.85	3.4	3.22
PDx6	50	1.75	3.4	6.6
	30	1.85	2.0	7.0



AutoPrime™ Allows for the constant removal of vapors and gases present in applications like sodium hypochlorite and hydrogen peroxide.



MFV Multifunction Valve

- This diaphragm type, anti-syphon/pressure relief valve is installed on the pump head.
- Can be oriented as required (360°) at precisely the desired position.
- Easier to use thanks to the more user-friendly design of the priming knobs and back pressure valve

What's in the Box

PD Series units include:						PD7 units include:
Tube Connection Hardware	Quick Start Guide	Suction/Discharge & Bleed Tubing	Injection Check Valve	Foot Valve	Ceramic Weight	5-pin Control Cable

Note: Depending on the configuration of the LE, some of the items may not be included in the box.

SERIES PD

METERING PUMP SELECTION AND PRICING

14

OUTPUT CODE 1

160 SPM Max.

Size Code 0

0.25 GPH (0.95 LPH); 450 psi (30.6 bar)

PDx1

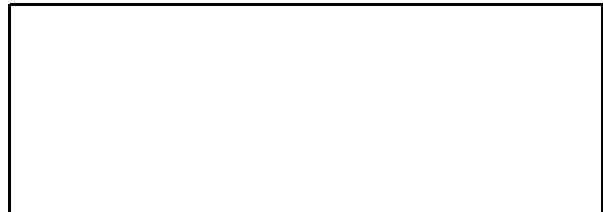
Drive End					Price					
Control										
PD01 Manual Control					\$ 369					
PD71 Enhanced control with Pulse Input, Remote Stop/Start, and Tank Level Input					\$ 626					
	Power Code	Voltage	Frequency	Plug						
	1	Universal	50-60 HZ	110 - 120V US Plug, UL	\$ -					
	2	Universal	50-60 HZ	220 - 240V US Plug, UL	\$ -					
	3	Universal	50-60 HZ	220 - 240V DIN Plug, CE	\$ -					
	5	Universal	50-60 HZ	220 - 240V UK Plug, CE	\$ -					
	6	Universal	50-60 HZ	220 - 240V Aust/NZ Plug	\$ -					
		Liquid End	Head	Fittings	Balls	Seat / O-Ring	Connections	RPM Kit		
		FastPrime™ Machined								
		907NP	316SS	316SS	316SS	316SS / PTFE	1/4" NPT	RPM-907	\$ 640	
	PD01	1	-907NP							

Pump Price

PD01 PD71

1009 1266

RPM Kit	Price	Contents
RPM-907	\$ 305	*Liquifram *Shaft Seal *Suction Check Valve *Discharge Check Valve



SERIES PD

METERING PUMP SELECTION AND PRICING

15

OUTPUT CODE 4

160 SPM Max.

Size Code 2

0.68 GPH (2.57 LPH); 250 psi (17.0 bar)

Autoprime™ 0.20 GPH (0.76 LPH); 250 psi (17.0 bar)

PDx4										Price	
Drive End											
Control											
PD04 Manual Control										\$	369
PD74 Enhanced control with Pulse Input, Remote Stop/Start, and Tank Level Input										\$	626
Power Code	Voltage	Frequency	Plug								
1	Universal	50-60 HZ	110 - 120V US Plug, UL								\$ -
2	Universal	50-60 HZ	220 - 240V US Plug, UL								\$ -
3	Universal	50-60 HZ	220 - 240V DIN Plug, CE								\$ -
5	Universal	50-60 HZ	220 - 240V UK Plug, CE								\$ -
6	Universal	50-60 HZ	220 - 240V Aust/NZ Plug								\$ -
Liquid End	Head	Fittings	Balls	Function Valve	Connections	Seat / O-Ring	RPM Kit	Pump Price			
FastPrime™ Molded								PD04	PD74		
822NI	PVDF	PVDF	Ceramic	-	PE 1/4" O.D.	Polyprel®	RPM-822	\$	336	705	962
822SI	PVDF	PVDF	Ceramic	FV	PE 1/4" O.D.	Polyprel®	RPM-822	\$	428	797	1054
823NI	PVDF	PVDF	Ceramic	-	PE 1/4" O.D.	PTFE	RPM-823	\$	386	755	1012
823SI	PVDF	PVDF	Ceramic	FV	PE 1/4" O.D.	PTFE	RPM-823	\$	478	847	1104
828NI	PVC	PVC	Ceramic	-	PE 1/4" O.D.	Polyprel®	RPM-822	\$	283	652	909
828SI	PVC	PVC	Ceramic	FV	PE 1/4" O.D.	Polyprel®	RPM-822	\$	375	744	1001
FastPrime™ Machined											
925NI	PP	PP	Ceramic	-	PE 1/4" O.D.	PTFE	RPM-823	\$	421	790	1047
925SI	PP	PP	Ceramic	FV	PE 1/4" O.D.	PTFE	RPM-823	\$	513	882	1139
927NP	316SS	316SS	316SS		1/4" NPT	316SS / PTFE	RPM-927	\$	656	1025	1282
928NI	PVC	PVC	Ceramic	-	PE 1/4" O.D.	Polyprel®	RPM-822	\$	408	777	1034
928SI	PVC	PVC	Ceramic	FV	PE 1/4" O.D.	Polyprel®	RPM-822	\$	500	869	1126
929NI	Acrylic	PVDF	PTFE	-	PE 1/4" O.D.	Polyprel®	RPM-929	\$	432	801	1058
929SI	Acrylic	PVDF	PTFE	FV	PE 1/4" O.D.	Polyprel®	RPM-929	\$	524	893	1150
920NI	Acrylic	PVC	Ceramic	-	PE 1/4" O.D.	Polyprel®	RPM-822	\$	418	787	1044
920SI	Acrylic	PVC	Ceramic	FV	PE 1/4" O.D.	Polyprel®	RPM-822	\$	510	879	1136
AutoPrime™ De-gas											
A28AI	PVC	PVC	Ceramic	-	PE 1/4" O.D.	PTFE / Polyprel®	RPM-A20A	\$	488	857	1114
A28HI	PVC	PVC	Ceramic	FV	PE 1/4" O.D.	PTFE / Polyprel®	RPM-A20A	\$	610	979	1236
A20AI	Acrylic	PVC	Ceramic	-	PE 1/4" O.D.	PTFE / Polyprel®	RPM-A20A	\$	498	867	1124
A20HI	Acrylic	PVC	Ceramic	FV	PE 1/4" O.D.	PTFE / Polyprel®	RPM-A20A	\$	620	989	1246
PD04	1	- 822NI									

RPM Kit	Price	Contents
FastPrime™		
RPM-822	\$ 165	*O Rings
RPM-823	\$ 188	*Shaft Seal
RPM-927	\$ 318	*Liquifram
RPM-929	\$ 165	*Check Valve Cartridges
		*Injection Valve Cartridge
AutoPrime™ De-gas		
RPM-A20A	\$ 200	*FastPrime or AutoPrime Cartridge



SERIES PD METERING PUMP SELECTION AND PRICING

16

OUTPUT CODE 5

160 SPM Max.

Size Code 3

1.1 GPH (4.2 LPH); 110 psi (7.5 bar)

Autoprime™ 0.75 GPH (2.84 LPH); 110 psi (7.5 bar)

PDx5									
Drive End									Price
Control									
PD05 Manual Control									\$ 369
PD75 Enhanced control with Pulse Input, Remote Stop/Start, and Tank Level Input									\$ 626
Power Code	Voltage	Frequency	Plug						
1	Universal	50-60 HZ	110 - 120V US Plug, UL						
2	Universal	50-60 HZ	220 - 240V US Plug, UL						
3	Universal	50-60 HZ	220 - 240V DIN Plug, CE						
5	Universal	50-60 HZ	220 - 240V UK Plug, CE						
6	Universal	50-60 HZ	220 - 240V Aust/NZ Plug						
Liquid End	Head	Fittings	Balls	Function Valve	Connections	Seat / O-Ring	RPM Kit	Pump Price	
FastPrime™ Molded								PD05	PD75
832NI	PVDF	PVDF	Ceramic	-	PE 3/8" O.D.	Polyprel®	RPM-832	\$ 336	705 962
832SI	PVDF	PVDF	Ceramic	FV	PE 3/8" O.D.	Polyprel®	RPM-832	\$ 428	797 1054
833NI	PVDF	PVDF	Ceramic	-	PE 3/8" O.D.	PTFE	RPM-833	\$ 386	755 1012
833SI	PVDF	PVDF	Ceramic	FV	PE 3/8" O.D.	PTFE	RPM-833	\$ 478	847 1104
838NI	PVC	PVC	Ceramic	-	PE 3/8" O.D.	Polyprel®	RPM-832	\$ 283	652 909
838SI	PVC	PVC	Ceramic	FV	PE 3/8" O.D.	Polyprel®	RPM-832	\$ 375	744 1001
FastPrime™ Machined									
935NI	PP	PP	Ceramic	-	PE 3/8" O.D.	PTFE	RPM-833	\$ 421	790 1047
935SI	PP	PP	Ceramic	FV	PE 3/8" O.D.	PTFE	RPM-833	\$ 513	882 1139
937NP	316SS	316SS	316SS		1/4" NPT	316SS / PTFE	RPM-937	\$ 656	1025 1282
938NI	PVC	PVC	Ceramic	-	PE 3/8" O.D.	Polyprel®	RPM-832	\$ 408	777 1034
938SI	PVC	PVC	Ceramic	FV	PE 3/8" O.D.	Polyprel®	RPM-832	\$ 500	869 1126
939NI	Acrylic	PVDF	PTFE	-	PE 3/8" O.D.	Polyprel®	RPM-939	\$ 432	801 1058
939SI	Acrylic	PVDF	PTFE	FV	PE 3/8" O.D.	Polyprel®	RPM-939	\$ 524	893 1150
930NI	Acrylic	PVC	Ceramic	-	PE 3/8" O.D.	Polyprel®	RPM-832	\$ 418	787 1044
930SI	Acrylic	PVC	Ceramic	FV	PE 3/8" O.D.	Polyprel®	RPM-832	\$ 510	879 1136
AutoPrime™ De-gas									
A38AI	PVC	PVC	Ceramic	-	PE 3/8" O.D.	PTFE / Polyprel®	RPM-A30A	\$ 488	857 1114
A38HI	PVC	PVC	Ceramic	FV	PE 3/8" O.D.	PTFE / Polyprel®	RPM-A30A	\$ 610	979 1236
A30AI	Acrylic	PVC	Ceramic	-	PE 3/8" O.D.	PTFE / Polyprel®	RPM-A30A	\$ 498	867 1124
A30HI	Acrylic	PVC	Ceramic	FV	PE 3/8" O.D.	PTFE / Polyprel®	RPM-A30A	\$ 620	989 1246
PD05	1	- 832NI							

RPM Kit	Price	Contents
FastPrime™		
RPM-832	\$ 172	*O Rings
RPM-833	\$ 200	*Shaft Seal
RPM-937	\$ 329	*Liquifram
RPM-939	\$ 172	*Check Valve Cartridges
		*Injection Valve Cartridge
AutoPrime™		
RPM-A30A	\$ 213	*FastPrime or AutoPrime Cartridge



SERIES PD METERING PUMP SELECTION AND PRICING

17

OUTPUT CODE 6

160 SPM Max.

Size Code 4

2.0 GPH (7.57 LPH); 50 psi (3.4 bar)

Autoprime™ 1.75 GPH (6.62 LPH); 50 psi (3.4 bar)

PDx6									
Drive End									
Control									
PD06 Manual Control									Price
									\$ 369
PD76 Enhanced control with Pulse Input, Remote Stop/Start, and Tank Level Input									\$ 626
Power Code	Voltage	Frequency	Plug						
1	Universal	50-60 HZ	110 - 120V US Plug, UL						
2	Universal	50-60 HZ	220 - 240V US Plug, UL						
3	Universal	50-60 HZ	220 - 240V DIN Plug, CE						
5	Universal	50-60 HZ	220 - 240V UK Plug, CE						
6	Universal	50-60 HZ	220 - 240V Aust/NZ Plug						
Liquid End	Head	Fittings	Balls	Function Valve	Connections	Seat / O-Ring	RPM Kit	Pump Price	
FastPrime™ Molded								PD06	PD76
842NI	PVDF	PVDF	Ceramic	-	PE 3/8" O.D.	Polyprel®	RPM-842	\$ 336	705 962
842SI	PVDF	PVDF	Ceramic	FV	PE 3/8" O.D.	Polyprel®	RPM-842	\$ 428	797 1054
843NI	PVDF	PVDF	Ceramic	-	PE 3/8" O.D.	PTFE	RPM-843	\$ 386	755 1012
843SI	PVDF	PVDF	Ceramic	FV	PE 3/8" O.D.	PTFE	RPM-843	\$ 478	847 1104
848NI	PVC	PVC	Ceramic	-	PE 3/8" O.D.	Polyprel®	RPM-842	\$ 283	652 909
848SI	PVC	PVC	Ceramic	FV	PE 3/8" O.D.	Polyprel®	RPM-842	\$ 375	744 1001
FastPrime™ Machined									
945NI	PP	PP	Ceramic	-	PE 3/8" O.D.	PTFE	RPM-843	\$ 421	790 1047
945SI	PP	PP	Ceramic	FV	PE 3/8" O.D.	PTFE	RPM-843	\$ 513	882 1139
947NP	316SS	316SS	316SS		1/4" NPT	316SS / PTFE	RPM-947	\$ 656	1025 1282
948NI	PVC	PVC	Ceramic	-	PE 3/8" O.D.	Polyprel®	RPM-842	\$ 408	777 1034
948SI	PVC	PVC	Ceramic	FV	PE 3/8" O.D.	Polyprel®	RPM-842	\$ 500	869 1126
949NI	Acrylic	PVDF	PTFE	-	PE 3/8" O.D.	Polyprel®	RPM-949	\$ 432	801 1058
949SI	Acrylic	PVDF	PTFE	FV	PE 3/8" O.D.	Polyprel®	RPM-949	\$ 524	893 1150
940NI	Acrylic	PVC	Ceramic	-	PE 3/8" O.D.	Polyprel®	RPM-842	\$ 418	787 1044
940SI	Acrylic	PVC	Ceramic	FV	PE 3/8" O.D.	Polyprel®	RPM-842	\$ 510	879 1136
AutoPrime™ De-gas									
A48AI	PVC	PVC	Ceramic	-	PE 3/8" O.D.	PTFE / Polyprel®	RPM-A40A	\$ 488	857 1114
A48HI	PVC	PVC	Ceramic	FV	PE 3/8" O.D.	PTFE / Polyprel®	RPM-A40A	\$ 610	979 1236
A40AI	Acrylic	PVC	Ceramic	-	PE 3/8" O.D.	PTFE / Polyprel®	RPM-A40A	\$ 498	867 1124
A40HI	Acrylic	PVC	Ceramic	FV	PE 3/8" O.D.	PTFE / Polyprel®	RPM-A40A	\$ 620	989 1246
PD06	1	- 842NI							

RPM Kit	Price	Contents
FastPrime™		
RPM-842	\$ 177	*O Rings
RPM-843	\$ 213	*Shaft Seal
RPM-947	\$ 341	*Liquifram
RPM-949	\$ 177	*Check Valve Cartridges
		*Injection Valve Cartridge
AutoPrime™ De-gas		
RPM-A40A	\$ 223	*FastPrime or AutoPrime Cartridge



EXCEL™ AD METERING PUMPS



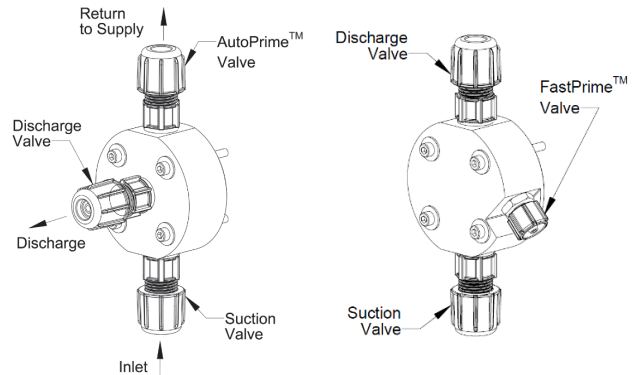
For support:



Output Code	Max Output GPH	Max Output LPH	Max Pressure PSI	Max Pressure Bar
Excel™ AD with FastPrime™				
1	0.21	0.8	250	17.2
4	0.50	1.9	250	17.2
5	1.0	3.8	110	7.6
6	2.0	7.6	50	3.4
Excel™ AD with AutoPrime™				
1	0.15	0.6	250	17.2
4	0.33	1.2	250	17.2
5	0.80	3.0	110	7.6
6	1.80	6.8	50	3.4

Control Codes

Key Features	AD2	AD8	AD9
Stroke length manually adjustable	✓	✓	✓
Stroke frequency manually adjustable	✓	✓	✓
Low level indication	✓	✓	✓
Display of calculated flow rate	✓	✓	✓
Pulse or 4/20 mA signal input controls frequency		✓	✓
Pulse multiply/divide functions		✓	✓
24 V output for remote device		✓	✓
Dual low-level float switch input		✓	✓
Remote on/off signal input			✓
Outputs include: 4-20mA, pulse, Alarm			✓
Remote internal/external mode input			✓
Remote alarm transfer			✓



AutoPrime™

Allows for the constant removal of vapors and gases present in applications like sodium hypochlorite and hydrogen peroxide.

FastPrime™

Has an integral manual priming valve to facilitate quick pump start-up.



MFV Multifunction Valve

- This diaphragm type, anti-syphon/pressure relief valve is installed on the pump head.
- Can be oriented as required (360°) at precisely the desired position.
- Easier to use thanks to the more user-friendly design of the priming knobs and back pressure valve

What's in the Box

Excel AD units include:						AD9 units include:	
						Certain AD8 units include:	
Tube Connection Hardware	Quick Start Guide	Suction/Discharge Tubing	Injection Check Valve	Foot Valve	Ceramic Weight	5-pin Control Cable	6-pin Control Cable

Note: Depending on the configuration of the LE, some of the items may not be included in the box.

EXCEL AD

METERING PUMP SELECTION AND PRICING

19

OUTPUT CODE 1

120 SPM Max.

Size Code 1

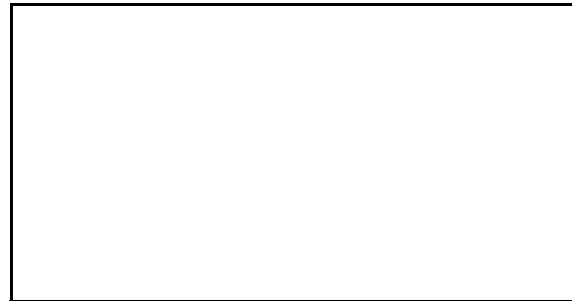
0.002 to 0.21 GPH (0.01 to 0.8 LPH); 250 psi (17.2 bar)

Autoprime™ 0.0015 to 0.15 GPH (0.006 to 0.6 LPH)

ADx1

Drive End									Price
Control									
AD21 Dual Manual Control (dual power supply)									\$ 815
AD81 Pulse/Analog Input w/ Dual Manual Control (universal power supply)									\$ 1,053
AD91 Pulse/Analog Input w/ Dual Manual Control - Advanced Features (universal power supply)									\$ 1,329
Power Code	Voltage	Frequency	Plug						
1	Dual or Universal	50-60 HZ	110 - 120V US Plug						
2	Dual or Universal	50-60 HZ	220 - 240V US Plug						
3	Dual or Universal	50-60 HZ	220 - 240V DIN Plug						
5	Dual or Universal	50-60 HZ	220 - 240V UK Plug						
6	Dual or Universal	50-60 HZ	220 - 240V Aust/NZ Plug						
									Pump Price
Liquid End	Head	Fittings	Balls	Function Valve	Connections	Seat / O-Ring	RPM Kit		AD21 AD81 AD91
FastPrime™ Machined									
910NI	Acrylic	PVC	Ceramic	-	PE ¼" O.D.	PTFE/Polyprel®	RPM-812	\$ 402	1217 1455 1731
910SI	Acrylic	PVC	Ceramic	FV	PE ¼" O.D.	PTFE/Polyprel®	RPM-812	\$ 494	1309 1547 1823
915NI	PP	PP	Ceramic	-	PE ¼" O.D.	PTFE	RPM-813	\$ 405	1220 1458 1734
915SI	PP	PP	Ceramic	FV	PE ¼" O.D.	PTFE	RPM-813	\$ 497	1312 1550 1826
918NI	PVC	PVC	Ceramic	-	PE ¼" O.D.	PTFE/Polyprel®	RPM-812	\$ 392	1207 1445 1721
918SI	PVC	PVC	Ceramic	FV	PE ¼" O.D.	PTFE/Polyprel®	RPM-812	\$ 484	1299 1537 1813
919NI	Acrylic	PVDF	PTFE	-	PE ¼" O.D.	Polyprel®	RPM-919	\$ 416	1231 1469 1745
919SI	Acrylic	PVDF	PTFE	FV	PE ¼" O.D.	Polyprel®	RPM-919	\$ 508	1323 1561 1837
917NP	316SS	316SS	316SS	-	¼" NPT	316SS/PTFE	RPM-917	\$ 640	1455 1693 1969
FastPrime™ Molded									
812NI	PVDF	PVDF	Ceramic	-	PE ¼" O.D.	PTFE/Polyprel®	RPM-812	\$ 320	1135 1373 1649
812SI	PVDF	PVDF	Ceramic	FV	PE ¼" O.D.	PTFE/Polyprel®	RPM-812	\$ 412	1227 1465 1741
813NI	PVDF	PVDF	Ceramic	-	PE ¼" O.D.	PTFE	RPM-813	\$ 370	1185 1423 1699
813SI	PVDF	PVDF	Ceramic	FV	PE ¼" O.D.	PTFE	RPM-813	\$ 462	1277 1515 1791
818NI	PVC	PVC	Ceramic	-	PE ¼" O.D.	PTFE/Polyprel®	RPM-812	\$ 267	1082 1320 1596
818SI	PVC	PVC	Ceramic	FV	PE ¼" O.D.	PTFE/Polyprel®	RPM-812	\$ 359	1174 1412 1688
AutoPrime™ De-gas									
A10AI	Acrylic	PVC	Ceramic	-	PE ¼" O.D.	PTFE/Polyprel®	RPM-A10A	\$ 482	1297 1535 1811
A10HI	Acrylic	PVC	Ceramic	FV	PE ¼" O.D.	PTFE/Polyprel®	RPM-A10A	\$ 604	1419 1657 1933
A18AI	PVC	PVC	Ceramic	-	PE ¼" O.D.	PTFE/Polyprel®	RPM-A10A	\$ 472	1287 1525 1801
A18HI	PVC	PVC	Ceramic	FV	PE ¼" O.D.	PTFE/Polyprel®	RPM-A10A	\$ 594	1409 1647 1923
AD21	1	- 910NI							

RPM Kit	Price	Contents
FastPrime™		
RPM-812	\$ 160	*O Rings *Shaft Seal *Liquifram *Check Valve Cartridges *Injection Valve Cartridge *FastPrime or AutoPrime Cartridge
RPM-813	\$ 177	
RPM-919	\$ 160	
RPM-917	\$ 305	
RPM-812	\$ 160	
RPM-813	\$ 177	
AutoPrime™ De-gas		
RPM-A10A	\$ 188	



EXCEL AD

METERING PUMP SELECTION AND PRICING

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OUTPUT CODE 4

120 SPM Max.

Size Code 2

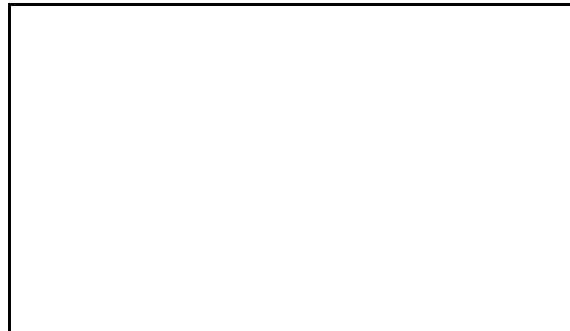
0.005 to 0.5 GPH (0.02 to 1.9 LPH); 250 psi (17.2 bar)

Autoprime™ 0.0033 to 0.33 GPH (0.012 to 1.2 LPH)

ADx4

Drive End										Price	
Control											
AD24 Dual Manual Control (dual power supply)										\$ 815	
AD84 Pulse/Analog Input w/ Dual Manual Control (universal power supply)										\$ 1,053	
AD94 Pulse/Analog Input w/ Dual Manual Control - Advanced Features (universal power supply)										\$ 1,329	
		Power Code		Voltage		Frequency		Plug			
		1		Dual or Universal		50-60 HZ		110 - 120V US Plug		\$ -	
		2		Dual or Universal		50-60 HZ		220 - 240V US Plug		\$ -	
		3		Dual or Universal		50-60 HZ		220 - 240V DIN Plug		\$ -	
		5		Dual or Universal		50-60 HZ		220 - 240V UK Plug		\$ -	
		6		Dual or Universal		50-60 HZ		220 - 240V Aust/NZ Plug		\$ -	
		Liquid End	Head	Fittings	Balls	Valve	Connections Suction/Discharge	Seat / O-Ring	RPM Kit		
		FastPrime™ Machined									
		920NI	Acrylic	PVC	Ceramic	-	PE ¼" O.D.	PTFE/Polyprel®	RPM-822	\$ 418	
		920SI	Acrylic	PVC	Ceramic	FV	PE ¼" O.D.	PTFE/Polyprel®	RPM-822	\$ 510	
		925NI	PP	PP	Ceramic	-	PE ¼" O.D.	PTFE	RPM-823	\$ 421	
		925SI	PP	PP	Ceramic	FV	PE ¼" O.D.	PTFE	RPM-823	\$ 513	
		928NI	PVC	PVC	Ceramic	-	PE ¼" O.D.	PTFE/Polyprel®	RPM-822	\$ 408	
		928SI	PVC	PVC	Ceramic	FV	PE ¼" O.D.	PTFE/Polyprel®	RPM-822	\$ 500	
		929NI	Acrylic	PVDF	PTFE	-	PE ¼" O.D.	Polyprel®	RPM-929	\$ 432	
		929SI	Acrylic	PVDF	PTFE	FV	PE ¼" O.D.	Polyprel®	RPM-929	\$ 524	
		927NP	316SS	316SS	316SS	-	¼" NPT	316SS/PTFE	RPM-927	\$ 656	
		FastPrime™ Molded									
		822NI	PVDF	PVDF	Ceramic	-	PE ¼" O.D.	PTFE/Polyprel®	RPM-822	\$ 336	
		822SI	PVDF	PVDF	Ceramic	FV	PE ¼" O.D.	PTFE/Polyprel®	RPM-822	\$ 428	
		823NI	PVDF	PVDF	Ceramic	-	PE ¼" O.D.	PTFE	RPM-823	\$ 386	
		823SI	PVDF	PVDF	Ceramic	FV	PE ¼" O.D.	PTFE	RPM-823	\$ 478	
		828NI	PVC	PVC	Ceramic	-	PE ¼" O.D.	PTFE/Polyprel®	RPM-822	\$ 283	
		828SI	PVC	PVC	Ceramic	FV	PE ¼" O.D.	PTFE/Polyprel®	RPM-822	\$ 375	
		AutoPrime™ De-gas									
		A20AI	Acrylic	PVC	Ceramic	-	PE ¼" O.D.	PTFE/Polyprel®	RPM-A20A	\$ 498	
		A20HI	Acrylic	PVC	Ceramic	FV	PE ¼" O.D.	PTFE/Polyprel®	RPM-A20A	\$ 620	
		A28AI	PVC	PVC	Ceramic	-	PE ¼" O.D.	PTFE/Polyprel®	RPM-A20A	\$ 488	
		A28HI	PVC	PVC	Ceramic	FV	PE ¼" O.D.	PTFE/Polyprel®	RPM-A20A	\$ 610	
		High Viscosity									
		624VI	PP	PP	316SS	-	PE ½" OD / Vinyl 0.938" OD		PTFE	RPM-624	\$ 508
		624PI	PP	PP	316SS	-	PE ½" OD / Vinyl 0.938" OD		PTFE	RPM-624	\$ 541
626VI		Acrylic	PP	316SS	-	PE ½" OD / Vinyl 0.938" OD		PTFE	RPM-626	\$ 505	
AD21		1	- 920NI								

RPM Kit	Price	Contents
FastPrime™		
RPM-822	\$ 165	*O Rings
RPM-823	\$ 188	*Shaft Seal
RPM-929	\$ 165	*Liquifram
RPM-927	\$ 318	*Check Valve Cartridges
AutoPrime™ De-gas		*Injection Valve Cartridge
RPM-A20A	\$ 200	*FastPrime or AutoPrime Cartridge
High Viscosity		
RPM-624	\$ 154	*Clamp Rings *Liquifram
RPM-626	\$ 154	*Seal Ring Seats *Balls, Springs
		*Shaft Seal



EXCEL AD

METERING PUMP SELECTION AND PRICING

21

OUTPUT CODE 5

120 SPM Max.

Size Code 3

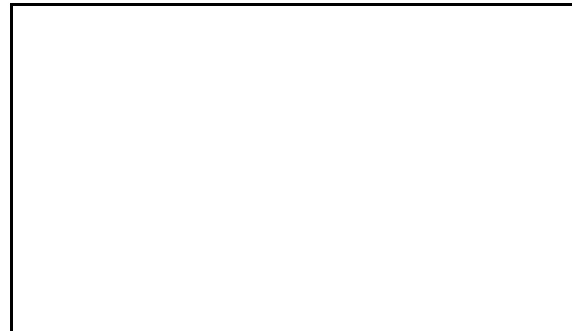
0.01 to 1.0 GPH (0.04 to 3.8 LPH); 110 psi (7.6 bar)

Autoprime™ 0.008 to 0.8 GPH (0.03 to 3.0 LPH)

ADx5

Drive End										Price
Control										
AD25 Dual Manual Control (dual power supply)										\$ 814
AD85 Pulse/Analog Input w/ Dual Manual Control (universal power supply)										\$ 1,052
AD95 Pulse/Analog Input w/ Dual Manual Control - Advanced Features (universal power supply)										\$ 1,328
	Power Code		Voltage		Frequency		Plug			
	1		Dual or Universal		50-60 HZ		110 - 120V US Plug		\$ -	
	2		Dual or Universal		50-60 HZ		220 - 240V US Plug		\$ -	
	3		Dual or Universal		50-60 HZ		220 - 240V DIN Plug		\$ -	
	5		Dual or Universal		50-60 HZ		220 - 240V UK Plug		\$ -	
	6		Dual or Universal		50-60 HZ		220 - 240V Aust/NZ Plug		\$ -	
		Liquid End	Head	Fittings	Balls	Valve	Connections Suction/Discharge	Seat / O-Ring	RPM Kit	
	FastPrime™ Machined									
	930NI	Acrylic	PVC	Ceramic	-	PE ⅜" O.D.	PTFE/Polyprel®	RPM-832	\$ 418	
	930SI	Acrylic	PVC	Ceramic	FV	PE ⅜" O.D.	PTFE/Polyprel®	RPM-832	\$ 510	
	935NI	PP	PP	Ceramic	-	PE ⅜" O.D.	PTFE	RPM-833	\$ 421	
	935SI	PP	PP	Ceramic	FV	PE ⅜" O.D.	PTFE	RPM-833	\$ 513	
	938NI	PVC	PVC	Ceramic	-	PE ⅜" O.D.	PTFE/Polyprel®	RPM-832	\$ 408	
	938SI	PVC	PVC	Ceramic	FV	PE ⅜" O.D.	PTFE/Polyprel®	RPM-832	\$ 500	
	939NI	Acrylic	PVDF	PTFE	-	PE ⅜" O.D.	Polyprel®	RPM-939	\$ 432	
	939SI	Acrylic	PVDF	PTFE	FV	PE ⅜" O.D.	Polyprel®	RPM-939	\$ 524	
	937NP	316SS	316SS	316SS	-	¼" NPT	316SS/PTFE	RPM-937	\$ 656	
	FastPrime™ Molded									
	832NI	PVDF	PVDF	Ceramic	-	PE ⅜" O.D.	PTFE/Polyprel®	RPM-832	\$ 336	
	832SI	PVDF	PVDF	Ceramic	FV	PE ⅜" O.D.	PTFE/Polyprel®	RPM-832	\$ 428	
	833NI	PVDF	PVDF	Ceramic	-	PE ⅜" O.D.	PTFE	RPM-833	\$ 386	
	833SI	PVDF	PVDF	Ceramic	FV	PE ⅜" O.D.	PTFE	RPM-833	\$ 478	
	838NI	PVC	PVC	Ceramic	-	PE ⅜" O.D.	PTFE/Polyprel®	RPM-832	\$ 283	
	838SI	PVC	PVC	Ceramic	FV	PE ⅜" O.D.	PTFE/Polyprel®	RPM-832	\$ 375	
	AutoPrime™ De-gas									
	A30AI	Acrylic	PVC	Ceramic	-	PE ⅜" O.D.	PTFE/Polyprel®	RPM-A30A	\$ 498	
	A30HI	Acrylic	PVC	Ceramic	FV	PE ⅜" O.D.	PTFE/Polyprel®	RPM-A30A	\$ 620	
	A38AI	PVC	PVC	Ceramic	-	PE ⅜" O.D.	PTFE/Polyprel®	RPM-A30A	\$ 488	
	A38HI	PVC	PVC	Ceramic	FV	PE ⅜" O.D.	PTFE/Polyprel®	RPM-A30A	\$ 610	
	High Viscosity									
634VI	PP	PP	316SS	-	PE ½" OD / Vinyl 0.938" OD	PTFE	RPM-634	\$ 508		
634PI	PP	PP	316SS	-	PE ½" OD / Vinyl 0.938" OD	PTFE	RPM-634	\$ 541		
636VI	Acrylic	PP	316SS	-	PE ½" OD / Vinyl 0.938" OD	PTFE	RPM-636	\$ 505		
AD21	1	- 930NI								

RPM Kit	Price	Contents
FastPrime™		
RPM-832	\$ 172	*O Rings
RPM-833	\$ 200	*Shaft Seal
RPM-939	\$ 172	*Liquifram
RPM-937	\$ 329	*Check Valve Cartridges
		*Injection Valve Cartridge
AutoPrime™ De-gas		
RPM-A30A	\$ 213	*FastPrime or AutoPrime Cartridge
High Viscosity		
RPM-634	\$ 165	*Clamp Rings *Liquifram
RPM-636	\$ 165	*Seal Ring Seats *Balls, Springs
		*Shaft Seal



EXCEL AD

METERING PUMP SELECTION AND PRICING

22

OUTPUT CODE 6

120 SPM Max.

Size Code 4

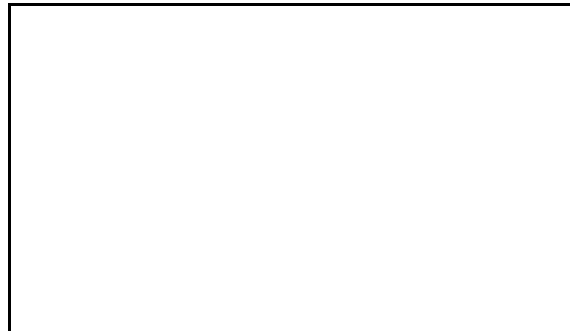
0.02 to 2.0 GPH (0.08 to 7.6 LPH); 50 psi (3.4 bar)

Autoprime™ 0.018 to 1.8 GPH (0.068 to 6.8 LPH)

ADx6

Drive End										Price		
Control												
AD26 Dual Manual Control (dual power supply)										\$ 857		
AD86 Pulse/Analog Input w/ Dual Manual Control (universal power supply)										\$ 1,095		
AD96 Pulse/Analog Input w/ Dual Manual Control - Advanced Features (universal power supply)										\$ 1,371		
		Power Code		Voltage		Frequency		Plug				
		1		Dual or Universal		50-60 HZ		110 - 120V US Plug		\$ -		
		2		Dual or Universal		50-60 HZ		220 - 240V US Plug		\$ -		
		3		Dual or Universal		50-60 HZ		220 - 240V DIN Plug		\$ -		
		5		Dual or Universal		50-60 HZ		220 - 240V UK Plug		\$ -		
		6		Dual or Universal		50-60 HZ		220 - 240V Aust/NZ Plug		\$ -		
			Liquid End	Head	Fittings	Balls	Valve	Connections Suction/Discharge	Seat / O-Ring	RPM Kit		
			FastPrime™ Machined									
			940NI	Acrylic	PVC	Ceramic	-	PE ⅜" O.D.	PTFE/Polyprel®	RPM-842	\$ 418	
			940SI	Acrylic	PVC	Ceramic	FV	PE ⅜" O.D.	PTFE/Polyprel®	RPM-842	\$ 510	
			945NI	PP	PP	Ceramic	-	PE ⅜" O.D.	PTFE	RPM-843	\$ 421	
			945SI	PP	PP	Ceramic	FV	PE ⅜" O.D.	PTFE	RPM-843	\$ 513	
			948NI	PVC	PVC	Ceramic	-	PE ⅜" O.D.	PTFE/Polyprel®	RPM-842	\$ 408	
			948SI	PVC	PVC	Ceramic	FV	PE ⅜" O.D.	PTFE/Polyprel®	RPM-842	\$ 500	
			949NI	Acrylic	PVDF	PTFE	-	PE ⅜" O.D.	Polyprel®	RPM-939	\$ 432	
			949SI	Acrylic	PVDF	PTFE	FV	PE ⅜" O.D.	Polyprel®	RPM-939	\$ 524	
			947NP	316SS	316SS	316SS	-	¼" NPT	316SS/PTFE	RPM-947	\$ 656	
			FastPrime™ Molded									
			842NI	PVDF	PVDF	Ceramic	-	PE ⅜" O.D.	PTFE/Polyprel®	RPM-842	\$ 336	
			842SI	PVDF	PVDF	Ceramic	FV	PE ⅜" O.D.	PTFE/Polyprel®	RPM-842	\$ 428	
			843NI	PVDF	PVDF	Ceramic	-	PE ⅜" O.D.	PTFE	RPM-843	\$ 386	
			843SI	PVDF	PVDF	Ceramic	FV	PE ⅜" O.D.	PTFE	RPM-843	\$ 478	
			848NI	PVC	PVC	Ceramic	-	PE ⅜" O.D.	PTFE/Polyprel®	RPM-842	\$ 283	
			848SI	PVC	PVC	Ceramic	FV	PE ⅜" O.D.	PTFE/Polyprel®	RPM-842	\$ 375	
			AutoPrime™ De-gas									
			A40AI	Acrylic	PVC	Ceramic	-	PE ⅜" O.D.	PTFE/Polyprel®	RPM-A40A	\$ 498	
			A40HI	Acrylic	PVC	Ceramic	FV	PE ⅜" O.D.	PTFE/Polyprel®	RPM-A40A	\$ 620	
			A48AI	PVC	PVC	Ceramic	-	PE ⅜" O.D.	PTFE/Polyprel®	RPM-A40A	\$ 488	
			A48HI	PVC	PVC	Ceramic	FV	PE ⅜" O.D.	PTFE/Polyprel®	RPM-A40A	\$ 610	
			High Viscosity									
			644VI	PP	PP	316SS	-	PE ½" OD / Vinyl 0.938" OD	PTFE	RPM-644	\$ 508	
			644PI	PP	PP	316SS	-	PE ½" OD / Vinyl 0.938" OD	PTFE	RPM-644	\$ 541	
	646VI	Acrylic	PP	316SS	-	PE ½" OD / Vinyl 0.938" OD	PTFE	RPM-646	\$ 505			
	AD21	1	- 940NI									

RPM Kit	Price	Contents
FastPrime™		
RPM-842	\$ 177	*O Rings
RPM-843	\$ 213	*Shaft Seal
RPM-949	\$ 177	*Liquifram
RPM-947	\$ 341	*Check Valve Cartridges
		*Injection Valve Cartridge
AutoPrime™ De-gas		
RPM-A40A	\$ 223	*FastPrime or AutoPrime Cartridge
High Viscosity		
RPM-644	\$ 177	*Clamp Rings *Liquifram
RPM-646	\$ 177	*Seal Ring Seats *Balls, Springs
		*Shaft Seal



SERIES B METERING PUMPS



For support:



Control Codes

Key Features	B1	B7	B9
Stroke length manually adjustable	✓	✓	✓
Stroke frequency manually adjustable	✓	✓	✓
External control via pulse input		✓	✓
Manual/External mode selection		✓	✓
LCD and 4-key tactile keypad			✓
External control via 4-20mA			✓
Divide/Multiply incoming pulses			✓
Flow monitoring with alarm*			✓

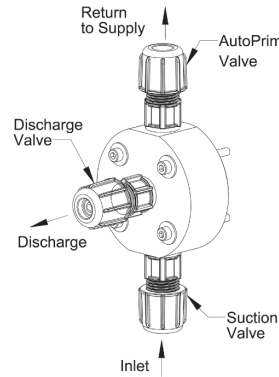
*Available with LMI Digi-Pulse™ Flow Monitor



MFV Multifunction Valve

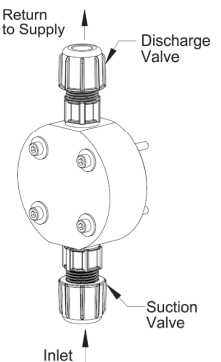
- This diaphragm type, anti-syphon/pressure relief valve is installed on the pump head.
- Can be oriented as required (360°) at precisely the desired position.
- Easier to use thanks to the more user-friendly design of the priming knobs and back pressure valve

Output Code	Max Output GPH	Max Output LPH	Max Pressure PSI	Max Pressure Bar
Series B with Liquipro™				
1	1.6	6.1	150	10.3
2	2.5	9.5	100	6.9
3	4.5	17.0	50	3.4
4	7.0	26.5	30	2.07
Series B with AutoPrime™				
1	1.4	5.3	150	10.3
2	2.3	8.7	100	6.9
3	4.0	15.1	50	3.4
4	6.8	25.7	30	2.07



AutoPrime™

Allows for the constant removal of vapors and gases present in applications like sodium hypochlorite and hydrogen peroxide.



Liquipro™

Standard Liquid End suitable for most applications

What's in the Box

Series B units include:						B9 units include:	
 Tube Connection Hardware						 4-pin Control Cable	
 Quick Start Guide						 8-pin Control Cable	
 Suction/Discharge Tubing							
 Injection Check Valve							
 Foot Valve							
 Ceramic Weight							

Note: Depending on the configuration of the LE, some of the items may not be included in the box.

SERIES B PUMP SELECTION AND PRICING

24

OUTPUT CODE 1

100 SPM Max.

Size Code 0.9

0.0 - 1.6 GPH (0.0 - 6.1 LPH); 150 psi (10.3 bar)

De-gas estimated at 0.00 to 1.4 GPH (0.00 to 5.3 LPH)

Bx1

Drive End										Price					
Control															
B11	Dual Manual Control									\$	1,074				
B71	Pulse Input w/ Dual Manual Control									\$	1,206				
B91	Pulse/Analog Input w/ Dual Manual Control - Advanced Features									\$	1,626				
	Power Code		Voltage		Frequency		Plug								
	1		110/120V		50-60 HZ		110 - 120V US Plug			\$	-				
	2		220/240V		50-60 HZ		220 - 240V US Plug			\$	-				
	3		220/240V		50-60 HZ		220 - 240V DIN Plug			\$	-				
	5		220/240V		50-60 HZ		220 - 240V UK Plug			\$	-				
	6		220/240V		50-60 HZ		220 - 240V Aust/NZ Plug			\$	-				
		Liquid End	Head	Fittings	Balls	Valve	Connections Suction/Discharge	Cartridge Valve or Seal Ring	RPM Kit		Pump Price				
											B11	B71	B91		
		Liquipro™ Molded													
		392NI	PVDF	PVDF	Ceramic	-	PE ¾" O.D.	PVDF / Polyprel®	RPM-392/398	\$	346	1420	1552	1972	
		392SI	PVDF	PVDF	Ceramic	FV	PE ¾" O.D.	PVDF / Polyprel®	RPM-392/398	\$	438	1512	1644	2064	
		393NI	PVDF	PVDF	Ceramic	-	PE ¾" O.D.	PVDF / PTFE	RPM-393	\$	396	1470	1602	2022	
		393SI	PVDF	PVDF	Ceramic	FV	PE ¾" O.D.	PVDF / PTFE	RPM-393	\$	488	1562	1694	2114	
		398NI	PVC	PVC	Ceramic	-	PE ¾" O.D.	PVDF / Polyprel®	RPM-392/398	\$	291	1365	1497	1917	
		398SI	PVC	PVC	Ceramic	FV	PE ¾" O.D.	PVDF / Polyprel®	RPM-392/398	\$	383	1457	1589	2009	
		Liquipro™ Machined													
		490NI	Acrylic	PVC	Ceramic	-	PE ¾" O.D.	PVDF / Polyprel®	RPM-392/398	\$	427	1501	1633	2053	
		490SI	Acrylic	PVC	Ceramic	FV	PE ¾" O.D.	PVDF / Polyprel®	RPM-392/398	\$	519	1593	1725	2145	
		495NI	PP	PP	Ceramic	-	PE ¾" O.D.	PTFE	RPM-495	\$	430	1504	1636	2056	
		495SI	PP	PP	Ceramic	FV	PE ¾" O.D.	PTFE	RPM-495	\$	522	1596	1728	2148	
		498NI	PVC	PVC	Ceramic	-	PE ¾" O.D.	PVDF / Polyprel®	RPM-392/398	\$	417	1491	1623	2043	
		498SI	PVC	PVC	Ceramic	FV	PE ¾" O.D.	PVDF / Polyprel®	RPM-392/398	\$	509	1583	1715	2135	
		499NI	Acrylic	PVDF	PTFE	-	PE ¾" O.D.	PVDF / Polyprel®	RPM-490F	\$	443	1517	1649	2069	
		499SI	Acrylic	PVDF	PTFE	FV	PE ¾" O.D.	PVDF / Polyprel®	RPM-490F	\$	535	1609	1741	2161	
		Legacy LMI													
		85HV	PP	PP	316SS	-	PE ½" OD / Vinyl 0.938" OD	PTFE	SP-85HV	\$	533	1607	1739	2159	
		86HV	Acrylic	PP	316SS	-	PE ½" OD / Vinyl 0.938" OD	FKM	SP-86	\$	533	1607	1739	2159	
		297	316SS	316SS	316SS	-	Pipe 1/4" NPT M	316SS	-	\$	671	1745	1877	2297	
		Liquipro™ De-gas													
		D90AI	Acrylic	PVC	Ceramic	-	PE ¾" O.D.	Polyprel®	RPM-D98	\$	509	1583	1715	2135	
		D90HI	Acrylic	PVC	Ceramic	FV	PE ¾" O.D.	Polyprel®	RPM-D98	\$	631	1705	1837	2257	
		D98AI	PVC	PVC	Ceramic	-	PE ¾" O.D.	Polyprel®	RPM-D98	\$	499	1573	1705	2125	
		D98HI	PVC	PVC	Ceramic	FV	PE ¾" O.D.	Polyprel®	RPM-D98	\$	621	1695	1827	2247	
	B11	1	- 392NI												

RPM Kit	Price	Contents	
Liquipro™			
RPM-392/398	\$ 165	*O-Rings	*Hardware kit
		*Shaft Seal	*Liquifram
RPM-393	\$ 188	*Check Valve	*Injection Valve
RPM-495	\$ 172	Cartridges	Cartridge
RPM-490F	\$ 172		
LMI			
SP-85HV	\$ 188	*Shaft Seal	*Liquifram
		*Seal Ring Seats	*Clamp rings
SP-86	\$ 177	*Balls & springs	
Liquipro™ De-gas			
RPM-D98	\$ 200	*O Rings	*Check Valve Cartridges
		*Shaft Seal	*Injection Valve Cartridge
		*Liquifram	*AutoPrime Cartridge



SERIES B PUMP SELECTION AND PRICING

25

OUTPUT CODE 2

100 SPM Max.

Size Code 0.9

0.0 - 2.5 GPH (0.0 - 9.5 LPH); 100 psi (6.9 bar)

De-gas estimated at 0.00 to 2.3 GPH (0.00 to 8.7 LPH)

Bx2

Drive End										Price			
Control													
B12 Dual Manual Control										\$ 1,074			
B72 Pulse Input w/ Dual Manual Control										\$ 1,206			
B92 Pulse/Analog Input w/ Dual Manual Control - Advanced Features										\$ 1,626			
	Power Code		Voltage		Frequency		Plug						
	1		110/120V		50-60 HZ		110 - 120V US Plug			\$ -			
	2		220/240V		50-60 HZ		220 - 240V US Plug			\$ -			
	3		220/240V		50-60 HZ		220 - 240V DIN Plug			\$ -			
	5		220/240V		50-60 HZ		220 - 240V UK Plug			\$ -			
	6		220/240V		50-60 HZ		220 - 240V Aust/NZ Plug			\$ -			
		Liquid End	Head	Fittings	Balls	Valve	Connections Suction/Discharge	Cartridge Valve or Seal Ring	RPM Kit	Pump Price			
										B12	B72	B92	
		Liquipro™ Molded											
		392NI	PVDF	PVDF	Ceramic	-	PE ¾" O.D.	PVDF / Polyprel®	RPM-392/398	\$ 346	1420	1552	1972
		392SI	PVDF	PVDF	Ceramic	FV	PE ¾" O.D.	PVDF / Polyprel®	RPM-392/398	\$ 438	1512	1644	2064
		393NI	PVDF	PVDF	Ceramic	-	PE ¾" O.D.	PVDF / PTFE	RPM-393	\$ 396	1470	1602	2022
		393SI	PVDF	PVDF	Ceramic	FV	PE ¾" O.D.	PVDF / PTFE	RPM-393	\$ 488	1562	1694	2114
		398NI	PVC	PVC	Ceramic	-	PE ¾" O.D.	PVDF / Polyprel®	RPM-392/398	\$ 291	1365	1497	1917
		398SI	PVC	PVC	Ceramic	FV	PE ¾" O.D.	PVDF / Polyprel®	RPM-392/398	\$ 383	1457	1589	2009
		Liquipro™ Machined											
		490NI	Acrylic	PVC	Ceramic	-	PE ¾" O.D.	PVDF / Polyprel®	RPM-392/398	\$ 427	1501	1633	2053
		490SI	Acrylic	PVC	Ceramic	FV	PE ¾" O.D.	PVDF / Polyprel®	RPM-392/398	\$ 519	1593	1725	2145
		495NI	PP	PP	Ceramic	-	PE ¾" O.D.	PTFE	RPM-495	\$ 430	1504	1636	2056
		495SI	PP	PP	Ceramic	FV	PE ¾" O.D.	PTFE	RPM-495	\$ 522	1596	1728	2148
		498NI	PVC	PVC	Ceramic	-	PE ¾" O.D.	PVDF / Polyprel®	RPM-392/398	\$ 417	1491	1623	2043
		498SI	PVC	PVC	Ceramic	FV	PE ¾" O.D.	PVDF / Polyprel®	RPM-392/398	\$ 509	1583	1715	2135
		499NI	Acrylic	PVDF	PTFE	-	PE ¾" O.D.	PVDF / Polyprel®	RPM-490F	\$ 443	1517	1649	2069
		499SI	Acrylic	PVDF	PTFE	FV	PE ¾" O.D.	PVDF / Polyprel®	RPM-490F	\$ 535	1609	1741	2161
		Legacy LMI											
		85HV	PP	PP	316SS	-	PE ½" OD / Vinyl 0.938" OD	PTFE	SP-85HV	\$ 533	1607	1739	2159
		86HV	Acrylic	PP	316SS	-	PE ½" OD / Vinyl 0.938" OD	FKM	SP-86	\$ 533	1607	1739	2159
		297	316SS	316SS	316SS	-	Pipe ¼ NPT M	316SS	-	\$ 671	1745	1877	2297
		Liquipro™ De-gas											
		D90AI	Acrylic	PVC	Ceramic	-	PE ¾" O.D.	Polyprel®	RPM-D98	\$ 509	1583	1715	2135
		D90HI	Acrylic	PVC	Ceramic	FV	PE ¾" O.D.	Polyprel®	RPM-D98	\$ 631	1705	1837	2257
		D98AI	PVC	PVC	Ceramic	-	PE ¾" O.D.	Polyprel®	RPM-D98	\$ 499	1573	1705	2125
		D98HI	PVC	PVC	Ceramic	FV	PE ¾" O.D.	Polyprel®	RPM-D98	\$ 621	1695	1827	2247
B11		1	- 392NI										

RPM Kit	Price	Contents	
Liquipro™			
RPM-392/398	\$ 165	*O-Rings	*Hardware kit
		*Shaft Seal	*Liquifram
RPM-393	\$ 188	*Check Valve	*Injection Valve
RPM-495	\$ 172	Cartridges	Cartridge
RPM-490F	\$ 172		
LMI			
SP-85HV	\$ 188	*Shaft Seal	*Liquifram
		*Seal Ring Seats	*Clamp rings
SP-86	\$ 177	*Balls & springs	
Liquipro™ De-gas			
RPM-D98	\$ 200	*O Rings	*Check Valve Cartridges
		*Shaft Seal	*Injection Valve Cartridge
		*Liquifram	*AutoPrime Cartridge



SERIES B PUMP SELECTION AND PRICING

26

OUTPUT CODE 3

100 SPM Max.

Size Code 1.8

0.0 - 4.5 GPH (0.0 - 17 LPH); 50 psi (3.4 bar)

De-gas estimated at 0.00 to 4.0 GPH (0.00 to 15.1 LPH)

Bx3

Drive End										Price					
Control															
B13	Dual Manual Control									\$	1,074				
B73	Pulse Input w/ Dual Manual Control									\$	1,206				
B93	Pulse/Analog Input w/ Dual Manual Control - Advanced Features									\$	1,626				
	Power Code		Voltage		Frequency		Plug								
	1		110/120V		50-60 HZ		110 - 120V US Plug		\$	-					
	2		220/240V		50-60 HZ		220 - 240V US Plug		\$	-					
	3		220/240V		50-60 HZ		220 - 240V DIN Plug		\$	-					
	5		220/240V		50-60 HZ		220 - 240V UK Plug		\$	-					
	6		220/240V		50-60 HZ		220 - 240V Aust/NZ Plug		\$	-					
		Liquid End	Head	Fittings	Balls	Valve	Connections Suction/Discharge	Cartridge Valve or Seal Ring	RPM Kit			Pump Price			
												B13	B73	B93	
	Liquipro™ Molded														
	362NI	PVDF		PVDF	Ceramic	-	PE ¾" O.D.	PVDF / Polyprel®	RPM-362/368	\$	346	1420	1552	1972	
	362SI	PVDF		PVDF	Ceramic	FV	PE ¾" O.D.	PVDF / Polyprel®	RPM-362/368	\$	438	1512	1644	2064	
	363NI	PVDF		PVDF	Ceramic	-	PE ¾" O.D.	PVDF / PTFE	RPM-363	\$	396	1470	1602	2022	
	363SI	PVDF		PVDF	Ceramic	FV	PE ¾" O.D.	PVDF / PTFE	RPM-363	\$	488	1562	1694	2114	
	368NI	PVC		PVC	Ceramic	-	PE ¾" O.D.	PVDF / Polyprel®	RPM-362/368	\$	291	1365	1497	1917	
	368SI	PVC		PVC	Ceramic	FV	PE ¾" O.D.	PVDF / Polyprel®	RPM-362/368	\$	383	1457	1589	2009	
	Liquipro™ Machined														
	460NI	Acrylic		PVC	Ceramic	-	PE ¾" O.D.	PVDF / Polyprel®	RPM-362/368	\$	427	1501	1633	2053	
	460SI	Acrylic		PVC	Ceramic	FV	PE ¾" O.D.	PVDF / Polyprel®	RPM-362/368	\$	519	1593	1725	2145	
	465NI	PP		PP	Ceramic	-	PE ¾" O.D.	PTFE	RPM-465	\$	430	1504	1636	2056	
	465SI	PP		PP	Ceramic	FV	PE ¾" O.D.	PTFE	RPM-465	\$	522	1596	1728	2148	
	468NI	PVC		PVC	Ceramic	-	PE ¾" O.D.	PVDF / Polyprel®	RPM-362/368	\$	417	1491	1623	2043	
	468SI	PVC		PVC	Ceramic	FV	PE ¾" O.D.	PVDF / Polyprel®	RPM-362/368	\$	509	1583	1715	2135	
	469NI	Acrylic		PVDF	PTFE	-	PE ¾" O.D.	PVDF / Polyprel®	RPM-460F	\$	443	1517	1649	2069	
	469SI	Acrylic		PVDF	PTFE	FV	PE ¾" O.D.	PVDF / Polyprel®	RPM-460F	\$	535	1609	1741	2161	
	Legacy LMI														
	75HV	PP		PP	316SS	-	PE ½" OD / Vinyl 0.938" OD	PTFE	SP-75HV	\$	533	1607	1739	2159	
	76HV	Acrylic		PP	316SS	-	PE ½" OD / Vinyl 0.938" OD	FKM	SP-76	\$	533	1607	1739	2159	
	277		316SS	316SS	316SS	-	Pipe ¼ NPT M	316SS	-	\$	671	1745	1877	2297	
	Liquipro™ De-gas														
	D60AI	Acrylic		PVC	Ceramic	-	PE ¾" O.D.	Polyprel®	RPM-D68	\$	509	1583	1715	2135	
	D60HI	Acrylic		PVC	Ceramic	FV	PE ¾" O.D.	Polyprel®	RPM-D68	\$	631	1705	1837	2257	
	D68AI	PVC		PVC	Ceramic	-	PE ¾" O.D.	Polyprel®	RPM-D68	\$	499	1573	1705	2125	
	D68HI	PVC		PVC	Ceramic	FV	PE ¾" O.D.	Polyprel®	RPM-D68	\$	621	1695	1827	2247	
	B13	1	- 362NI												

RPM Kit	Price	Contents	
Liquipro™			
RPM-362/368	\$ 172	*O-Rings	*Hardware kit
RPM-363	\$ 200	*Shaft Seal	*Liquifram
RPM-465	\$ 182	*Check Valve	*Injection Valve
RPM-460F	\$ 182	Cartridges	Cartridge
LMI			
SP-75HV	\$ 188	*Shaft Seal	*Liquifram
SP-76	\$ 177	*Seal Ring Seats	*Clamp rings
		*Balls & springs	
Liquipro™ De-gas			
RPM-D68	\$ 213	*O Rings	*Check Valve Cartridges
		*Shaft Seal	*Injection Valve Cartridge
		*Liquifram	*AutoPrime Cartridge



SERIES B PUMP SELECTION AND PRICING

27

OUTPUT CODE 4

100 SPM Max.

Size Code 3.0

0.0 - 7.0 GPH (0.0 - 26.5 LPH); 30 psi (2.07 bar)

De-gas estimated at 0.00 to 6.8 GPH (0.00 to 25.7 LPH)

Bx4

Drive End									Price				
Control													
B14 Dual Manual Control									\$	1,148			
B74 Pulse Input w/ Dual Manual Control									\$	1,280			
B94 Pulse/Analog Input w/ Dual Manual Control - Advanced Features									\$	1,700			
	Power Code		Voltage		Frequency		Plug						
	1		110/120V		50-60 HZ		110 - 120V US Plug		\$	-			
	2		220/240V		50-60 HZ		220 - 240V US Plug		\$	-			
	3		220/240V		50-60 HZ		220 - 240V DIN Plug		\$	-			
	5		220/240V		50-60 HZ		220 - 240V UK Plug		\$	-			
	6		220/240V		50-60 HZ		220 - 240V Aust/NZ Plug		\$	-			
		Liquid End	Head	Fittings	Balls	Valve	Connections Suction/Discharge	Cartridge Valve or Seal Ring	RPM Kit	Pump Price			
										B14	B74	B94	
	Liquipro™ Molded												
	312NI	PVDF	PVDF	Ceramic	-	PE ½" O.D.	PVDF / Polyprel®	RPM-312/318	\$	482	1630	1762	2182
	312SI	PVDF	PVDF	Ceramic	FV	PE ½" O.D.	PVDF / Polyprel®	RPM-312/318	\$	574	1722	1854	2274
	313NI	PVDF	PVDF	Ceramic	-	PE ½" O.D.	PVDF / PTFE	RPM-313	\$	532	1680	1812	2232
	313SI	PVDF	PVDF	Ceramic	FV	PE ½" O.D.	PVDF / PTFE	RPM-313	\$	624	1772	1904	2324
	318NI	PVC	PVC	Ceramic	-	PE ½" O.D.	PVDF / Polyprel®	RPM-312/318	\$	427	1575	1707	2127
	318SI	PVC	PVC	Ceramic	FV	PE ½" O.D.	PVDF / Polyprel®	RPM-312/318	\$	519	1667	1799	2219
	Liquipro™ Machined												
	410NI	Acrylic	PVC	Ceramic	-	PE ½" O.D.	PVDF / Polyprel®	RPM-312/318	\$	563	1711	1843	2263
	410SI	Acrylic	PVC	Ceramic	FV	PE ½" O.D.	PVDF / Polyprel®	RPM-312/318	\$	655	1803	1935	2355
	415NI	PP	PP	Ceramic	-	PE ½" O.D.	PTFE	RPM-415	\$	566	1714	1846	2266
	415SI	PP	PP	Ceramic	FV	PE ½" O.D.	PTFE	RPM-415	\$	658	1806	1938	2358
	418NI	PVC	PVC	Ceramic	-	PE ½" O.D.	PVDF / Polyprel®	RPM-312/318	\$	553	1701	1833	2253
	418SI	PVC	PVC	Ceramic	FV	PE ½" O.D.	PVDF / Polyprel®	RPM-312/318	\$	645	1793	1925	2345
	419NI	Acrylic	PVDF	PTFE	-	PE ½" O.D.	PVDF / Polyprel®	RPM-410F	\$	579	1727	1859	2279
	419SI	Acrylic	PVDF	PTFE	FV	PE ½" O.D.	PVDF / Polyprel®	RPM-410F	\$	671	1819	1951	2371
	Legacy LMI												
	217	316SS	316SS	316SS	-	Pipe ¼" NPT M	316SS	-	\$	807	1955	2087	2507
	Liquipro™ De-gas												
	D10AI	Acrylic	PVC	Ceramic	-	PE ½" O.D.	Polyprel®	RPM-D98	\$	645	1793	1925	2345
	D10HI	Acrylic	PVC	Ceramic	FV	PE ½" O.D.	Polyprel®	RPM-D98	\$	767	1915	2047	2467
	D18AI	PVC	PVC	Ceramic	-	PE ½" O.D.	Polyprel®	RPM-D98	\$	635	1783	1915	2335
	D18HI	PVC	PVC	Ceramic	FV	PE ½" O.D.	Polyprel®	RPM-D98	\$	757	1905	2037	2457
	B13	1	- 312NI										

RPM Kit	Price	Contents
Liquipro™		
RPM-312/318	\$ 177	*O-Rings *Shaft Seal
RPM-313	\$ 213	*Check Valve Cartridges
RPM-415	\$ 195	*Hardware kit
RPM-410F	\$ 195	*Liquifram *Injection Valve Cartridge
Liquipro™ De-gas		
RPM-D18	\$ 223	*O Rings *Shaft Seal *Liquifram *Check Valve Cartridges *Injection Valve Cartridge *AutoPrime Cartridge

NOTE: Liquipro™ Liquid Ends use 3/8" diameter valve balls. Pump output may be reduced in some applications.

SERIES C METERING PUMPS



For support:



Control Codes

Key Features	C1	C7	C9
Stroke length manually adjustable	✓	✓	✓
Stroke frequency manually adjustable	✓	✓	✓
External control via pulse input		✓	✓
Manual/External mode selection		✓	✓
LCD and 4-key tactile keypad			✓
External control via 4-20mA			✓
Divide/Multiply incoming pulses			✓
Flow monitoring with alarm*			✓

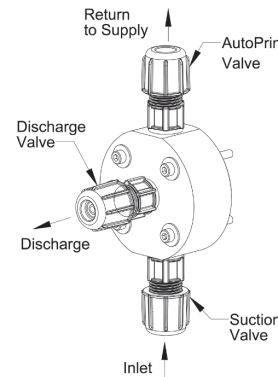
*Available with LMI Digi-Pulse™ Flow Monitor



MFV Multifunction Valve

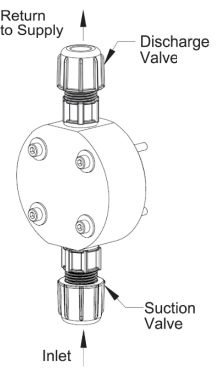
- This diaphragm type, anti-syphon/pressure relief valve is installed on the pump head.
- Can be oriented as required (360°) at precisely the desired position.
- Easier to use thanks to the more user-friendly design of the priming knobs and back pressure valve

Output Code	Max Output GPH	Max Output LPH	Max Pressure PSI	Max Pressure Bar
Series C with Liquipro™				
0	1.3	4.9	300	20.7
1	2.5	9.5	150	10.3
2	4.0	15.1	100	6.9
3	8.0	30.3	60	4.1
4	20.0	75.7	25	1.7
6	4.0	15.1	175	12.1
7	10.0	38.0	80	5.5
8	25.0	95.0	30	2.07
Series C with AutoPrime™				
1	2.3	8.7	150	10.3
2	3.8	14.4	100	6.9
3	7.8	29.5	60	4.1



AutoPrime™

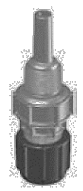
Allows for the constant removal of vapors and gases present in applications like sodium hypochlorite and hydrogen peroxide.



Liquipro™

Standard Liquid End suitable for most applications

What's in the Box

Series C units include:						C9 units include:	
							
Tube Connection Hardware	Quick Start Guide	Suction/Discharge Tubing	Injection Check Valve	Foot Valve	Ceramic Weight	4-pin Control Cable	8-pin Control Cable

Note: Depending on the configuration of the LE, some of the items may not be included in the box.

SERIES C PUMP SELECTION AND PRICING

29

OUTPUT CODE 0

100 SPM Max.

Size Code 0.9

0.0 - 1.3 GPH (0.0 - 4.9 LPH); 300 psi (20.7 bar)

Cx0

Drive End										Price	
Control											
C10	Dual Manual Control									\$ 1,529	
C70	Pulse Input w/ Dual Manual Control									\$ 1,654	
C90	Pulse/Analog Input w/ Dual Manual Control - Advanced Features									\$ 2,089	
	Power Code		Voltage		Frequency		Plug				
	1		110/120V		50-60 HZ		110 - 120V US Plug			\$ -	
	2		220/240V		50-60 HZ		220 - 240V US Plug			\$ -	
	3		220/240V		50-60 HZ		220 - 240V DIN Plug			\$ -	
	5		220/240V		50-60 HZ		220 - 240V UK Plug			\$ -	
	6		220/240V		50-60 HZ		220 - 240V Aust/NZ Plug			\$ -	
			Liquid End	Valve	Head	Fittings	Balls	Seal Ring	Tubing & Connections	RPM Kit	
			Liquipro™ Machine								
			498SP	FV	PVC	PVC	Ceramic	PVDF/Polyprel®	Pipe ½" NPT M	RPM-392/398	\$ 509
			Legacy LMI								
		297	-	316SS	316SS	316SS	316SS	Pipe ¼" NPT M	-	\$ 671	
C10	1	-498SP									

RPM Kit	Price	Contents
Liquipro™		*O-Rings
RPM-392/398	\$ 165	*Shaft Seal
		*Check Valve Cartridges
		*Hardware kit
		*Liquifram



SERIES C PUMP SELECTION AND PRICING

30

OUTPUT CODE 1

100 SPM Max.

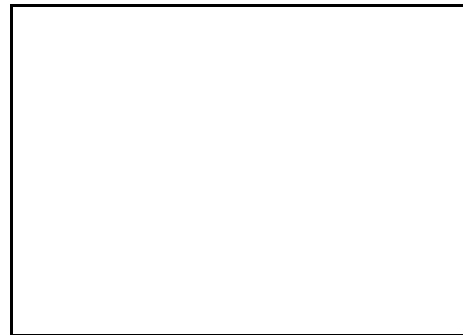
Size Code 1.8

0.0 - 2.5 GPH (0.0 - 9.5 LPH); 150 psi (10.3 bar)

De-gas estimated at 0.00 to 2.3 GPH (0.00 to 8.7 LPH)

Cx1														
Drive End									Price					
Control														
C11	Dual Manual Control								\$ 1,529					
C71	Pulse Input w/ Dual Manual Control								\$ 1,654					
C91	Pulse/Analog Input w/ Dual Manual Control - Advanced Features								\$ 2,089					
	Power Code		Voltage		Frequency		Plug							
	1		110/120V		50-60 HZ		110 - 120V US Plug		\$ -					
	2		220/240V		50-60 HZ		220 - 240V US Plug		\$ -					
	3		220/240V		50-60 HZ		220 - 240V DIN Plug		\$ -					
	5		220/240V		50-60 HZ		220 - 240V UK Plug		\$ -					
	6		220/240V		50-60 HZ		220 - 240V Aust/NZ Plug		\$ -					
		Liquid End	Head	Fittings	Balls	Valve	Connections Suction/Discharge	Cartridge Valve or Seal Ring	RPM Kit		Pump Price			
											C11	C71	C91	
		Liquipro™ Molded												
		362NI	PVDF	PVDF	Ceramic	-	PE ¾" O.D.	PVDF/ Polyprel®	RPM-362/368	\$ 346	1875	2000	2435	
		362SI	PVDF	PVDF	Ceramic	FV	PE ¾" O.D.	PVDF/ Polyprel®	RPM-362/368	\$ 438	1967	2092	2527	
		363NI	PVDF	PVDF	Ceramic	-	PE ¾" O.D.	PVDF / PTFE	RPM-363	\$ 396	1925	2050	2485	
		363SI	PVDF	PVDF	Ceramic	FV	PE ¾" O.D.	PVDF / PTFE	RPM-363	\$ 488	2017	2142	2577	
		368NI	PVC	PVC	Ceramic	-	PE ¾" O.D.	PVDF/ Polyprel®	RPM-362/368	\$ 291	1820	1945	2380	
		368SI	PVC	PVC	Ceramic	FV	PE ¾" O.D.	PVDF/ Polyprel®	RPM-362/368	\$ 383	1912	2037	2472	
		Liquipro™ Machined												
		460NI	Acrylic	PVC	Ceramic	-	PE ¾" O.D.	PVDF/ Polyprel®	RPM-362/368	\$ 427	1956	2081	2516	
		460SI	Acrylic	PVC	Ceramic	FV	PE ¾" O.D.	PVDF/ Polyprel®	RPM-362/368	\$ 519	2048	2173	2608	
		465NI	PP	PP	Ceramic	-	PE ¾" O.D.	PTFE	RPM-465	\$ 430	1959	2084	2519	
		465SI	PP	PP	Ceramic	FV	PE ¾" O.D.	PTFE	RPM-465	\$ 522	2051	2176	2611	
		468NI	PVC	PVC	Ceramic	-	PE ¾" O.D.	PVDF/ Polyprel®	RPM-362/368	\$ 417	1946	2071	2506	
		468SI	PVC	PVC	Ceramic	FV	PE ¾" O.D.	PVDF/ Polyprel®	RPM-362/368	\$ 509	2038	2163	2598	
		469NI	Acrylic	PVDF	PTFE	-	PE ¾" O.D.	PVDF/ Polyprel®	RPM-460F	\$ 443	1972	2097	2532	
		469SI	Acrylic	PVDF	PTFE	FV	PE ¾" O.D.	PVDF/ Polyprel®	RPM-460F	\$ 535	2064	2189	2624	
		Legacy LMI												
		75HV	PP	PP	316SS	-	PE ½" OD / Vinyl 0.938" OD	PTFE	SP-75HV	\$ 533	2062	2187	2622	
		76HV	Acrylic	PP	316SS	-	PE ½" OD / Vinyl 0.938" OD	FKM	SP-76	\$ 533	2062	2187	2622	
		277	316SS	316SS	316SS	-	Pipe ¾" NPT M	316SS	-	\$ 671	2200	2325	2760	
		Liquipro™ De-gas												
		D60AI	Acrylic	PVC	Ceramic	-	PE ¾" O.D.	Polyprel®	RPM-D68	\$ 509	2038	2163	2598	
		D60HI	Acrylic	PVC	Ceramic	FV	PE ¾" O.D.	Polyprel®	RPM-D68	\$ 631	2160	2285	2720	
		D68AI	PVC	PVC	Ceramic	-	PE ¾" O.D.	Polyprel®	RPM-D68	\$ 499	2028	2153	2588	
		D68HI	PVC	PVC	Ceramic	FV	PE ¾" O.D.	Polyprel®	RPM-D68	\$ 621	2150	2275	2710	
C11	1	-362SI												

RPM Kit	Price	Contents
Liquipro™		
RPM-362/368	\$ 172	*O-Rings
RPM-363	\$ 200	*Shaft Seal
RPM-465	\$ 182	*Check Valve Cartridges
RPM-460F	\$ 182	*Hardware kit
		*Liquifram
Legacy LMI		
SP-75HV	\$ 188	*Shaft Seal
SP-76	\$ 177	*Seal Ring Seats
		*Balls & springs
Liquipro™ De-gas		
RPM-D68	\$ 213	*O Rings
		*Check Valve Cartridges
		*Shaft Seal
		*Injection Valve Cartridge
		*Liquifram
		*AutoPrime Cartridge



SERIES C PUMP SELECTION AND PRICING

31

OUTPUT CODE 2

100 SPM Max.

Size Code 1.8

0.0 - 4.0 GPH (0.0 - 15.1 LPH); 100 psi (6.9 bar)

De-gas estimated at 0.00 to 3.8 GPH (0.00 to 14.4 LPH)

Cx2														
Drive End									Price					
Control														
C12 Dual Manual Control									\$ 1,529					
C72 Pulse Input w/ Dual Manual Control									\$ 1,654					
C92 Pulse/Analog Input w/ Dual Manual Control - Advanced Features									\$ 2,089					
	Power Code		Voltage		Frequency		Plug							
	1		110/120V		50-60 HZ		110 - 120V US Plug		\$ -					
	2		220/240V		50-60 HZ		220 - 240V US Plug		\$ -					
	3		220/240V		50-60 HZ		220 - 240V DIN Plug		\$ -					
	5		220/240V		50-60 HZ		220 - 240V UK Plug		\$ -					
	6		220/240V		50-60 HZ		220 - 240V Aust/NZ Plug		\$ -					
		Liquid End	Head	Fittings	Balls	Valve	Connections Suction/Discharge	Cartridge Valve or Seal Ring	RPM Kit		Pump Price			
											C12	C72	C92	
		Liquipro™ Molded												
		362NI	PVDF	PVDF	Ceramic	-	PE ¾" O.D.	PVDF / Polyprel®	RPM-362/368	\$ 346	1875	2000	2435	
		362SI	PVDF	PVDF	Ceramic	FV	PE ¾" O.D.	PVDF / Polyprel®	RPM-362/368	\$ 438	1967	2092	2527	
		363NI	PVDF	PVDF	Ceramic	-	PE ¾" O.D.	PVDF / PTFE	RPM-363	\$ 396	1925	2050	2485	
		363SI	PVDF	PVDF	Ceramic	FV	PE ¾" O.D.	PVDF / PTFE	RPM-363	\$ 488	2017	2142	2577	
		368NI	PVC	PVC	Ceramic	-	PE ¾" O.D.	PVDF/ Polyprel®	RPM-362/368	\$ 291	1820	1945	2380	
		368SI	PVC	PVC	Ceramic	FV	PE ¾" O.D.	PVDF/ Polyprel®	RPM-362/368	\$ 383	1912	2037	2472	
		Liquipro™ Machined												
		460NI	Acrylic	PVC	Ceramic	-	PE ¾" O.D.	PVDF/ Polyprel®	RPM-362/368	\$ 427	1956	2081	2516	
		460SI	Acrylic	PVC	Ceramic	FV	PE ¾" O.D.	PVDF/ Polyprel®	RPM-362/368	\$ 519	2048	2173	2608	
		465NI	PP	PP	Ceramic	-	PE ¾" O.D.	PTFE	RPM-465	\$ 430	1959	2084	2519	
		465SI	PP	PP	Ceramic	FV	PE ¾" O.D.	PTFE	RPM-465	\$ 522	2051	2176	2611	
		468NI	PVC	PVC	Ceramic	-	PE ¾" O.D.	PVDF/ Polyprel®	RPM-362/368	\$ 417	1946	2071	2506	
		468SI	PVC	PVC	Ceramic	FV	PE ¾" O.D.	PVDF/ Polyprel®	RPM-362/368	\$ 509	2038	2163	2598	
		469NI	Acrylic	PVDF	PTFE	-	PE ¾" O.D.	PVDF/ Polyprel®	RPM-460F	\$ 443	1972	2097	2532	
		469SI	Acrylic	PVDF	PTFE	FV	PE ¾" O.D.	PVDF/ Polyprel®	RPM-460F	\$ 535	2064	2189	2624	
		Legacy LMI												
		75HV	PP	PP	316SS	-	PE ½" OD / Vinyl 0.938" OD	PTFE	SP-75HV	\$ 533	2062	2187	2622	
		76HV	Acrylic	PP	316SS	-	PE ½" OD / Vinyl 0.938" OD	FKM	SP-76	\$ 533	2062	2187	2622	
		277	316SS	316SS	316SS	-	Pipe 1/4" NPT M	316SS	-	\$ 671	2200	2325	2760	
		Liquipro™ De-gas												
		D60AI	Acrylic	PVC	Ceramic	-	PE ¾" O.D.	Polyprel®	RPM-D68	\$ 509	2038	2163	2598	
		D60HI	Acrylic	PVC	Ceramic	FV	PE ¾" O.D.	Polyprel®	RPM-D68	\$ 631	2160	2285	2720	
		D68AI	PVC	PVC	Ceramic	-	PE ¾" O.D.	Polyprel®	RPM-D68	\$ 499	2028	2153	2588	
		D68HI	PVC	PVC	Ceramic	FV	PE ¾" O.D.	Polyprel®	RPM-D68	\$ 621	2150	2275	2710	
	C11	1	-362SI											

RPM Kit	Price	Contents
Liquipro™		*O-Rings
RPM-362/368	\$ 172	*Shaft Seal
RPM-363	\$ 200	*Check Valve Cartridges
RPM-465	\$ 182	*Hardware kit
RPM-460F	\$ 182	*Liquifram
Legacy LMI		*Shaft Seal
SP-75HV	\$ 188	*Seal Ring Seats
SP-76	\$ 177	*Balls & springs
Liquipro™ De-gas		*O Rings
RPM-D68	\$ 213	*Check Valve Cartridges
		*Shaft Seal
		*Injection Valve Cartridge
		*Liquifram
		*AutoPrime Cartridge



SERIES C PUMP SELECTION AND PRICING

32

OUTPUT CODE 3

100 SPM Max.

Size Code 3.0

0.0 - 8.0 GPH (0.0 - 30.3 LPH); 60 psi (4.1 bar)

De-gas estimated at 0.00 to 7.8 GPH (0.00 to 29.5 LPH)

Cx3														
Drive End									Price					
Control														
C13 Dual Manual Control									\$ 1,529					
C73 Pulse Input w/ Dual Manual Control									\$ 1,654					
C93 Pulse/Analog Input w/ Dual Manual Control - Advanced Features									\$ 2,089					
	Power Code		Voltage		Frequency		Plug							
	1		110/120V		50-60 HZ		110 - 120V US Plug		\$ -					
	2		220/240V		50-60 HZ		220 - 240V US Plug		\$ -					
	3		220/240V		50-60 HZ		220 - 240V DIN Plug		\$ -					
	5		220/240V		50-60 HZ		220 - 240V UK Plug		\$ -					
	6		220/240V		50-60 HZ		220 - 240V Aust/NZ Plug		\$ -					
		Liquid End	Head	Fittings	Balls	Valve	Connections Suction/Discharge	Cartridge Valve or Seal Ring	RPM Kit		Pump Price			
											C13	C73	C93	
		Liquipro™ Molded												
		312NI	PVDF	PVDF	Ceramic	-	PE ½" O.D.	PVDF / Polyprel®	RPM-312/318	\$ 482	2011	2136	2571	
		312SI	PVDF	PVDF	Ceramic	FV	PE ½" O.D.	PVDF / Polyprel®	RPM-312/318	\$ 574	2103	2228	2663	
		313NI	PVDF	PVDF	Ceramic	-	PE ½" O.D.	PVDF / PTFE	RPM-313	\$ 532	2061	2186	2621	
		313SI	PVDF	PVDF	Ceramic	FV	PE ½" O.D.	PVDF / PTFE	RPM-313	\$ 624	2153	2278	2713	
		318NI	PVC	PVC	Ceramic	-	PE ½" O.D.	PVDF/ Polyprel®	RPM-312/318	\$ 427	1956	2081	2516	
		318SI	PVC	PVC	Ceramic	FV	PE ½" O.D.	PVDF/ Polyprel®	RPM-312/318	\$ 519	2048	2173	2608	
		Liquipro™ Machined												
		410NI	Acrylic	PVC	Ceramic	-	PE ½" O.D.	PVDF/ Polyprel®	RPM-312/318	\$ 563	2092	2217	2652	
		410SI	Acrylic	PVC	Ceramic	FV	PE ½" O.D.	PVDF/ Polyprel®	RPM-312/318	\$ 655	2184	2309	2744	
		415NI	PP	PP	Ceramic	-	PE ½" O.D.	PTFE	RPM-415	\$ 566	2095	2220	2655	
		415SI	PP	PP	Ceramic	FV	PE ½" O.D.	PTFE	RPM-415	\$ 658	2187	2312	2747	
		418NI	PVC	PVC	Ceramic	-	PE ½" O.D.	PVDF/ Polyprel®	RPM-312/318	\$ 553	2082	2207	2642	
		418SI	PVC	PVC	Ceramic	FV	PE ½" O.D.	PVDF/ Polyprel®	RPM-312/318	\$ 645	2174	2299	2734	
		419NI	Acrylic	PVDF	PTFE	-	PE ½" O.D.	PVDF/ Polyprel®	RPM-410F	\$ 579	2108	2233	2668	
		419SI	Acrylic	PVDF	PTFE	FV	PE ½" O.D.	PVDF/ Polyprel®	RPM-410F	\$ 671	2200	2325	2760	
		Legacy LMI												
		20	Acrylic	PVC	Ceramic	-	PE ½" OD	FKM	SP-20	\$ 583	2112	2237	2672	
		20HV	Acrylic	PP	316SS	-	PE ½" OD/Vinyl 0.938" OD	FKM	SP-20HV	\$ 700	2229	2354	2789	
		20S	Acrylic	PVC	Ceramic	FV	PE ½" OD/Vinyl ½" OD	FKM	SP-20	\$ 724	2253	2378	2813	
		24	PVC	PVC	Ceramic	-	Pipe ½" NPT M	PTFE	SP-U5	\$ 630	2159	2284	2719	
		25HV	PP	316SS	316SS	-	PE ½" OD/Vinyl 0.938" OD	PTFE	SP-25HV	\$ 700	2229	2354	2789	
		26	PVC	PVC	Ceramic	-	PE ½" OD	FKM	SP-26	\$ 577	2106	2231	2666	
		26S	PVC	PVC	Ceramic	FV	PE ½" OD	FKM	SP-26	\$ 719	2248	2373	2808	
		27	316SS	316SS	316SS	-	Pipe ½" NPT M	PTFE	SP-27	\$ 1,864	3393	3518	3953	
		Liquipro™ De-gas												
		D10AI	Acrylic	PVC	Ceramic	-	PE ½" O.D.	Polyprel®	RPM-D18	\$ 645	2174	2299	2734	
		D10HI	Acrylic	PVC	Ceramic	FV	PE ½" O.D.	Polyprel®	RPM-D18	\$ 767	2296	2421	2856	
		D18AI	PVC	PVC	Ceramic	-	PE ½" O.D.	Polyprel®	RPM-D18	\$ 635	2164	2289	2724	
		D18HI	PVC	PVC	Ceramic	FV	PE ½" O.D.	Polyprel®	RPM-D18	\$ 757	2286	2411	2846	
	C13	1	- 312											

RPM Kit	Price	Contents
Legacy LMI		
SP-20	\$ 165	*Shaft Seal
SP-20HV	\$ 213	*Liquifram
SP-U5	\$ 247	*Seal Ring Seats
SP-25HV	\$ 213	*Clamp rings
SP-26	\$ 258	*Balls & spring or springs
SP-27	\$ 200	

RPM Kit	Price	Contents
Liquipro™		
RPM-312/318	\$ 177	*O-Rings *Hardware kit
RPM-313	\$ 213	*Shaft Seal *Liquifram
RPM-415	\$ 195	*Check Valve Cartridges
RPM-410F	\$ 195	
Liquipro™ De-gas		
RPM-D18	\$ 223	*Liquifram *O Rings *Shaft Seal
		*AutoPrime Cart *CV Cart. *Inj. Valve

SERIES C PUMP SELECTION AND PRICING

33

OUTPUT CODE 4

100 SPM Max.

Size Code 6.0

0.0 - 20 GPH (0.0 - 75.7 LPH); 25 psi (1.7 bar)

Cx4

Drive End										Price	
Control											
C14 Dual Manual Control										\$ 1,709	
C74 Pulse Input w/ Dual Manual Control										\$ 1,834	
C94 Pulse/Analog Input w/ Dual Manual Control - Advanced Features										\$ 2,269	
	Power Code		Voltage		Frequency		Plug				
	1		110/120V		50-60 HZ		110 - 120V US Plug		\$ -		
	2		220/240V		50-60 HZ		220 - 240V US Plug		\$ -		
	3		220/240V		50-60 HZ		220 - 240V DIN Plug		\$ -		
	5		220/240V		50-60 HZ		220 - 240V UK Plug		\$ -		
	6		220/240V		50-60 HZ		220 - 240V Aust/NZ Plug		\$ -		
		Liquid End	Head	Fittings	Balls	Seal Ring	Tubing & Connections Suction / Discharge		RPM Kit		
		Legacy LMI									
		30	Acrylic	PVC	Ceramic	PTFE	PE ½" O.D. / Vinyl ½" O.D.		SP-U6	\$ 740	
		34	PVC	PVC	Ceramic	PTFE	Pipe ½" NPT M		SP-U6	\$ 788	
		35P	PP	PP	Ceramic	PTFE	Pipe ½" NPT M		SP-U6	\$ 829	
		35T	PP	PP	Ceramic	PTFE	PE ½" O.D.		SP-U6	\$ 772	
		36	PVC	PVC	Ceramic	PTFE	PE ½" O.D.		SP-U6	\$ 733	
		37	316SS	316SS	316SS	PTFE	Pipe ½" NPT M		SP-37	\$ 2,069	
		C14	1	- 30							

Pump Price			
C14	C74	C94	
2449	2574	3009	
2497	2622	3057	
2538	2663	3098	
2481	2606	3041	
2442	2567	3002	
3778	3903	4338	

RPM Kit	Price		Contents
Legacy LMI			
SP-U6	\$	293	*Shaft Seal *Liquifram
SP-37	\$	223	*Seal Ring Seats *Clamp rings *Balls & spring or springs

SERIES C PUMP SELECTION AND PRICING

34

OUTPUT CODE 6

100 SPM Max.

Size Code 1.8

0.0 - 4 GPH (0.0 - 15.1 LPH); 175 psi (12.1 bar)

C76											Pump Price C76
Drive End										Price	
Control											
C76 Pulse Input w/ Dual Manual Control										\$ 1,957	
	Power Code		Voltage		Frequency		Plug				
	1		110/120V		50-60 HZ		110 - 120V US Plug			\$ -	
	2		220/240V		50-60 HZ		220 - 240V US Plug			\$ -	
	3		220/240V		50-60 HZ		220 - 240V DIN Plug			\$ -	
	5		220/240V		50-60 HZ		220 - 240V UK Plug			\$ -	
	6		220/240V		50-60 HZ		220 - 240V Aust/NZ Plug			\$ -	
		Liquid End	Head	Fittings	Balls	Cartridge or Seal Ring	Valve	Tubing & Connections Suction / Discharge		RPM Kit	
	Liquipro™ Machined										
	468SP	PVC	PVC	Ceramic	PVDF/Polyprel®	FV	½" NPT M		RPM-362/368	\$ 509	\$ 2,466
	Legacy LMI										
	277	316SS	316SS	316SS	PTFE	-	¼" NPT M		-	\$ 671	\$ 2,628
C76	1	-468SP									

RPM Kit	Price	Contents
Liquipro™		*O-Rings
RPM-362/368	\$ 172	*Shaft Seal
		*Check Valve Cartridges
		*Hardware kit
		*Liquifram

SERIES C PUMP SELECTION AND PRICING

35

OUTPUT CODE 7

100 SPM Max.

Size Code 3.0

0.0 - 10 GPH (0.0 - 38 LPH); 80 psi (5.5 bar)

C77

Drive End										Price
Control										
C77 Pulse Input w/ Dual Manual Control										\$ 1,957
Power Code	Voltage	Frequency	Plug							
1	110/120V	50-60 HZ	110 - 120V US Plug							\$ -
2	220/240V	50-60 HZ	220 - 240V US Plug							\$ -
3	220/240V	50-60 HZ	220 - 240V DIN Plug							\$ -
5	220/240V	50-60 HZ	220 - 240V UK Plug							\$ -
6	220/240V	50-60 HZ	220 - 240V Aust/NZ Plug							\$ -
Liquid End	Head	Fittings	Balls	Seal Ring	Valve	Tubing & Connections Suction / Discharge	RPM Kit	Pump Price C77		
Legacy LMI										
20	Acrylic	PVC	Ceramic	FKM	-	PE ½" OD / Vinyl ½" OD	SP-20	\$ 583	\$	2,540
20HV	Acrylic	PP	316SS	FKM	-	PE ½" OD / Vinyl 0.938" OD	SP-20HV	\$ 700	\$	2,657
20S	Acrylic	PVC	Ceramic	FKM	FV	PE ½" OD / Vinyl ½" OD	SP-20	\$ 724	\$	2,681
24	PVC	PVC	Ceramic	PTFE	-	Pipe ½" NPT M	SP-U5	\$ 630	\$	2,587
25HV	PP	316SS	316SS	PTFE	-	PE ½" OD / Vinyl 0.938" OD	SP-25HV	\$ 700	\$	2,657
25P	PP	PP	Ceramic	PTFE		Pipe ½" NPT M	SP-U5	\$ 670	\$	2,627
25T	PP	PP	Ceramic	PTFE		PE ½" OD	SP-U5	\$ 533	\$	2,490
26	PVC	PVC	Ceramic	FKM	-	PE ½" OD	SP-26	\$ 577	\$	2,534
26S	PVC	PVC	Ceramic	FKM	FV	PE ½" OD	SP-26	\$ 719	\$	2,676
27	316SS	316SS	316SS	PTFE	-	Pipe ½" NPT M	SP-27	\$ 1,864	\$	3,821
C77	1	-20								

RPM Kit	Price	Contents
Legacy LMI		
SP-20	\$ 165	*Shaft Seal
SP-20HV	\$ 213	*Seal Ring Seats
SP-U5	\$ 247	*Liquifram
SP-25HV	\$ 213	*Clamp rings
SP-U5	\$ 247	*Balls & springs
SP-26	\$ 258	
SP-27	\$ 200	

SERIES C PUMP SELECTION AND PRICING

36

OUTPUT CODE 8

100 SPM Max.

Size Code 6.0

0.0 - 25 GPH (0.0 - 95 LPH); 30 psi (2.7 bar)

C78

Drive End								Price
Control								
C78 Pulse Input w/ Dual Manual Control								\$ 2,142
Power Code	Voltage	Frequency	Plug					
1	110V	50-60 HZ	110 - 120V US Plug					\$ -
2	220/240V	50-60 HZ	220 - 240V US Plug					\$ -
3	220/240V	50-60 HZ	220 - 240V DIN Plug					\$ -
5	220/240V	50-60 HZ	220 - 240V UK Plug					\$ -
6	220/240V	50-60 HZ	220 - 240V Aust/NZ Plug					\$ -
Liquid End	Head	Fittings	Balls	Seal Ring	Tubing & Connections Suction / Discharge	RPM Kit	Pump Price C78	
Legacy LMI								
30	Acrylic	PVC	Ceramic	PTFE	PE 0½" O.D	SP-U6	\$ 740	\$ 2,882
34	PVC	PVC	Ceramic	PTFE	Pipe 0½" NPT M	SP-U6	\$ 788	\$ 2,930
35P	PP	PP	Ceramic	PTFE	Pipe 0½" NPT M	SP-U6	\$ 829	\$ 2,971
35T	PP	PP	Ceramic	PTFE	PE 0½" O.D	SP-U6	\$ 772	\$ 2,914
36	PVC	PVC	Ceramic	PTFE	PE 0½" O.D	SP-U6	\$ 733	\$ 2,875
37	316SS	316SS	316SS	PTFE	Pipe 0½" NPT M	SP-37	\$ 2,069	\$ 4,211
C78	1	- 30						

RPM Kit	Price	Contents
Legacy LMI		*Shaft Seal
SP-U6	\$ 293	*Liquifram
SP-37	\$ 223	*Seal Ring Seats
		*Clamp rings
		*Balls & springs

SERIES E METERING PUMPS

Explosion Proof Pumps



For support:



Control Code

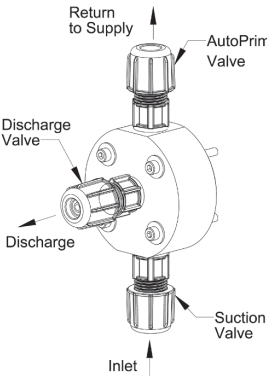
Key Features	E7
Stroke length manually adjustable	✓
Stroke frequency manually adjustable	✓
External control via pulse input	✓
Manual/External mode selection	✓



Multifunction Valve

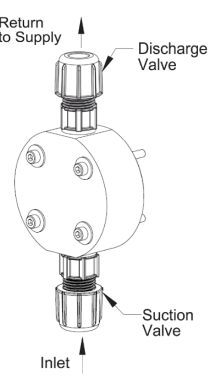
- This diaphragm type, anti-siphon/pressure relief valve is installed on the pump head.
- Can be oriented as required (360°) at precisely the desired position.
- Easier to use thanks to the more user-friendly design of the priming knobs and back pressure valve

Output Code	Max Output		Max Pressure	
	GPH	LPH	PSI	Bar
Series E with Liquipro™				
0	1.3	4.9	300	20.7
1	2.5	9.5	150	10.3
2	4.0	15.1	100	6.9
3	8.0	30.3	60	4.1
4	20.0	76.0	25	1.7
Series E with AutoPrime™				
1	2.3	8.7	150	10.3
2	3.8	14.4	100	6.9
3	7.8	29.5	60	4.1



AutoPrime™

Allows for the constant removal of vapors and gases present in applications like sodium hypochlorite and hydrogen peroxide.



Liquipro™

Standard Liquid End suitable for most applications

What's in the Box

Series E units include:



Tube Connection Hardware



Quick Start Guide



Suction/Discharge Tubing



Injection Check Valve



Foot Valve



Ceramic Weight

Note: Depending on the configuration of the LE, some of the items may not be included in the box.

SERIES E PUMP SELECTION AND PRICING

38

OUTPUT CODE 0

100 SPM Max.

Size Code 0.9

0.0 - 1.3 GPH (0.0 - 4.9 LPH); 300 psi (20.7 bar)

E70										
Drive End										Price
Control										
E70 Pulse Input with Dual Manual Control										\$ 3,982
	Power Code		Voltage			Frequency				
	1		110/120V			50-60 HZ				\$ -
	2		220/240V			50-60 HZ				\$ -
		Liquid End	Head	Fittings	Balls	Valve	Connections Suction/Discharge	Cartridge Valve or Seal Ring	RPM Kit	Pump Price E70
	Liquipro™ Machine									
	498SP	PVC	PVC	Ceramic	FV	Pipe ½" NPT M	PVDF/Polyprel®	RPM-392/398	\$ 509	\$ 4,491
	Legacy LMI									
	297	316 SS	316 SS	316SS	-	Pipe ¼" NPT M	316SS	-	\$ 671	\$ 4,653
E70	1	-498SP								

RPM Kit	Price	Contents
Liquipro™		*O-Rings
RPM-392/398	\$ 165	*Shaft Seal
		*Check Valve Cartridges
		*Hardware kit
		*Liquifram
		*Injection Valve Cartridge

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SERIES E PUMP SELECTION AND PRICING

39

OUTPUT CODE 1

100 SPM Max.

Size Code 1.8

0.0 - 2.5 GPH (0.0 - 9.5 LPH); 150 psi (10.3 bar)

De-gas estimated at 0.00 to 2.3 GPH (0.00 to 8.7 LPH)

E71									
Drive End									Price
Control									
E71 Pulse Input with Dual Manual Control									\$ 3,982
Power Code	Voltage	Frequency							
1	110/120V	50-60 HZ							\$ -
2	220/240V	50-60 HZ							\$ -
Liquid End	Head	Fittings	Balls	Valve	Connections Suction/Discharge	Cartridge Valve or Seal Ring	RPM Kit	Pump Price E71	
Liquipro™ Molded									
362NI	PVDF	PVDF	Ceramic	-	PE 3/8" OD	PVDF / Polyprel®	RPM-362/368	\$ 346	\$ 4,328
362SI	PVDF	PVDF	Ceramic	FV	PE 3/8" OD	PVDF / Polyprel®	RPM-362/368	\$ 438	\$ 4,420
363NI	PVDF	PVDF	Ceramic	-	PE 3/8" OD	PVDF / PTFE	RPM-363	\$ 396	\$ 4,378
363SI	PVDF	PVDF	Ceramic	FV	PE 3/8" OD	PVDF / PTFE	RPM-363	\$ 488	\$ 4,470
368NI	PVC	PVC	Ceramic	-	PE 3/8" OD	PVDF/ Polyprel®	RPM-362/368	\$ 291	\$ 4,273
368SI	PVC	PVC	Ceramic	FV	PE 3/8" OD	PVDF/ Polyprel®	RPM-362/368	\$ 383	\$ 4,365
Liquipro™ Machined									
460NI	Acrylic	PVC	Ceramic	-	PE 3/8" OD	PVDF/ Polyprel®	RPM-362/368	\$ 427	\$ 4,409
460SI	Acrylic	PVC	Ceramic	FV	PE 3/8" OD	PVDF/ Polyprel®	RPM-362/368	\$ 519	\$ 4,501
465NI	PP	PP	Ceramic	-	PE 3/8" OD	PTFE	RPM-465	\$ 430	\$ 4,412
465SI	PP	PP	Ceramic	FV	PE 3/8" OD	PTFE	RPM-465	\$ 522	\$ 4,504
468NI	PVC	PVC	Ceramic	-	PE 3/8" OD	PVDF/ Polyprel®	RPM-362/368	\$ 417	\$ 4,399
468SI	PVC	PVC	Ceramic	FV	PE 3/8" OD	PVDF/ Polyprel®	RPM-362/368	\$ 509	\$ 4,491
469NI	Acrylic	PVDF	PTFE	-	PE 3/8" OD	PVDF/ Polyprel®	RPM-460F	\$ 443	\$ 4,425
469SI	Acrylic	PVDF	PTFE	FV	PE 3/8" OD	PVDF/ Polyprel®	RPM-460F	\$ 535	\$ 4,517
Legacy LMI									
75HV	PP	PP	316 SS	-	PE 1/2" OD / Vinyl 1/2" OD	PTFE	SP-75HV	\$ 533	\$ 4,515
76HV	Acrylic	PP	316 SS	-	PE 1/2" OD / Vinyl 1/2" OD	FKM	SP-76	\$ 533	\$ 4,515
277	316 SS	316 SS	316 SS	-	Pipe 1/4" NPT M	316 SS	-	\$ 671	\$ 4,653
Liquipro™ De-gas									
D60AI	Acrylic	PVC	Ceramic	-	PE 3/8" OD	Polyprel®	RPM-D68	\$ 509	\$ 4,491
D60HI	Acrylic	PVC	Ceramic	FV	PE 3/8" OD	Polyprel®	RPM-D68	\$ 631	\$ 4,613
D68AI	PVC	PVC	Ceramic	-	PE 3/8" OD	Polyprel®	RPM-D68	\$ 499	\$ 4,481
D68HI	PVC	PVC	Ceramic	FV	PE 3/8" OD	Polyprel®	RPM-D68	\$ 621	\$ 4,603
E71	1	-362NI							

RPM Kit	Price	Contents
Liquipro™		
RPM-362/368	\$ 172	*O-Rings
RPM-363	\$ 200	*Shaft Seal
RPM-465	\$ 182	*Check Valve Cartridges
RPM-460F	\$ 182	*Hardware kit
		*Liquifram
		*Injection Valve Cartridge
Legacy LMI		
SP-75HV	\$ 188	*Shaft Seal *Liquifram
SP-76	\$ 177	*Seal Ring Seat *Clamp rings
		*Balls & spring or springs
Liquipro™ De-gas		
RPM-D68	\$ 213	*O Rings *Check Valve Cartridges
		*Shaft Seal *Injection Valve Cartridge
		*Liquifram *AutoPrime Cartridge

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SERIES E PUMP SELECTION AND PRICING

40

OUTPUT CODE 2

100 SPM Max.

Size Code 1.8

0.0 - 4.0 GPH (0.0 - 15.1 LPH); 100 psi (6.9 bar)

De-gas estimated at 0.00 to 3.8 GPH (0.00 to 14.4 LPH)

E72									
Drive End									Price
Control									
E72 Pulse Input with Dual Manual Control									\$ 3,982
Power Code	Voltage	Frequency							
1	110/120V	50-60 HZ							\$ -
2	220/240V	50-60 HZ							\$ -
Liquid End	Head	Fittings	Balls	Valve	Connections Suction/Discharge	Cartridge Valve or Seal Ring	RPM Kit	Pump Price E72	
Liquipro™ Molded									
362NI	PVDF	PVDF	Ceramic	-	PE ¾" OD	PVDF / Polyprel®	RPM-362/368	\$ 346	\$ 4,328
362SI	PVDF	PVDF	Ceramic	FV	PE ¾" OD	PVDF / Polyprel®	RPM-362/368	\$ 438	\$ 4,420
363NI	PVDF	PVDF	Ceramic	-	PE ¾" OD	PVDF / PTFE	RPM-363	\$ 396	\$ 4,378
363SI	PVDF	PVDF	Ceramic	FV	PE ¾" OD	PVDF / PTFE	RPM-363	\$ 488	\$ 4,470
368NI	PVC	PVC	Ceramic	-	PE ¾" OD	PVDF/ Polyprel®	RPM-362/368	\$ 291	\$ 4,273
368SI	PVC	PVC	Ceramic	FV	PE ¾" OD	PVDF/ Polyprel®	RPM-362/368	\$ 383	\$ 4,365
Liquipro™ Machined									
460NI	Acrylic	PVC	Ceramic	-	PE ¾" OD	PVDF/ Polyprel®	RPM-362/368	\$ 427	\$ 4,409
460SI	Acrylic	PVC	Ceramic	FV	PE ¾" OD	PVDF/ Polyprel®	RPM-362/368	\$ 519	\$ 4,501
465NI	PP	PP	Ceramic	-	PE ¾" OD	PTFE	RPM-465	\$ 430	\$ 4,412
465SI	PP	PP	Ceramic	FV	PE ¾" OD	PTFE	RPM-465	\$ 522	\$ 4,504
468NI	PVC	PVC	Ceramic	-	PE ¾" OD	PVDF/ Polyprel®	RPM-362/368	\$ 417	\$ 4,399
468SI	PVC	PVC	Ceramic	FV	PE ¾" OD	PVDF/ Polyprel®	RPM-362/368	\$ 509	\$ 4,491
469NI	Acrylic	PVDF	PTFE	-	PE ¾" OD	PVDF/ Polyprel®	RPM-460F	\$ 443	\$ 4,425
469SI	Acrylic	PVDF	PTFE	FV	PE ¾" OD	PVDF/ Polyprel®	RPM-460F	\$ 535	\$ 4,517
Legacy LMI									
75HV	PP	PP	316 SS	-	PE ½" OD / Vinyl ½" OD	PTFE	SP-75HV	\$ 585	\$ 4,567
76HV	Acrylic	PP	316 SS	-	PE ½" OD / Vinyl ½" OD	FKM	SP-76	\$ 507	\$ 4,489
277	316 SS	316 SS	316 SS	-	Pipe ¼" NPT M	316 SS	-	\$ 1,225	\$ 5,207
Liquipro™ De-gas									
D60AI	Acrylic	PVC	Ceramic	-	PE ¾" OD	Polyprel®	RPM-D68	\$ 509	\$ 4,491
D60HI	Acrylic	PVC	Ceramic	FV	PE ¾" OD	Polyprel®	RPM-D68	\$ 631	\$ 4,613
D68AI	PVC	PVC	Ceramic	-	PE ¾" OD	Polyprel®	RPM-D68	\$ 499	\$ 4,481
D68HI	PVC	PVC	Ceramic	FV	PE ¾" OD	Polyprel®	RPM-D68	\$ 621	\$ 4,603
E72	1	-362NI							

RPM Kit	Price	Contents
Liquipro™		
RPM-362/368	\$ 172	*O-Rings
RPM-363	\$ 200	*Shaft Seal
RPM-465	\$ 182	*Check Valve Cartridges
RPM-460F	\$ 182	*Hardware kit
		*Liquifram
		*Injection Valve Cartridge
Legacy LMI		
SP-75HV	\$ 188	*Shaft Seal *Liquifram
SP-76	\$ 177	*Seal Ring Seat *Clamp rings
		*Balls & spring or springs
Liquipro™ De-gas		
RPM-D68	\$ 213	*O Rings *Check Valve Cartridges
		*Shaft Seal *Injection Valve Cartridge
		*Liquifram *AutoPrime Cartridge

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SERIES E PUMP SELECTION AND PRICING

41

OUTPUT CODE 3

100 SPM Max.

Size Code 3.0

0.0 - 8.0 GPH (0.0 - 30.3 LPH); 60 psi (4.1 bar)

De-gas estimated at 0.00 to 7.8 GPH (0.00 to 29.5 LPH)

E73									
Drive End									Price
Control									
E73 Pulse Input with Dual Manual Control									\$ 3,982
Power Code	Voltage	Frequency							
1	110/120V	50-60 HZ							\$ -
2	220/240V	50-60 HZ							\$ -
Liquid End	Head	Fittings	Balls	Valve	Connections Suction/Discharge	Cartridge Valve or Seal Ring	RPM Kit	Pump Price E73	
Liquipro™ Molded		These liquid ends use 3/8 diameter valve balls. Pump output may be reduced in some applications.							
312NI	PVDF	PVDF	Ceramic	-	PE ½" OD	PVDF / Polyprel®	RPM-312/318	\$ 482	\$ 4,464
312SI	PVDF	PVDF	Ceramic	FV	PE ½" OD	PVDF / Polyprel®	RPM-312/318	\$ 574	\$ 4,556
313NI	PVDF	PVDF	Ceramic	-	PE ½" OD	PVDF / PTFE	RPM-313	\$ 532	\$ 4,514
313SI	PVDF	PVDF	Ceramic	FV	PE ½" OD	PVDF / PTFE	RPM-313	\$ 624	\$ 4,606
318NI	PVC	PVC	Ceramic	-	PE ½" OD	PVDF/ Polyprel®	RPM-312/318	\$ 427	\$ 4,409
318SI	PVC	PVC	Ceramic	FV	PE ½" OD	PVDF/ Polyprel®	RPM-312/318	\$ 519	\$ 4,501
Liquipro™ Machined									
410NI	Acrylic	PVC	Ceramic	-	PE ½" OD	PVDF/ Polyprel®	RPM-410F	\$ 563	\$ 4,545
410SI	Acrylic	PVC	Ceramic	FV	PE ½" OD	PVDF/ Polyprel®	RPM-410F	\$ 655	\$ 4,637
415NI	PP	PP	Ceramic	-	PE ½" OD	PTFE	RPM-415	\$ 566	\$ 4,548
415SI	PP	PP	Ceramic	FV	PE ½" OD	PTFE	RPM-415	\$ 658	\$ 4,640
418NI	PVC	PVC	Ceramic	-	PE ½" OD	PVDF/ Polyprel®	RPM-312/318	\$ 553	\$ 4,535
418SI	PVC	PVC	Ceramic	FV	PE ½" OD	PVDF/ Polyprel®	RPM-312/318	\$ 645	\$ 4,627
419NI	Acrylic	PVDF	PTFE	-	PE ½" OD	PVDF/ Polyprel®	RPM-410F	\$ 579	\$ 4,561
419SI	Acrylic	PVDF	PTFE	FV	PE ½" OD	PVDF/ Polyprel®	RPM-410F	\$ 671	\$ 4,653
Legacy LMI									
20	Acrylic	PVC	Ceramic	-	PE ½" OD / Vinyl ½" OD	FKM	SP-20	\$ 583	\$ 4,565
20HV	Acrylic	PP	316 SS	-	PE ½" OD / Vinyl ½" OD	FKM	SP-20HV	\$ 700	\$ 4,682
20S	Acrylic	PVC	Ceramic	FV	PE ½" OD / Vinyl ½" OD	FKM	SP-20	\$ 724	\$ 4,706
24	PVC	PVC	Ceramic	-	PE ½" OD / Vinyl ½" OD	PTFE	SP-U5	\$ 630	\$ 4,612
25HV	PP	316SS	316 SS	-	PE ½" OD / Vinyl ½" OD	PTFE	SP-25HV	\$ 700	\$ 4,682
26	PVC	PVC	Ceramic	-	PE ½" OD / Vinyl ½" OD	FKM	SP-26	\$ 577	\$ 4,559
26S	PVC	PVC	Ceramic	FV	PE ½" OD / Vinyl ½" OD	FKM	SP-26	\$ 719	\$ 4,701
27	316 SS	316 SS	316 SS	-	Pipe ½" NPT M	PTFE	SP-27	\$ 1,864	\$ 5,846
Liquipro™ De-gas									
D10AI	Acrylic	PVC	Ceramic	-	PE ½" OD	Polyprel®	RPM-D18	\$ 645	\$ 4,627
D10HI	Acrylic	PVC	Ceramic	FV	PE ½" OD	Polyprel®	RPM-D18	\$ 767	\$ 4,749
D18AI	PVC	PVC	Ceramic	-	PE ½" OD	Polyprel®	RPM-D18	\$ 635	\$ 4,617
D18HI	PVC	PVC	Ceramic	FV	PE ½" OD	Polyprel®	RPM-D18	\$ 757	\$ 4,739
E73	1	-312NI							

RPM Kit	Price	Contents
Liquipro™		
RPM-312/318	\$ 177	*O-Rings
RPM-313	\$ 213	*Shaft Seal
RPM-415	\$ 195	*Check Valve Cartridges
RPM-410F	\$ 195	*Hardware kit
		*Liquifram
		*Injection Valve Cartridge
Legacy LMI		
SP-20	\$ 165	
SP-20HV	\$ 213	*Shaft Seal
SP-20	\$ 165	*Liquifram
SP-U5	\$ 247	*Seal Ring Seat
SP-25HV	\$ 213	*Clamp rings
SP-26	\$ 258	*Balls & spring or springs
SP-27	\$ 200	

RPM Kit	Price	Contents
Liquipro™ De-gas		
RPM-D18	\$ 223	*O Rings
		*Shaft Seal
		*Liquifram
		*Check Valve Cartridges
		*Injection Valve Cartridge
		*AutoPrime Cartridge

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SERIES E PUMP SELECTION AND PRICING

42

OUTPUT CODE 4

100 SPM Max.

Size Code 6.0

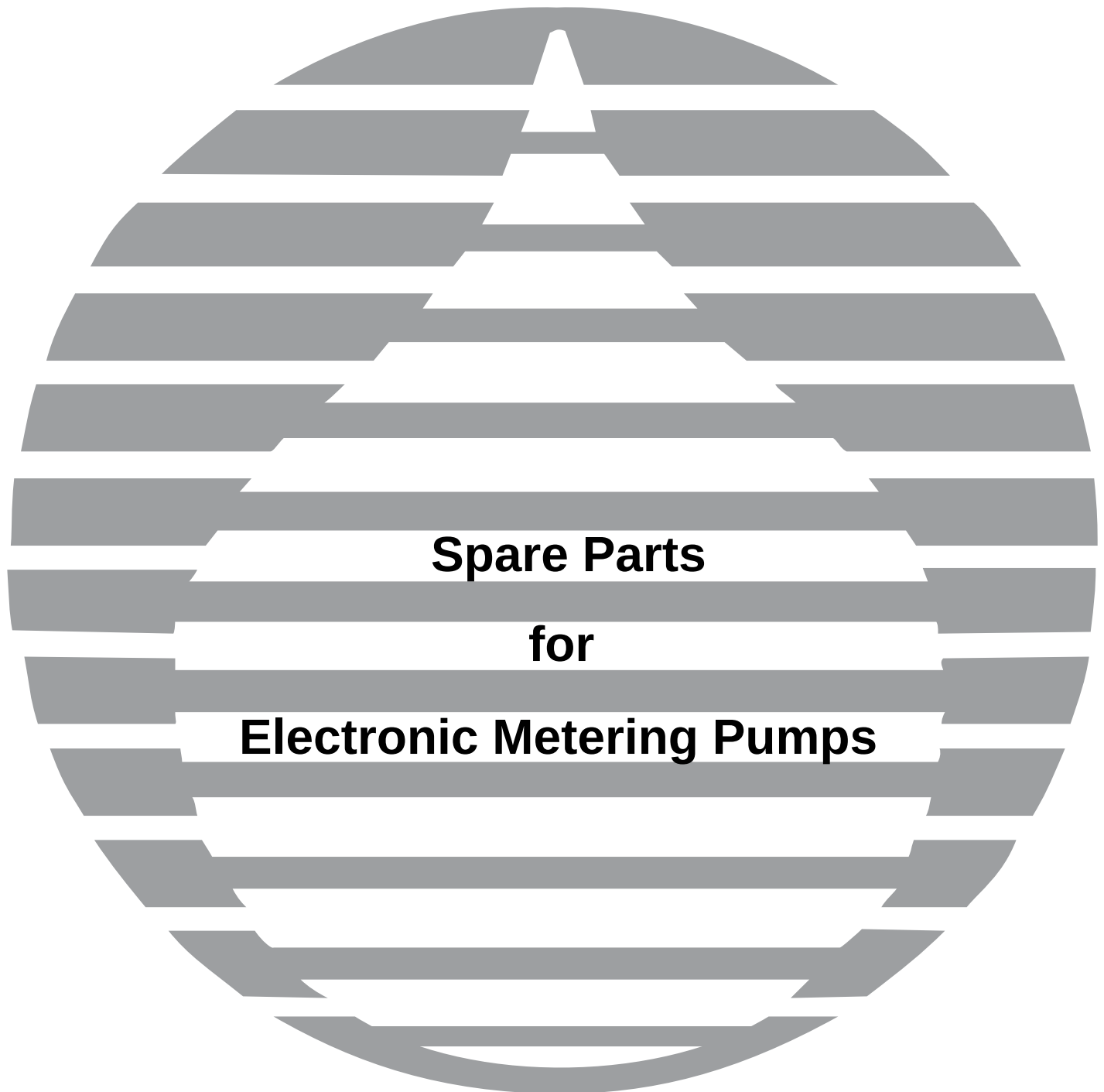
0.0 - 20 GPH (0.0 - 75.7 LPH); 25 psi (1.7 bar)

E74									
Drive End								Price	
Control									
E74 Pulse Input with Dual Manual Control								\$	4,165
Power Code		Voltage		Frequency					
1		110/120V		50-60 HZ				\$	-
2		220/240V		50-60 HZ				\$	-
		Liquid End	Head	Fittings	Balls	Seal Ring	Tubing & Connections Suction / Discharge	RPM Kit	Pump Price E74
Legacy LMI									
30		Acrylic		PVC	Ceramic	PTFE	PE ½" OD / Vinyl ½" OD	SP-U6	\$ 740 \$ 4,905
34		PVC		PVC	Ceramic	PTFE	Pipe ½" NPT M	SP-U6	\$ 788 \$ 4,953
35P		PP		PP	Ceramic	PTFE	Pipe ½" NPT M	SP-U6	\$ 829 \$ 4,994
35T		PP		PP	Ceramic	PTFE	PE .5" OD	SP-U6	\$ 772 \$ 4,937
36		PVC		PVC	Ceramic	PTFE	PE .5" OD	SP-U6	\$ 733 \$ 4,898
37		316 SS		316 SS	316 SS	PTFE	Pipe ½" NPT M	SP-37	\$ 2,069 \$ 6,234
E74	1	-30							

RPM Kit	Price	Contents
Legacy LMI		
SP-U6	\$ 293	*Shaft Seal
SP-37	\$ 223	*Liquifram
		*Seal Ring Seat
		*Clamp rings
		*Balls & spring or springs

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Spare Parts

for

Electronic Metering Pumps

FASTPRIME® - RPM Kits

RPM Kit	For Liquid End Assembly	Price
RPM-708	708xx	\$ 136
RPM-718	718xx	\$ 136
RPM-728	728xx	\$ 141
RPM-738	738xx	\$ 147
RPM-748	748xx	\$ 154
RPM-812	812xx,818xx,910Nx,910Sx,918Nx,918Sx	\$ 160
RPM-813	813xx, 915xx	\$ 177
RPM-822	822xx,828xx,920Nx,920Sx,928Nx,928Sx	\$ 165
RPM-823	823xx, 925xx	\$ 188
RPM-832	832xx,838xx,930Nx,930Sx,938Nx,938Sx	\$ 172
RPM-833	833xx, 935xx	\$ 200
RPM-842	842xx,848xx,940Nx,940Sx,948Nx,948Sx	\$ 177
RPM-843	843xx, 945xx	\$ 213
RPM-907	907NP	\$ 305
RPM-917	917NP	\$ 305
RPM-919	919xx	\$ 160
RPM-927	927NP	\$ 318
RPM-929	929xx	\$ 165
RPM-937	937NP	\$ 329
RPM-939	939xx	\$ 172
RPM-947	947NP	\$ 341
RPM-949	949xx	\$ 177

High Viscosity - RPM Kits

RPM Kit	For Liquid End Assembly	Price
RPM-624	624xx	\$ 154
RPM-626	626xx	\$ 154
RPM-634	634xx	\$ 165
RPM-636	636xx	\$ 165
RPM-644	644xx	\$ 177
RPM-646	646xx	\$ 177

Legacy LMI - Spare Part Kits

RPM Kit	For Liquid End Assembly	Price
SP-U1	81S, 81T, 82T, 85S, 85T, 91S, 91T, 92S, 92T, 94, 94S, 95S, 95T, 196, 196S	\$ 188
SP-U2	65, 65S, 71S, 71T, 72S, 72S, 72T, 74, 74S, 75S, 75T	\$ 188
SP-U3	81FS, 91FS	\$ 188
SP-U4	71FS	\$ 188
SP-U5	24, 25P, 25T	\$ 247
SP-U6	30, 30S, 32, 34, 35P, 35T, 36, 36S	\$ 293
SP-U7	190, 190S, 191, 191S, 192, 192S, 193, 193S, 198, 198S	\$ 188
SP-U8	150, 150S, 151, 151P, 151S, 152, 152S, 158	\$ 188
SP-U9	155, 155P, 155S	\$ 188
SP-U10	61, 62, 62S, 161, 162, 168, 168S, 171, 171S, 172, 172S	\$ 188
SP-U17	12, 12S, 112, 112S, 118, 118S	\$ 213
SP-15	15, 15S	\$ 213
SP-20	20, 20S	\$ 165
SP-20HV	20HV	\$ 213
SP-25HV	25HV, 20PB, 20PBA	\$ 213
SP-26	26, 26S	\$ 258
SP-27	27	\$ 200
SP-29	29	\$ 213
SP-30HV	30HV	\$ 191

LIQUIPRO™ - RPM Kits

RPM Kit	For Liquid End Assembly	Price
RPM-312/318	312xx, 318xx, 410xx, 418xx	\$ 177
RPM-313	313xx	\$ 213
RPM-352/358	352xx, 358xx, 450xx, 458xx	\$ 160
RPM-353	353xx	\$ 177
RPM-362/368	362xx, 368xx, 460xx, 468xx	\$ 172
RPM-363	363xx	\$ 200
RPM-392/398	392xx, 398xx, 490xx, 498xx	\$ 165
RPM-393	393xx	\$ 188
RPM-410F	410xx, 419xx	\$ 195
RPM-415	415xx	\$ 195
RPM-450F	450xx, 459xx	\$ 160
RPM-455	455xx	\$ 160
RPM-460F	460xx, 469xx	\$ 182
RPM-465	465xx	\$ 182
RPM-490F	490xx, 499xx	\$ 172
RPM-495	495xx	\$ 172
RPM-D18	D10xx, D18xx	\$ 223
RPM-D58	D50xx, D58xx,	\$ 188
RPM-D68	D60xx, D68xx	\$ 213
RPM-D98	D90xx, D98xx	\$ 200

AUTOPRIME® De-gas - RPM Kits

RPM Kit	For Liquid End Assembly	Price
RPM-910A	910Ax, 910Hx, 918Ax, 918Hx	\$ 182
RPM-920A	920Ax, 920Hx, 928Ax, 928Hx	\$ 188
RPM-930A	930Ax, 930Hx, 938Ax, 938Hx	\$ 195
RPM-A10A	A10Ax, A10Hx, A18Ax, A18Hx	\$ 188
RPM-A20A	A20Ax, A20Hx, A28Ax, A28Hx	\$ 200
RPM-A30A	A30Ax, A30Hx, A38Ax, A38Hx	\$ 213
RPM-A40A	A40Ax, A40Hx, A48Ax, A48Hx	\$ 223

Legacy LMI - Spare Parts Kits

RPM Kit	For Liquid End Assembly	Price
SP-35HV	35HV	\$ 213
SP-37	37	\$ 223
SP-66PB	66PB	\$ 188
SP-75HV	75HV	\$ 188
SP-75V	75V	\$ 188
SP-76	76HV	\$ 177
SP-76PB	76PB	\$ 188
SP-77	77	\$ 188
SP-79	79	\$ 188
SP-85HV	85HV, 86PBA	\$ 188
SP-86	86HV	\$ 177
SP-86PB	86PB	\$ 188
SP-89	89	\$ 188
SP-92V	92V	\$ 188
SP-97	97	\$ 188
SP-151FS	151FS	\$ 188
SP-155HV	155HV, 156PB, 156PBA	\$ 188
SP-156	156HV	\$ 188
SP-157	157	\$ 188
SP-987	987	\$ 1,031

PUMP DRIVE ASSEMBLIES

Drive	Size Code	Max Output		Max Pressure		Price
		GPH	LPH	PSI	Bar	
Series PD						
PD01x	0	0.10 to 0.25	0.38 to 0.95	450	30.6	\$ 369
PD71x	0	0.10 to 0.25	0.38 to 0.95	450	30.6	\$ 626
PD04x	2	0.35 to 0.68	1.32 to 2.60	250	17.3	\$ 369
PD74x	2	0.35 to 0.68	1.32 to 2.60	250	17.3	\$ 626
PD05x	3	0.80 to 1.10	3.00 to 4.20	150	10.3	\$ 369
PD75x	3	0.80 to 1.10	3.00 to 4.20	150	10.3	\$ 626
PD06x	4	1.70 to 1.85	6.40 to 7.60	70	4.8	\$ 369
PD76x	4	1.70 to 1.85	6.40 to 7.60	70	4.8	\$ 626
EXCEL AD						
AD21x	1	0.002 to 0.21	0.01 to 0.8	250	17.2	\$ 815
AD24x	2	0.005 to 0.50	0.02 to 1.9	250	17.2	\$ 815
AD25x	3	0.010 to 1.00	0.04 to 3.8	110	7.6	\$ 814
AD26x	4	0.020 to 2.00	0.08 to 7.6	50	3.4	\$ 857
AD81x	1	0.002 to 0.21	0.01 to 0.8	250	17.2	\$ 1,053
AD84x	2	0.005 to 0.50	0.02 to 1.9	250	17.2	\$ 1,053
AD85x	3	0.010 to 1.00	0.04 to 3.8	110	7.6	\$ 1,052
AD86x	4	0.020 to 2.00	0.08 to 7.6	50	3.4	\$ 1,095
AD91x	1	0.002 to 0.21	0.01 to 0.8	250	17.2	\$ 1,329
AD94x	2	0.005 to 0.50	0.02 to 1.9	250	17.2	\$ 1,329
AD95x	3	0.010 to 1.00	0.04 to 3.8	110	7.6	\$ 1,328
AD96x	4	0.020 to 2.00	0.08 to 7.6	50	3.4	\$ 1,371
SERIES B						
B11x	0.9	0.01 to 1.60	0.05 to 6.10	150	10.3	\$ 1,074
B12x	0.9	0.01 to 2.50	0.05 to 9.50	100	6.9	\$ 1,074
B13x	1.8	0.02 to 4.50	0.09 to 17.0	50	3.4	\$ 1,074
B14x	3.0	0.04 to 7.00	0.13 to 26.5	30	2.07	\$ 1,148
B71x	0.9	0.00 to 1.60	0.00 to 6.10	150	10.3	\$ 1,206
B72x	0.9	0.00 to 2.50	0.00 to 9.50	100	6.9	\$ 1,206
B73x	1.8	0.00 to 4.50	0.00 to 17.0	50	3.4	\$ 1,206
B74x	3.0	0.00 to 7.00	0.00 to 26.5	30	2.07	\$ 1,280
B91x	0.9	0.00 to 1.60	0.00 to 6.10	150	10.3	\$ 1,626
B92x	0.9	0.00 to 2.50	0.00 to 9.50	100	6.9	\$ 1,626
B93x	1.8	0.00 to 4.50	0.00 to 17.0	50	3.4	\$ 1,626
B94x	3.0	0.00 to 7.00	0.00 to 26.5	30	2.07	\$ 1,700

Drive	Size Code	Max Output		Max Pressure		Price
		GPH	LPH	PSI	Bar	
SERIES C						
C10x	0.9	0.01 to 1.30	0.03 to 4.90	300	20.7	\$ 1,529
C11x	1.8	0.01 to 2.50	0.05 to 9.50	150	10.3	\$ 1,529
C12x	1.8	0.02 to 4.00	0.08 to 15.1	100	6.9	\$ 1,529
C13x	3.0	0.05 to 8.00	0.17 to 30.3	60	4.1	\$ 1,529
C14x	6.0	0.1 to 20.00	0.38 to 76.0	25	1.8	\$ 1,709
C70x	0.9	0.00 to 1.30	0.00 to 4.90	300	20.7	\$ 1,654
C71x	1.8	0.00 to 2.50	0.00 to 9.50	150	10.3	\$ 1,654
C72x	1.8	0.00 to 4.00	0.00 to 15.1	100	6.9	\$ 1,654
C73x	3.0	0.00 to 8.00	0.00 to 30.3	60	4.1	\$ 1,654
C74x	6.0	0.00 to 20.0	0.00 to 76.0	25	1.8	\$ 1,834
C76x	1.8	0.00 to 4.00	0.00 to 15.1	175	12.1	\$ 1,957
C77x	3.0	0.00 to 10.0	0.00 to 38.0	80	5.5	\$ 1,957
C78x	6.0	0.00 to 25.0	0.00 to 95.0	30	2.07	\$ 2,142
C90x	0.9	0.00 to 1.30	0.00 to 4.90	300	20.7	\$ 2,089
C91x	1.8	0.00 to 2.50	0.00 to 9.50	150	10.3	\$ 2,089
C92x	1.8	0.00 to 4.00	0.00 to 15.1	100	6.9	\$ 2,089
C93x	3.0	0.00 to 8.00	0.00 to 30.3	60	4.1	\$ 2,089
C94x	6.0	0.00 to 20.0	0.00 to 76.0	25	1.8	\$ 2,269
SERIES E						
E70x	0.9	0.00 to 1.30	0.00 to 4.90	300	20.7	\$ 3,982
E71x	1.8	0.00 to 2.50	0.00 to 9.50	150	10.3	\$ 3,982
E72x	1.8	0.00 to 4.00	0.00 to 15.1	100	6.9	\$ 3,982
E73x	3.0	0.00 to 8.00	0.00 to 30.3	60	4.1	\$ 3,982
E74x	6.0	0.00 to 20.0	0.00 to 76.0	25	1.7	\$ 4,165

To complete the Drive, change the "x" to one of the following:

- 1- 120 V AC USA Plug
- 2- 240 V AC USA Plug (not for export)
- 3- 220-240V AC, DIN plug
- 5- 240-250V AC, UK Plug
- 6- 240-250V AC, Aust/NZ Plug

LIQUID END ASSEMBLIES (LE's)

FASTPRIME™ Molded

Liquid End	Size Code	Price
LE-812NI	1	\$ 320
LE-812SI	1	\$ 412
LE-813NI	1	\$ 370
LE-813SI	1	\$ 462
LE-818NI	1	\$ 267
LE-818SI	1	\$ 359
LE-822NI	2*	\$ 336
LE-822SI	2*	\$ 428
LE-823NI	2*	\$ 386
LE-823SI	2*	\$ 478
LE-828NI	2*	\$ 283
LE-828SI	2*	\$ 375
LE-832NI	3	\$ 336
LE-832SI	3	\$ 428
LE-833NI	3	\$ 386
LE-833SI	3	\$ 478
LE-838NI	3	\$ 283
LE-838SI	3	\$ 375
LE-842NI	4	\$ 336
LE-842SI	4	\$ 428
LE-843NI	4	\$ 386
LE-843SI	4	\$ 478
LE-848NI	4	\$ 283
LE-848SI	4	\$ 375

FASTPRIME™ Machined

Liquid End	Size Code	Price
LE-907NP	0	\$ 640
LE-910NI	1	\$ 402
LE-910SI	1	\$ 494
LE-915NI	1	\$ 405
LE-915SI	1	\$ 497
LE-917NP	1	\$ 640
LE-918NI	1	\$ 392
LE-918SI	1	\$ 484
LE-919NI	1	\$ 416
LE-919SI	1	\$ 508
LE-920NI	2*	\$ 418
LE-920SI	2*	\$ 510
LE-925NI	2*	\$ 421
LE-925SI	2*	\$ 513
LE-927NP	2*	\$ 656
LE-928NI	2*	\$ 408
LE-928SI	2*	\$ 500
LE-929NI	2*	\$ 432
LE-929SI	2*	\$ 524
LE-930NI	3	\$ 418
LE-930SI	3	\$ 510
LE-935NI	3	\$ 421
LE-935SI	3	\$ 513
LE-937NP	3	\$ 656
LE-938NI	3	\$ 408
LE-938SI	3	\$ 500
LE-939NI	3	\$ 432
LE-939SI	3	\$ 524
LE-940NI	4	\$ 418
LE-940SI	4	\$ 510
LE-945NI	4	\$ 421
LE-945SI	4	\$ 513
LE-947NP	4	\$ 656
LE-948NI	4	\$ 408
LE-948SI	4	\$ 500
LE-949NI	4	\$ 432
LE-949SI	4	\$ 524

AUTOPRIME™ De-gas

For off-gassing fluids

Liquid End	Size Code	Price
LE-A10AI	1	\$ 482
LE-A10HI	1	\$ 604
LE-A18AI	1	\$ 472
LE-A18HI	1	\$ 594
LE-A20AI	2	\$ 498
LE-A20HI	2	\$ 620
LE-A28AI	2	\$ 488
LE-A28HI	2	\$ 610
LE-A30AI	3	\$ 498
LE-A30HI	3	\$ 620
LE-A38AI	3	\$ 488
LE-A38HI	3	\$ 610
LE-A40AI	4	\$ 498
LE-A40HI	4	\$ 620
LE-A48AI	4	\$ 488
LE-A48HI	4	\$ 610

AUTOPRIME™ (for Roytronic A)

Liquid End	Size Code	Price
LE-910AI	1	\$ 482
LE-910HI	1	\$ 604
LE-918AI	1	\$ 472
LE-918HI	1	\$ 594
LE-920AI	2	\$ 498
LE-920HI	2	\$ 620
LE-928AI	2	\$ 488
LE-928HI	2	\$ 610
LE-930AI	3	\$ 498
LE-930HI	3	\$ 620
LE-938AI	3	\$ 488
LE-938HI	3	\$ 610

*** NOTE for Size Code 2:**
When ordering SC 2 LE, please append:
-150 for 150 psi version (Roytronic A)
-250 for 250 psi for (PD & Excel AD)
e.g. LE-928NI-250

If not specified, LMI will default to -250

High Viscosity

Liquid End	Size Code	Price
LE-624VI	2	\$ 508
LE-624VP	2	\$ 508
LE-624PI	2	\$ 541
LE-624PP	2	\$ 541
LE-626VI	2	\$ 505
LE-634VI	3	\$ 508
LE-634VP	3	\$ 508
LE-634PI	3	\$ 541
LE-634PP	3	\$ 541
LE-636VI	3	\$ 505
LE-644VI	4	\$ 508
LE-644VP	4	\$ 508
LE-644PI	4	\$ 541
LE-644PP	4	\$ 541
LE-646VI	4	\$ 505
LE-646VP	4	\$ 505

LIQUIPRO™ Molded

Liquid End	Size Code	Price
LE-312NI	3.0	\$ 482
LE-312SI	3.0	\$ 574
LE-313NI	3.0	\$ 532
LE-313SI	3.0	\$ 624
LE-318NI	3.0	\$ 427
LE-318SI	3.0	\$ 519
LE-352NI	0.5	\$ 328
LE-352SI	0.5	\$ 420
LE-353NI	0.5	\$ 378
LE-353SI	0.5	\$ 470
LE-358NI	0.5	\$ 273
LE-358SI	0.5	\$ 365
LE-362NI	1.8	\$ 346
LE-362SI	1.8	\$ 438
LE-363NI	1.8	\$ 396
LE-363SI	1.8	\$ 488
LE-368NI	1.8	\$ 291
LE-368SI	1.8	\$ 383
LE-392NI	0.9	\$ 346
LE-392SI	0.9	\$ 438
LE-393NI	0.9	\$ 396
LE-393SI	0.9	\$ 488
LE-398NI	0.9	\$ 291
LE-398SI	0.9	\$ 383

LIQUIPRO™ Machined

Liquid End	Size Code	Price
LE-410NI	3.0	\$ 563
LE-410SI	3.0	\$ 655
LE-418NI	3.0	\$ 553
LE-418SI	3.0	\$ 645
LE-419SI	3.0	\$ 671
LE-450NI	0.5	\$ 409
LE-450SI	0.5	\$ 501
LE-455NI	0.5	\$ 412
LE-455SI	0.5	\$ 504
LE-458NI	0.5	\$ 399
LE-458SI	0.5	\$ 491
LE-459SI	0.5	\$ 517
LE-460NI	1.8	\$ 427
LE-460SI	1.8	\$ 519
LE-465NI	1.8	\$ 430
LE-465SI	1.8	\$ 522
LE-468NI	1.8	\$ 417
LE-468SI	1.8	\$ 509
LE-469SI	1.8	\$ 535
LE-490NI	0.9	\$ 427
LE-490SI	0.9	\$ 519
LE-495NI	0.9	\$ 430
LE-495SI	0.9	\$ 522
LE-498NI	0.9	\$ 417
LE-498SI	0.9	\$ 509
LE-499SI	0.9	\$ 535

LIQUIPRO De-gas

For off-gassing fluids

Liquid End	Size Code	Price
LE-D10AI	3.0	\$ 645
LE-D10HI	3.0	\$ 767
LE-D18AI	3.0	\$ 635
LE-D18HI	3.0	\$ 757
LE-D50AI	0.5	\$ 491
LE-D50HI	0.5	\$ 613
LE-D58AI	0.5	\$ 481
LE-D58HI	0.5	\$ 603
LE-D60AI	1.8	\$ 509
LE-D60HI	1.8	\$ 631
LE-D68AI	1.8	\$ 499
LE-D68HI	1.8	\$ 621
LE-D90AI	0.9	\$ 509
LE-D90HI	0.9	\$ 631
LE-D98AI	0.9	\$ 499
LE-D98HI	0.9	\$ 621

Legacy LMI Liquid Ends

Liquid End	Size Code	Price
LE-20HV	3.0	\$ 700
LE-20S	3.0	\$ 724
LE-24	3.0	\$ 630
LE-25HV	3.0	\$ 700
LE-25P	3.0	\$ 670
LE-25T	3.0	\$ 533
LE-26	3.0	\$ 577
LE-26S	3.0	\$ 719
LE-27	3.0	\$ 1,864
LE-30	6.0	\$ 740
LE-30HV	6.0	\$ 857
LE-30S	6.0	\$ 885
LE-34	6.0	\$ 788
LE-35HV	6.0	\$ 857
LE-35P	6.0	\$ 829
LE-35T	6.0	\$ 772
LE-36	6.0	\$ 733
LE-36S	6.0	\$ 877
LE-37	6.0	\$ 2,069
LE-75HV	1.8	\$ 533
LE-76HV	1.8	\$ 533
LE-85HV	0.9	\$ 533
LE-86HV	0.9	\$ 533
LE-155HV	0.5	\$ 518
LE-156HV	0.5	\$ 518
LE-217	3.0	\$ 671
LE-257	0.5	\$ 653
LE-277	1.8	\$ 671
LE-297	0.9	\$ 671

NOTE: EXCEL™ XR and Series G liquid ends are detailed in their respective sections

Agitators		
Part No.	Description	Price
34504	Agitator, 27" SS Shaft & Impeller, 230V	\$ 681
27591	Agitator, 27" SS Shaft & Impeller, 115V	\$ 662
10590	Agitator, 34" SS Shaft & Impeller, 115V	\$ 683
25290	Agitator, 34" SS Shaft & Impeller, 230V	\$ 695
25292	Agitator, 34" SS Shaft, Neoprene® Impeller, 230V	\$ 801
26579	Flange, Agitator Mounting	\$ 86
26576	Motor, Agitator 115V	\$ 566
26577	Shaft ASM, Agitator 35"	\$ 235

Corp Stop and Nozzle Assembly		
Part No.	Description	Price
49290	1" Mueller Bronze Corp Stop Assembly with PP Nozzle Assembly (replaces P/N 27741)	\$ 399
49288	1" NPT Bronze Corp Stop with PP Nozzle Assembly (replaces P/N 10741)	\$ 446
49287	3/4" NPT Bronze Corp Stop Assembly with CPVC Nozzle Assembly (replaces P/N 10998)	\$ 411
10786-1	COUPLING, 1/2" NPT	\$ 53
30897	Cable ASM, CORP STOP 1" STD	\$ 60
30896	Cable ASM, CORP STOP 3/4	\$ 39
25335	NOZZLE ASM, CORP STOP	\$ 81

Fluoride Saturator		
Part No.	Description	Price
28850	Upflow Fluoride Saturator with 50 Gallon Tank	\$ 3,218
27161	Cover ASM, Saturator	\$ 2,749
10968	Distributor ASM, Saturator	\$ 324
28291	Switch ASM, LEVEL-Saturator	\$ 308
10847-1	Strainer, Fluoride Saturator	\$ 103
10828	Valve, Solenoid	\$ 304

Liquid Level and Low Level Switches		
Part No.	Description	Price
29190	Liquid Level Shutoff Switch for Series B7, C7	\$ 126
27417	LL Switch Asm w/Outlets for P&A - 35 Gal Tank, 115V	\$ 574
26731	LL Switch Asm w/Outlets for P&A - 50 Gal Tank, 115V	\$ 611
26732	LL Switch Asm w/Outlets for P&A - 50 Gal Tank, 230V, US Plug	\$ 636
33510	LL Switch Asm w/Outlets for P&A - 50 Gal Tank, 230V, US Plug	\$ 586
49246	Low Level Shutoff Switch for Excel AD2	\$ 283
49249	Switch, Dual Liquid Level - Excel AD8 & AD9	\$ 345

Tank Assemblies and Accessories		
Part No.	Description	Price
27421	*Tank Assembly, 10 Gallon	\$ 236
27400	*Tank Assembly, 35 Gallon (Flooded Suction)	\$ 574
26900	TANK ASM, Saturator	\$ 416
26350	*Tank Assembly, 50 Gallon	\$ 492
26637	Cover Tank, 50 Gallon	\$ 170
26350-1	*Tank with Cover, Drilled for Agitator	\$ 516
27300	Valve, 1/4 Angle PVC	\$ 247

*Note: Tanks are yellow UV Resistant PE

MFV Spare Part and Retrofit Kits		
Part No.	Description	Price
57708	MFV Spare Kit, 150 PSI, 1/2" NPT, Polyprel®	\$ 92
57709	MFV Spare Kit, 150 PSI, 1/2" NPT, PTFE	\$ 92
57710	MFV Spare Kit, 250 PSI, 1/2" NPT, Polyprel®	\$ 92
57711	MFV Spare Kit, 250 PSI, 1/2" NPT, PTFE	\$ 92
57706	MFV Retrofit Kit, 150 PSI	\$ 126
57707	MFV Retrofit Kit, 250 PSI	\$ 126
58062	MFV Pro Spare Kit, 150 PSI, 1/2" NPT, Polyprel®	\$ 230
58064	MFV Pro Spare Kit, 250 PSI, 1/2" NPT, Polyprel®	\$ 230
58060	MFV Pro Retrofit Kit, 150 PSI	\$ 265
58061	MFV Pro Retrofit Kit, 250 PSI	\$ 265

Calibration Cylinders		
Part No.	Description	Price
35643	Calibration Cylinder, 200 ml, Sealed Top	\$ 188
35644	Calibration Cylinder, 1000 ml, Sealed Top	\$ 207
35645	Calibration Cylinder, 200 ml, EZ Clean	\$ 143
35710	Calibration Cylinder, 1000 ml, EZ Clean	\$ 199
35861	Calibration Cylinder, 4000 ml, EZ Clean	\$ 429

Digi-Pulse Flow Monitors		
Part No.	Description	Price
FM-250	Digi-Pulse Flow Monitor for Legacy Liquid Ends with 3/8" Check Balls. Replaces FM-200, FM-201, FM-202, FM-203, FM-204	\$ 374
FM-259	Same as FM-250 w/ 3.5mm connector. Replaces FM-200-9	\$ 413
FM-350	For Legacy Liquid Ends with 1/2" Check Balls. Replaces FM-301 & FM-302	\$ 403
FM-359	Same as FM-350 w/ 3.5mm connector. Replaces FM-301-9 & FM302-9	\$ 413
FM-450	For 300 and 400 series LIQUIPRO liquid ends. Replaces FM-PRO	\$ 374
FM-459	Same as FM-450 w/ 3.5 mm connector. Replaces FM-PRO-9	\$ 413
FM-850	For 800 and 900 series Fastprime liquid ends. Replaces FM-ROY	\$ 374
FM-859	Same as FM-850 w/ 3.5mm connect. Replaces FM-	\$ 413
FM-879	Same as FM-850 w/ 4 pin connector. Replaces FM-RO'	\$ 489
33256	Magnet, Digipulse	\$ 59
55796	Reed Switch TRANSMITTER W/ 3.5MM CONNEX.	\$ 110
55789	Reed Switch TRANSMITTER W/ 4 PIN CONNECT.	\$ 123
55787	Reed Switch TRANSMITTER W/ FLYING LEADS	\$ 44

Micropace™ Control Modules		
Part No.	Description	Price
MP-100	Analog to Digital converter	\$ 283
MP-400D	4 Digit Divider	Obsolete
MP-500M	4 Digit Multiplier	Obsolete

Remote Programmable Divider		
Part No.	Description	Price
31271	DIVIDER ASM, PD-4	\$ 551

Remote Programmable Flowmeter - Pulsers		
Part No.	Description	Price
RFP-075	0.22 to 22 GPM (0.83 to 83 l/m), 3/4" NPT	\$ 1,033
59235	Flowmeter, RFP-075	\$ 459
RFP-100	0.44 to 52 GPM (1.7 to 196 l/m), 1" NPT	\$ 1,182
59236	Flowmeter, RFP-100	\$ 918
RFP-150	0.88 to 88 GPM (3.3 to 333 l/m), 1.5" NPT	\$ 1,720
59237	Flowmeter, RFP-150	\$ 1,125
RFP-200	1.75 to 130 GPM (7.5 to 499 l/m), 2" NPT	\$ 2,129
59238	Flowmeter, RFP-200	\$ 1,720
34566	FLOW CONTROLLER	\$ 850
59239	SENSOR ASM, RFP-075,100,150,200	\$ 165

4FV Valve Assemblies		
Part No.	Description	Price
34626	Valve ASM, 4FV 1/2" Ball, PTFE	\$ 172
34627	Valve ASM, 4FV 1/2" Ball, Polyprel®	\$ 172

Suction Check Valves & Assemblies		
Part No.	Description	Price
48684	Suction Check Valve	\$ 53
48681	Suction Check Valve	\$ 66
48679	Suction Check Valve	\$ 90
48676	Suction Check Valve, 728, 738,	\$ 39
48677	Suction Check Valve, 812	\$ 53
48678	Suction Check Valve, 813	\$ 51
48680	Suction Check Valve, 823, 833,	\$ 90
48682	Suction Check Valve, 915	\$ 90
48683	Suction Check Valve, 919	\$ 90
48685	Suction Check Valve, 925, 935	\$ 90
48686	Suction Check Valve, 929, 939,	\$ 90
48768	Suction Check Valve, SS	\$ 159
49163	Valve ASM, SUC	\$ 90
38020	Valve ASM, SUC 1/2" PVC	Obsolete
36421	Valve ASM, SUC 1/2" PVDF	\$ 48
36360	Valve ASM, SUC 1/2" PVDF	\$ 69
36504	Valve ASM, SUC 1/4" NPT	\$ 48
36424	Valve ASM, SUC 1/4" NPT	\$ 50
36366	Valve ASM, SUC 1/4" NPT	\$ 69
38018	Valve ASM, SUC 1/4" PVC	#VALUE!
36415	Valve ASM, SUC 1/4" PVDF	\$ 90
37846	Valve ASM, SUC 1/4" PVDF Polyprel	\$ 46
38019	Valve ASM, SUC 3/8" PVC	\$ 44
36354	Valve ASM, SUC 3/8" PVDF	\$ 69
36418	Valve ASM, SUC 3/8" PVDF	\$ 69
10562	Valve ASM, SUC LE-20/21	\$ 55
33482	Valve ASM, SUC LE-22/32/32S	\$ 135
26020	Valve ASM, SUC LE-24	\$ 81
27053	Valve ASM, SUC LE-25HV/76PB	\$ 84
25157	Valve ASM, SUC LE-25T	\$ 70
10564	Valve ASM, SUC LE-26/26S	\$ 55
25412	Valve ASM, SUC LE-26T	\$ 60
26014	Valve ASM, SUC LE-35P	\$ 91
25662	Valve ASM, SUC LE-76/86,	\$ 63
25202	Valve ASM, SUC LE-82T	\$ 48
49088	Valve ASM, SUC PVC/AFL/CER	\$ 44
49090	Valve ASM, SUC PVDF/AFL/CER	\$ 47
49089	Valve ASM, SUC PVDF/AFL/CER	\$ 90
49094	Valve ASM, SUC PVDF/AFL/PTFE	\$ 54
49093	Valve ASM, SUC PVDF/AFL/PTFE	\$ 90
49092	Valve ASM, SUC PVDF/PTFE/CER	\$ 90

Discharge Valve Assemblies		
Part No.	Description	Price
10561	Valve ASM, DIS LE-20	\$ 66.00
30481	Valve ASM, DIS LE-20PB/66PB/76PB/ 86PB	\$ 87.00
33536	Valve ASM, DIS LE-22/32	\$ 90.00
27052	Valve ASM, DIS LE-25HV/76-86PB	\$ 79.00
26013	Valve ASM, DIS LE-25P/35	\$ 105.00
25156	Valve ASM, DIS LE-25T	\$ 91.00
10563	Valve ASM, DIS LE-26	\$ 76.00
25411	Valve ASM, DIS LE-26T	\$ 72.00
26019	Valve ASM, DIS LE-34	\$ 101.00
27530	Valve ASM, DIS LE-37	\$ 333.00
25661	Valve ASM, DIS LE-76/86,	\$ 74.00
25201	Valve ASM, DIS LE-82T	\$ 58.00
49098	Valve ASM, DIS SPRING	\$ 90.00

Seal Rings Kits		
Part No.	Description	Price
10930	Kit, Seal Ring Teflon	\$ 44
25197	Kit, Seal Ring Teflon	\$ 53
10884	Kit, Seal Ring VITON 1/2	\$ 76
10928	Kit, Seal Ring VITON 3/8	\$ 37

Foot Valves & Assemblies		
Part No.	Description	Price
48720	Foot Valve, 812	\$ 76
48724	Foot Valve, 813	\$ 76
48723	Foot Valve, 822, 832, 842	\$ 77
48725	Foot Valve, 823, 833, 843	\$ 77
48718	Foot Valve, 910, X18	\$ 76
49164	Foot Valve, 910A, 918A	\$ 77
48726	Foot Valve, 915	\$ 77
48719	Foot Valve, 919	\$ 76
48721	Foot Valve, 920, 930, 940	\$ 76
49165	Foot Valve, 920A, 928A	\$ 76
48727	Foot Valve, 925, 935, 945	\$ 77
48722	Foot Valve, 929, 939, 949	\$ 77
48873	Foot Valve, 3/8" PVC/TFE	\$ 76
49107	Foot Valve, PP/PTFE/CER, 455	\$ 77
49108	Foot Valve, PP/PTFE/CER, 465, 495	\$ 77
49100	Foot Valve, PVC/AFL/CER, 3/468, 3/498, 460, 490	\$ 76
49099	Foot Valve, PVC/AFL/CER, 358, 450, 458	\$ 66
49101	Foot Valve, PVDF/AFL/CER, 352	\$ 77
49102	Foot Valve, PVDF/AFL/CER, 362, 392	\$ 76
49106	Foot Valve, PVDF/AFL/PTFE, 469, 499	\$ 76
49103	Foot Valve, PVDF/PTFE/CER, 353	\$ 77
49104	Foot Valve, PVDF/PTFE/CER, 363, 393	\$ 77
38271	Valve ASM, Foot	\$ 105
27535	Valve ASM, Foot LE-27/37	\$ 661
36358	Valve ASM, Foot 1/2"	\$ 76
38033	Valve ASM, Foot 1/2"	Obsolete
36419	Valve ASM, Foot 1/2" PVDF Polyprel	\$ 76
36346	Valve ASM, Foot 1/4"	\$ 76
36413	Valve ASM, Foot 1/4"	\$ 77
36502	Valve ASM, Foot 1/4" NPT	\$ 76
36352	Valve ASM, Foot 3/8"	\$ 76
37845	Valve ASM, Foot 3/8" PVDF Polyprel	\$ 76
10153	Valve ASM, Foot LE-20/20S	\$ 112
26021	Valve ASM, Foot LE-24/34	\$ 112
26015	Valve ASM, Foot LE-25P	\$ 112
25154	Valve ASM, Foot LE-25T, 35T	\$ 112
10253	Valve ASM, Foot LE-26/26S	\$ 112
25977	Valve ASM, Foot LE-36	\$ 108
33480	Valve ASM, FT LE-32, 32S	\$ 122

Pressure Relief Valves		
Part No.	Description	Price
35635	Pressure Relief, 1/4" PVC	\$ 293
35636	Pressure Relief, 1/4" PP	\$ 320
35844	Pressure Relief, 1/4" PVDF	\$ 1,087
35845	Pressure Relief, 1/4" SS	Obsolete
35639	Pressure Relief, 1/2" PVC	\$ 293
35640	Pressure Relief, 1/2" PP	\$ 293
35848	Pressure Relief, 1/2" PVDF	\$ 1,463
35849	Pressure Relief, 1/2" SS	\$ 1,347
35852	Pressure Relief, 1" PVC	\$ 996
35853	Pressure Relief, 1" PP	\$ 874
35854	Pressure Relief, 1" PVDF	\$ 1,755
35855	Pressure Relief, 1" SS	\$ 1,638

Back Pressure Valves		
Part No.	Description	Price
35637	Back Pressure, 1/4" PVC	\$ 343
35638	Back Pressure, 1/4" PP	\$ 704
35846	Back Pressure, 1/4" PVDF	\$ 1,067
35847	Back Pressure, 1/4" SS	\$ 951
35641	Back Pressure, 1/2" PVC	\$ 286
35642	Back Pressure, 1/2" PP	\$ 302
35850	Back Pressure, 1/2" PVDF	\$ 1,182
35851	Back Pressure, 1/2" SS	\$ 1,062
35856	Back Pressure, 1" PVC	\$ 971
35857	Back Pressure, 1" PP	\$ 829
35858	Back Pressure 1" PVDF	\$ 1,668
35859	Back Pressure, 1" SS	\$ 1,553

Injection Valves & Assemblies		
Part No.	Description	Price
48731	Injection Valve, 8X2	\$ 71
48732	Injection Valve, 8X3	\$ 90
48728	Injection Valve, 9X0, XX8	\$ 71
48729	Injection Valve, 9X5	\$ 74
48730	Injection Valve, 9X9	\$ 74
38027	Valve ASM, INJ 1/2" PVC	Obsolete
37358	Valve ASM, INJ 1/2" PVDF	\$ 90
37360	Valve ASM, INJ 1/4" NPT	\$ 84
38025	Valve ASM, INJ 1/4" PVC	Obsolete
37354	Valve ASM, INJ 1/4" PVDF	\$ 90
37848	Valve ASM, INJ 1/4" PVDF	\$ 110
27080	Valve ASM, INJ 25HV 75HV	\$ 104
38026	Valve ASM, INJ 3/8" PVC	Obsolete
37356	Valve ASM, INJ 3/8" PVDF	\$ 84
25273	Valve ASM, INJ 71FS 81FS	Obsolete
32514	Valve ASM, INJ Check SS	\$ 100
25073	Valve ASM, INJ CHK	Obsolete
25178	Valve ASM, INJ CK	Obsolete
25687	Valve ASM, INJ CK	Obsolete
25029	Valve ASM, INJ CK	Obsolete
26851	Valve ASM, INJ CK LE-20/21	\$ 90
25663	Valve ASM, INJ CK LE-20H	\$ 107
33481	Valve ASM, INJ CK LE-22/32/32S	\$ 121
26716	Valve ASM, INJ CK LE-24/34/24WK/34WK	\$ 136
26710	Valve ASM, INJ CK LE-25P/35P	\$ 147
26758	Valve ASM, INJ CK LE-25T	\$ 107
26751	Valve ASM, INJ CK LE-26	\$ 107
27534	Valve ASM, INJ CK LE-27/37	\$ 791
26713	Valve ASM, INJ CK LE-30/36	\$ 107
32088	Valve ASM, INJ. Check	Obsolete
32515	Valve ASM, Check 316 SS	\$ 81

Valve Seats		
Part No.	Description	Price
10792-1	Valve Seat, .375 X 1/4	\$ 42
26032	Valve Seat, 1/2 NPT PP	\$ 60
26001	Valve Seat, 1/2 NPT PVC	\$ 60
10792	Valve Seat, 1/2 Tubing	\$ 31
31937	Valve Seat, 1/2 Tubing	\$ 55
10492	Valve Seat, 1/2 Tubing PVC	\$ 29
35420	Valve Seat, 1/2" NPT	\$ 223
10492-1	Valve Seat, 1/4 NPT	\$ 31
31561-1	Valve Seat, 1/4 NPT PVDF	\$ 60
28664	Valve Seat, 1/4 Tubing	Obsolete
28882	Valve Seat, 1/4 Tubing	Obsolete
10292	Valve Seat, 3/8 OD TUB PVC	Obsolete
10392	Valve Seat, 3/8 Tubing	Obsolete
25600	Valve Seat, Foot PP	\$ 35
10978	Valve Seat, PP	Obsolete
25649	Valve Seat, PP	\$ 33
30383	Valve Seat, PVC	Obsolete
26839	Valve Seat, PVDF 3/8 TUB	Obsolete
25106	Valve Seat, SUC PP 1/2	\$ 37
10206	Valve Seat, Suction PVC	\$ 26

Tubing Connector Assemblies & Connection Systems		
Part No.	Description	Price
26114	PP, .375" O.D. Tubing x 1/2" NPT M	Obsolete
28381	PP, .250" O.D. Tubing x 1/2" NPT M	\$ 45
10482	PP, .375" O.D. Tubing x 1/4" NPT M	\$ 10
10804	PP, .5" O.D. Tubing x 1/2" NPT M	\$ 45
10895	PVC, .5" O.D. Tubing x 1/2" NPT M	\$ 45
77382	Tubing Connection Kit, 1/4"	\$ 17
77383	Tubing Connection Kit, 3/8"	\$ 17
77384	Tubing Connection Kit, 1/2"	\$ 17
77378	Tubing Connection Kit, 3X6MM	\$ 17
77379	Tubing Connection Kit, 6X8MM	\$ 17
77380	Tubing Connection Kit, 9X12MM	\$ 17
48378	Coupling Nut for Tubing Connection System	\$ 9
28896	Connector ASM,	Obsolete
25650	Connector, 1/2 NPT	\$ 34
10833	Connector, 3/8 Tube PP	\$ 24
28804	Connector, Tubing	Obsolete
50618	Coupling nut, PP, Tubing Containment Kit 1/4" & 3/8"	\$ 96
49216	Right Angle adapter for Autoprime™ LE accessories	\$ 112

AutoPrime Valve Components		
Part No.	Description	Price
48707	Autoprime Discharge Cartridge	\$ 42
48706	Autoprime Discharge Cartridge	\$ 51
48704	Autoprime Discharge Check	\$ 90
48705	Autoprime Discharge Check	\$ 90
48709	Autoprime Shuttle Cartridge	\$ 77
48708	Autoprime Shuttle Valve	\$ 93

FastPrime Valve Components		
Part No.	Description	Price
48767	Discharge Check Valve, SS	\$ 159
48551	Fastprime Cartridge Valve, 915	\$ 27
48549	Fastprime Cartridge Valve, 920	\$ 27
48552	Fastprime Cartridge Valve, 925	\$ 27
48698	Fastprime Cartridge Valve, 929	\$ 27
48848	Fastprime Valve xx8, 9x0	\$ 53
48699	Fastprime Valve, 8X2, 9X9	\$ 45
48700	Fastprime Valve, 8X3	\$ 41
48701	Fastprime Valve, 9X5	\$ 47
48670	Fastprime Discharge CV	\$ 52
48672	Fastprime Discharge CV	\$ 90

Valve Housings		
Part No.	Description	Price
10793-1	Valve Housing, .375 X	\$ 48
25173	Valve Housing, .500 X 1/2 PP	\$ 42
10793	Valve Housing, 1/2	\$ 34
26033	Valve Housing, 1/2 NPT	\$ 63
10493	Valve Housing, 1/2 Tubing PVC	\$ 28
10273	Valve Housing, 1/2 Tubing PVC	\$ 29
31562	Valve Housing, 1/2 Tubing PVDF	\$ 50
35585	Valve Housing, 1/2" NPT	\$ 132
31938	Valve Housing, 1/2" Tubing	\$ 63
28665	Valve Housing, 1/4	Obsolete
28883	Valve Housing, 1/4	Obsolete
10493-1	Valve Housing, 1/4 NPT	\$ 33
31562-1	Valve Housing, 1/4 NPT	\$ 63
10393	Valve Housing, 3/8	Obsolete
10293	Valve Housing, 3/8 OD Tubing PVC	Obsolete
31332	Valve Housing, BARBED PP	\$ 31
30375	Valve Housing, PVC	Obsolete
26840	Valve Housing, PVDF 3/8	Obsolete
25199	Valve Housing, UHMWPE	\$ 71
26024	Valve, 1/2 NPT PVC	\$ 66

Tubing*		
Part No.	Description	Price
25636-500	Tubing PE, .250 OD X .062, 500 FEET	\$ 609
28636-500	Tubing PE, .250 OD X .062, 500 FEET	\$ 648
25636-16	Tubing PE, .250 X .062, 16 FEET	\$ 26
27342-500	Tubing PE, .375 OD X .062, 500 FEET	\$ 772
27142-500	Tubing PE, .500 OD X .062, 500 FEET	\$ 695
10469-500	Tubing VINYL, .375 OD X .062, 500 FT	\$ 584
10469-06	Tubing VINYL, .375 OD X .062, 6 FEET	\$ 11
25651-50	Tubing VINYL, .938 OD X .15, 50 FT	\$ 606
10342-500	Tubing, .375 OD X .062 PE, 500 FEET	\$ 584
10142-500	Tubing, .500 OD X .062 PE, 500 FEET	\$ 621
10141-500	Tubing, .500 OD X .062 VINYL, 500 FEET	Obsolete
54783	Tubing, UV Kit, 1/4"	Obsolete
54784	Tubing, UV Kit, 3/8"	\$ 60

Note*-To purchase tubing in foot increments, contact your local distributor.

Cords & Cordsets		
Part No.	Description	Price
30926	Cord ASM, 115V	\$ 60
26293	Cord ASM, 115V B & C	\$ 60
29033CE	Cord ASM, 115V CE	\$ 60
26297	Cord ASM, 220-250V DIN B	\$ 35
29788	Cord ASM, 240V	\$ 36
48851	Cord, POWER USA 120V	\$ 60
48231	Cord, POWER USA 120V	Obsolete
48852	Cord, POWER USA 230V	\$ 60
48414	Cordset, 5-PIN REVERSE KEY	\$ 83
48414	Cordset, 5 pin, 2M / 6.6 FT	\$ 83
49035	Cordset, 6 pin, 2M / 6.6 FT	\$ 107
48488	Cordset, Adapter, Old 4 pin to 5 pin	\$ 77
57958	Cable Adapter, MP-100 for PD7	\$ 101

Connectors & Cable Assemblies		
Part No.	Description	Price
49253	3 Pin Connector (4 Pin standard key)	\$ 101
33796	Cable ASM, 4 PIN/4 WIRE	\$ 59
33738	Cable ASM, 8 PIN/8WIRE	\$ 52
33833	Cable ASM, HALL EFFECT	\$ 103
31277	Connector ASM, 8 PIN	\$ 39
25643	Connector FEMALE, Cable 4-PIN	\$ 16
25644	Connector MALE, Cable 4-PIN	\$ 31
48490	Connector, 5-PIN REVERSE KEY	\$ 66
50503-15	EXTENSION Cable, 15 M / 49.2FT	\$ 283
50503-6	EXTENSION Cable, 6 M / 19.7FT	\$ 165
26034-20	Cable Asm, 4-Pin Extension 20'	\$ 107
26034-50	Cable Asm, 4-Pin Extension 50'	\$ 177
31396-25	Cable Asm, 8-Pin Extension 25'	\$ 382
50703	Cable ASM, Hall Effect - EXCEL AD9	\$ 188
50503-6	5 Pin Extension Cable, 6 M / 19.7 FT	\$ 165
50684-6	6 Pin Extension Cable, 6 M / 19.7 FT	\$ 230

Control Panel Assemblies		
Part No.	Description	Price
48594	Control Panel AD2	\$ 230
50663	PULSER ASM, AD2	\$ 492
48595	Control Panel AD8	\$ 250
50664	PULSER ASM, AD8	\$ 528
48596	Control Panel AD9	\$ 262
50665	PULSER ASM, AD9	\$ 649
33212	Control Panel ASM, 230V	\$ 775
36229	Control Panel ASM, B121, B131, B141	\$ 476
33211	Control Panel ASM, B7/C7	\$ 710
34093	Control Panel ASM, B711	\$ 710
35895CE	Control Panel ASM, B92/B93/B94 115V	\$ 1,730
36237	Control Panel ASM, C101/C111	\$ 490
36240	Control Panel ASM, C121	\$ 419
36243	Control Panel ASM, C131	\$ 490
36246	Control Panel ASM, C141	\$ 443
33814	Control Panel ASM, C701/C711	\$ 628
33816	Control Panel ASM, C721	\$ 1,007
33817	Control Panel ASM, C72x	\$ 808
33818	Control Panel ASM, C731	\$ 808
33819	Control Panel ASM, C73x	\$ 808
33821	Control Panel ASM, C74x	\$ 808
33822	Control Panel ASM, C781	\$ 808
33823	Control Panel ASM, C78x	\$ 808
35960CE	Control Panel ASM, C901/C911 115V	\$ 1,270
35962CE	Control Panel ASM, C921 115 V	\$ 1,270
35964CE	Control Panel ASM, C931 115V	\$ 1,270
35966CE	Control Panel ASM, C941 115V	\$ 1,270
33820	Panel ASM, CONTROL	\$ 878
36256	Panel W/NAMEPLATE, B1/C1	\$ 45
10627	Varistor ASM, 220-250V	\$ 16
31255	Varistor ASM, 240V	\$ 15
31898	STROKE ADJ ASM, B SERIES	\$ 105
36254	PULSER, FIXED	\$ 137

EPU & Spacers		
Part No.	Description	Price
26893	EPU & Spacer ASM, "B"	\$ 670
26893CE	EPU & Spacer ASM, "B"	\$ 670
26897	EPU & Spacer ASM, "B"	\$ 670
32534CE	EPU & Spacer ASM, "C"	\$ 1,098
32536CE	EPU & Spacer ASM, "C"	\$ 1,098
32534	EPU & Spacer ASM, "C" 1.8SI 120V	\$ 1,098
32536	EPU & Spacer ASM, "C" 3.0SI 120V	\$ 1,098
32329	EPU & Spacer ASM, C771	\$ 1,371
30240	EPU ASM W/DISK, 0.5	\$ 377
30107	EPU ASM W/DISK, 0.5	\$ 377
30242	EPU ASM W/DISK, 0.9	\$ 377
32158CE	EPU ASM, 120V C7 C9 CE	\$ 889
32314	EPU ASM, 120V C781	\$ 1,371
32158	EPU ASM, 120V, CX01,CX11	\$ 889
32159	EPU ASM, 220/240V	\$ 889
30154	EPU ASM, 3.0 82 OHMS	\$ 377
32239	EPU ASM, C761/C771	\$ 1,371
31929CE	EPU W/STROKE ADJ, "B"	\$ 580
31927CE	EPU W/STROKE ADJ, "B"	\$ 670
31927	EPU W/STROKE ADJ, "B" 0.9 115V (D SHAFT)	\$ 670
31929	EPU W/STROKE ADJ, "B" 1.8 115V (D SHAFT)	\$ 670
30155	EPU, 3.0 330 OHMS	\$ 276
30531	EPU, 3.0 313 OHMS 240V	\$ 399
31862	EPU, 3.0 82 OHMS	\$ 266
30530	EPU, 3.0 82 OHMS 120 V	\$ 377
35394	Spacer W/PLUG 5X5 1.8	\$ 93
35395	Spacer W/PLUG 5X5 3.0	\$ 93
35837	Spacer, 0.9 W/O Bosses	\$ 91
35838	Spacer, 1.8 W/O Bosses	\$ 136
27516	Spacer, 1.8SI 4.2C	\$ 156
35839	Spacer, 3.0 W/O Bosses	\$ 129
27517	Spacer, 3.0SI 4.2C	\$ 91
36905	Spacer, FM-PRO	\$ 23

Seal Ring Kits		
Part No.	Description	Price
25197	Kit, Seal Ring PTFE 1/2" Ball	\$ 53
10930	Kit, Seal Ring , PTFE 3/8" Ball	\$ 44
10884	Kit, Seal ring, Viton® 1/2" Ball	\$ 76
10928	Kit, Seal ring, Viton® 3/8" Ball	\$ 37
29570	Kit, Seal Ring, Polyprel® 3/8" Ball	\$ 52

Accessories		
Part No.	Description	Price
10461	Pump Mounting Kit	\$ 34
34643	Polypropylene Wall Bracket Asm w/ mounting hardware	\$ 101
48603	Clear Cover for EXCEL™ AD	\$ 21
37144	Kit, Hastelloy C head screws [4], 10-24 x 0.75	\$ 151

Heads		
Part No.	Description	Price
28390	Head, 0.5 Acrylic	\$ 222
38571	Head, 0.5 Acrylic HV	\$ 308
38571-1	Head, 0.5 Acrylic HV	\$ 434
38578	Head, 0.5 Machined	\$ 207
38579	Head, 0.5 Machined PVC	\$ 188
37750	Head, 0.5 Molded PVC	\$ 81
37980	Head, 0.5 Molded PVDF(DEEP COR	\$ 121
28391	Head, 0.5 PP	\$ 325
38572	Head, 0.5 PP HV	\$ 267
38572-1	Head, 0.5 PP HV	\$ 397
29609	Head, 0.5 PVDF	\$ 134
32506	Head, 0.5 SS 316	\$ 453
38568	Head, 0.9 Acrylic HV	\$ 222
25550	Head, 0.9 Acrylic HV	\$ 246
38568-1	Head, 0.9 Acrylic HV	\$ 260
38561	Head, 0.9 Machined	\$ 207
38562	Head, 0.9 Machined PVC	\$ 173
37752	Head, 0.9 Molded PVC	\$ 93
38569-1	Head, 0.9 PP HV	\$ 263
38569	Head, 0.9 PP HV	\$ 277
26050-1	Head, 0.9 PP HV	\$ 387
29611	Head, 0.9 PVDF	\$ 189
32507	Head, 0.9 SS 316	\$ 514
38592	Head, 1.8 Acrylic HV	\$ 230
38592-1	Head, 1.8 Acrylic HV	\$ 272
38595	Head, 1.8 Acrylic MACH	\$ 238
37742	Head, 1.8 Machined PVC	\$ 308
37754	Head, 1.8 Molded PVC	\$ 154
38593	Head, 1.8 PP HV	\$ 244
26040	Head, 1.8 PP HV	\$ 302
38593-1	Head, 1.8 PP HV	\$ 333
38596	Head, 1.8 PVC Machined	\$ 243
27214	Head, 1.8 PVDF	\$ 154
32508	Head, 1.8 SS 316	\$ 586
27511	Head, 1.8 UHMWPE SLURRY	\$ 282
27394	Head, 3.0 316 SS	\$ 1,816
10524	Head, 3.0 Acrylic	\$ 326
10524-3	Head, 3.0 Acrylic	\$ 339
37745	Head, 3.0 Machined PVC	\$ 271
37756	Head, 3.0 Molded PVC	\$ 172
10681	Head, 3.0 PP	\$ 426
10681-4	Head, 3.0 PP	\$ 615
10681-3	Head, 3.0 PP HV	\$ 369
10525	Head, 3.0 PVC	\$ 326
31053	Head, 3.0 PVDF Molded	\$ 202
32509	Head, 3.0 SS 316	\$ 489
25718	Head, 6.0 Acrylic	\$ 550
25906	Head, 6.0 PP	\$ 382
25906-3	Head, 6.0 PP HV	\$ 440
25905	Head, 6.0 PVC	\$ 382
48429	Head, Autoprime SC3 PVC	\$ 207
48743	Head, Autoprime, 0.5 ACL	\$ 225
48744	Head, Autoprime, 0.9 ACL	\$ 273
48745	Head, Autoprime, 1.8 ACL	\$ 217
48748	Head, Autoprime, 1.8 PVC	\$ 304
50529	Head, Autoprime, 3.0 ACL	\$ 367
50530	Head, Autoprime, 3.0 PVC	\$ 225
48422	Head, Autoprime, SC1 ACL	\$ 355
48423	Head, Autoprime, SC1 PVC	\$ 181
48425	Head, Autoprime, SC2 ACL	\$ 225
48426	Head, Autoprime, SC2 PVC	\$ 218
48428	Head, Autoprime, SC3 ACL	\$ 305
48431	Head, Autoprime, SC4 ACL	\$ 330
48432	Head, Autoprime, SC4 PVC	\$ 197

Heads		
Part No.	Description	Price
36156	Head, Machined 0.5 Acrylic	\$ 243
36157	Head, Machined 0.9	\$ 187
36159	Head, Machined 3.0	\$ 281
49329	Head, Machined SC2 HV Acrylic	\$ 196
49332	Head, Machined SC2 HV Ported PP	\$ 410
49331	Head, Machined SC2 HV PP	\$ 176
49334	Head, Machined SC3 HV Acrylic	\$ 239
49337	Head, Machined SC3 HV Ported PP	\$ 410
49336	Head, Machined SC3 HV PP	\$ 176
49339	Head, Machined SC4 HV Acrylic	\$ 197
49342	Head, Machined SC4 HV Ported PP	\$ 410
49341	Head, Machined SC4 HV PP	\$ 176
48214	Head, Machined, SC1 ACL	\$ 179
48216	Head, Machined, SC1 PP	\$ 219
48218	Head, Machined, SC2 ACL	\$ 185
48220	Head, Machined, SC2 PP	\$ 192
48219	Head, Machined, SC2 PVC	\$ 143
48222	Head, Machined, SC3 ACL	\$ 332
48224	Head, Machined, SC3 PP	\$ 200
48226	Head, Machined, SC4 ACL	\$ 202
36128	Head, Molded 3.0 PVDF	\$ 227
48363	Head, Molded Fastprime SC2	\$ 98
48364	Head, Molded Fastprime SC2	\$ 104
48366	Head, Molded Fastprime SC3	\$ 154
48367	Head, Molded Fastprime SC3	\$ 170
48370	Head, Molded Fastprime SC4	\$ 153
48369	Head, Molded Fastprime SC4	\$ 159
48471	Head, SC1, 316 SS	\$ 489
48472	Head, SC2, 316 SS	\$ 477
48473	Head, SC3, 316 SS	\$ 489
48474	Head, SC4, 316 SS	\$ 489

Pump Housings		
Part No.	Description	Price
28970	Housing ASM, 115V B7 BE	\$ 244
49031	Housing ASM, 120 V	Obsolete
28983	Housing ASM, 220-240V	\$ 259
35949CE	Housing ASM, B9X1/C9X1	\$ 262
35956CE	Housing ASM, B9X6/C9X6	\$ 282
32405	Housing ASM, C7X6	\$ 271
28925	Housing LESS WIRES	\$ 149
35398	Housing, 5 X 5 W/PG9	\$ 141
48599	Housing, AD	\$ 325
29256	Housing, B1 SERIES	\$ 210
35890	Housing, B9/C9	\$ 299
35404	Housing, LESS WIRES	\$ 250

Liquiframs		
Part No.	Description	Price
30916	Liquifram, 0.5 Fluorfilm	\$ 96
30917	Liquifram, 0.9 Fluorfilm	\$ 101
31420	Liquifram, 1.8 Fluorfilm	\$ 107
31419	Liquifram, 3.0 Fluorfilm (NON FABRIC)	\$ 112
25719	Liquifram, 6.0 Fluorfilm (NON FABRIC)	\$ 154
55322	Liquifram, SC0 Fluorfilm	\$ 96
48186	Liquifram, SC1	\$ 96
48187	Liquifram, SC2	\$ 101
48188	Liquifram, SC3	\$ 107
48189	Liquifram, SC4	\$ 112

**VOLUME SPARES
SOLD IN QTY MULTIPLIES SPECIFIED**

Balls			
Part No.	Description	QTY	Price
26323	Ball GUIDE, .500 DIA	10	\$ 110
26025	Ball, .188 Teflon	10	Obsolete
10338	Ball, .375 Ceramic	10	\$ 70
10659	Ball, .375 SS	10	\$ 80
10444	Ball, .375 Teflon	10	\$ 80
10138	Ball, .500 Ceramic	10	\$ 120
25042	Ball, .500 SS	10	\$ 80
10601	Ball, .500 Teflon	10	\$ 100

Bushings			
Part No.	Description	QTY	Price
27301	Bushing, .375 ID X .375	10	\$ 110
25344	Bushing, .71ID X .75OD X .75 NY	10	\$ 60
32862	Bushing, SHAFT AX1S	10	Obsolete

Cartridges			
Part No.	Description	QTY	Price
36303	Cartridge ASM, .281	10	\$ 390
36304	Cartridge ASM, .281	10	\$ 390
36307	Cartridge ASM, .375 [PVDF/POLYPREL]	10	\$ 270
36306	Cartridge ASM, .375 [PVDF/Teflon]	10	\$ 390
37857	Cartridge ASM, .375 PVC/POLYPREL	10	\$ 270
49097	Cartridge SUB ASM, Spring	10	\$ 420
37334	Liquid End Cartridge	10	\$ 270
37337	Liquid End Cartridge	10	\$ 270
37858	Liquid End Cartridge	10	\$ 270
37859	Liquid End Cartridge	10	\$ 270
37335	Liquid End Cartridge	10	\$ 320
37338	Liquid End Cartridge	10	\$ 320
48545	Cartridge Valve, 915, 813	10	\$ 270
48543	Cartridge Valve, 920, 930, 940	10	\$ 270
48546	Cartridge Valve, 925, 935, 945	10	\$ 270
48692	Cartridge Valve, 929, 939, 949	10	\$ 270
48795	Injection VLV Cartridge	10	\$ 270

Connectors			
Part No.	Description	QTY	Price
27397	CONNECTOR, MALE 35	10	\$ 120

Liquid End Adapter Disks			
Part No.	Description	QTY	Price
29445	Disk, 0.5	10	\$ 110
29437	Disk, 0.9	10	\$ 100
48167	Disk, LE Adapter SC1	10	\$ 110
48168	Disk, LE Adapter SC2	10	\$ 120
48169	Disk, LE Adapter SC3	10	\$ 100
48170	Disk, LE Adapter SC4	10	\$ 100

Ferrules			
Part No.	Description	QTY	Price
50508	Ferrule 1/4" ferrule kit (50 pcs)	50*	\$ 66
50509	Ferrule 3/8" ferrule kit	50*	\$ 130
50510	Ferrule 1/2" ferrule kit	50*	\$ 130

Gaskets			
Part No.	Description	QTY	Price
30803	Gasket, NEOPRENE	10	\$ 40
34118	Gasket, PACK JOINT	10	\$ 100
34115	Gasket, PACK JOINT	10	\$ 70
10465	GROMMET, .25 X .56 NEOPRENE	10	\$ 40

Labels			
Part No.	Description	QTY	Price
30643	Label COVER, CLEAR	50	\$ 200
35184	Label SET, SILVER (BLANK)	50	\$ 250
28410	Label, MODEL # FIELD	10	\$ 60

Knobs and Stroke Dials			
Part No.	Description	QTY	Price
31891	KNOB ASM, "B" SERIES	10	\$ 150
30709	KNOB, PUSH-ON	10	\$ 110
27097	STICKER, Stroke Dial DX4	10	\$ 90
25882	Stroke Dial, BX1	10	\$ 90
32465	Stroke Dial, CX1	10	\$ 90
32466	Stroke Dial, CX2/CX6	10	\$ 90
32467	Stroke Dial, CX3	10	\$ 100

Boxes and Packing Inserts			
Part No.	Description	QTY	Price
30414	Box, "U" AND "P" PUMP	10	\$ 120
37394	Box, 15 1/8 X 10 5/8 X 10 13/16 BROWN PRIN	10	\$ 200
27226	Box, 20 1/4 X 20 1/4 X 31	10	\$ 660
25299	Box, OUTER 12 X 9 X 11	10	\$ 140
25970	Box, Tank 50 GALLON	10	\$ 840
31032	INSERT, "B" SERIES	10	\$ 70
25301	INSERT, PACKING PSF	10	\$ 210

Brackets			
Part No.	Description	QTY	Price
10746	BRACKET, PUMP HOLD-DOWN	10	\$ 140

Cap Plug Assemblies			
Part No.	Description	QTY	Price
36280	Cap ASM, A/S	10	#VALUE!
36260	Cap ASM, Relief	10	#VALUE!
25985	Cap ASM, Tank	10	\$ 230
10437	Cap, Plug .516 OD PE	10	\$ 40
27039	Cap, Plug 5.25OD PE	10	\$ 80
26779	Cap, Plug PE Black 10 GAL Tank	10	\$ 50
25125	Cap, SLEEVE .69OD PE	10	\$ 40
25630	Cap, Tube	10	\$ 40
34114	Plug, Audio 3.5 MM	10	\$ 60
10436	Plug, Cap .375 OD, PE (Yellow)	10	\$ 40
30744	Plug, Cap 1-14	10	\$ 40
10346	Plug, PE (Black)	10	\$ 40
25648	Plug, 3/4 - 16 PP Yellow	10	\$ 50

Tubing and Hose Clamps			
Part No.	Description	QTY	Price
37203	Clamp Ring, 1/2" Tubing SST	50	\$ 250
26136	Clamp Ring, 3/8 OD Tubing	50	\$ 250
25652	Clamp, Hose	10	\$ 90

Coupling Nuts and Relief Tubing Nuts			
Part No.	Description	QTY	Price
10411	Coupling Nut, PP 1/2	10	\$ 110
10299	Coupling Nut, PP 3/8	10	\$ 90
25628	Nut, 6-32 X HEX SS	10	\$ 60
25631	Nut, Relief Tubing	10	\$ 70

Plastic Dowel			
Part No.	Description	QTY	Price
28898	DOWEL, PLASTIC .250 OD X 1.75L	10	\$ 50

Fittings			
Part No.	Description	QTY	Price
48791	Fitting DBL Ball w/ O-Ring, PVC/Polyprel®	10	\$ 230
48792	Fitting DBL Ball w/ O-Ring, PVDF/Polyprel®	10	\$ 230
48793	Fitting DBL Ball w/ O-Ring, PVDF/PTFE	10	\$ 230
48794	Fitting DBL Ball w/ O-Ring, Polyprel®/PTFE	10	\$ 230
48787	Fitting SGL Ball w/ O-Ring, PVC/Polyprel®	10	\$ 200
48788	Fitting SGL Ball w/ O-Ring, PVDF/Polyprel®	10	\$ 200
48789	Fitting SGL Ball w/ O-Ring, PVDF/PTFE	10	\$ 200
48790	Fitting SGL Ball w/ O-Ring, Polyprel®/PTFE	10	\$ 200
37763	Fitting with Washer	10	Obsolete
37765	Fitting with Washer	10	Obsolete
37767	Fitting with Washer	10	Obsolete
37769	Fitting with Washer	10	Obsolete
37117	Fitting with Washer, 1/2" Tubing PVDF (CART)	10	\$ 290
37119	Fitting with Washer, 1/4" NPT PVDF (CART)	10	\$ 290
37113	Fitting with Washer, 1/4" Tubing PVDF (CART)	10	\$ 290
37115	Fitting with Washer, 3/8" Tubing PVDF (CART)	10	\$ 290
48617	Fitting, Injection VLV, PVC	10	\$ 230
48618	Fitting, Injection VLV, PVDF	10	\$ 320
26841	Fitting, Injector	10	Obsolete
25108	Fitting, Injector 1/2 PP	10	\$ 350
10394	Fitting, Injector 3/8 PP	10	Obsolete
10294	Fitting, Injector PVC	10	Obsolete
37351	Fitting, Liquipro	10	\$ 350

Liquid End Hardware			
Part No.	Description	QTY	Price
49109	Liquid End Hardware, 4XX, DXH	10	\$ 100
48703	Liquid End Hardware, 7XX, 8XX	10	\$ 100
48702	Liquid End Hardware, 9XX	10	\$ 100

**VOLUME SPARES
SOLD IN QTY MULTIPLIES SPECIFIED**

Seal Rings & Retaining Rings			
Part No.	Description	QTY	Price
48313	RETAINING Ring, 8MM	10	\$ 80
34116	Ring, ANTI-FRICTION	10	\$ 80
10422	Ring, RETAINING	10	\$ 40
27253	Ring, RETAINING EXT 3/8	10	\$ 40
10407	Ring, Seal .375 Teflon	10	\$ 90
10207	Ring, Seal .375 VITON	10	\$ 120
25128	Ring, Seal .500 Teflon	10	\$ 180
10228	Ring, Seal .500 VITON	10	\$ 160

Springs			
Part No.	Description	QTY	Price
27034	Spring & PAD ASM, D	10	\$ 50
25558	Spring, .42 X .24 X 1.0	10	\$ 90
37539	Spring, CLEAR PVDF	10	\$ 200
30348	Spring, COATED	10	\$ 450
37341	Spring, COMPRESSION	10	\$ 80
37349	Kit, REPLACEMENT, Spring LOADED Liquipro II	10	\$ 160

Coupling Knobs			
Part No.	Description	QTY	Price
48646	Coupling KNOB, 4FV	10	\$ 90
48646	Coupling KNOB, 4FV	10	\$ 90
36204	Coupling, Foot Valve PP	10	\$ 240

Other			
Part No.	Description	QTY	Price
27401	NIPPLE, 1/4 CLOSE PVC	10	\$ 100
35744	PIN, DUAL	10	\$ 70
35743	SHAFT, SPEED ADJ	10	\$ 70
10322	WEIGHT, SUCTION Tubing	10	\$ 90
48622	4FV Bleed Nut - Roytronic	10	\$ 90
27352	FLAPPER Valve,	10	\$ 100
10123	STRAINER, Foot Valve PP	10	\$ 100

O-Rings			
Part No.	Description	QTY	Price
36103	O-Ring, .549 ID X .103 W POLYPREL	10	\$ 60
33264	O-Ring, .674 ID X .103 W POLYPREL	10	\$ 50
26983	O-Ring, .937 ID X .139 W	10	\$ 80
34497	O-Ring, 0.25ID x 0.437OD	10	\$ 40
48347	O-Ring, 2-008 80D AFLAS	10	\$ 40
48349	O-Ring, 2-111, 80DUR AFLAS	10	\$ 60
10166	O-Ring, 3.989 ID X .070 W BUNA N	10	\$ 90
35269	O-Ring, 4.984 ID X .139	10	\$ 130
48590	O-Ring, PTFE, 2-007 , WHITE	10	\$ 40
48591	O-Ring, PTFE, 2-111	10	\$ 60
48589	O-Ring, PTFE, 2-113	10	\$ 60

Screws			
Part No.	Description	QTY	Price
30856	SCREW, 10-24 1.25L SS	10	\$ 50
10598	SCREW, 10-24 X .625 PH SS	10	\$ 40
10340	SCREW, 10-24 X .75 PH SS	10	\$ 50
25127	SCREW, 10-24 X 4.5 RH SS	10	\$ 90

Shims			
Part No.	Description	QTY	Price
32654	SHIM, .020 THICK 4.2	10	\$ 100
27586	SHIM, 3.5S 4.2C NY	10	\$ 40

Stud Assemblies			
Part No.	Description	QTY	Price
27641-1	STUD ASM, 3.0 SI 4.2C	10	\$ 110
27641	STUD ASM, 3.5 SI 4.2C	10	\$ 120

Varistor			
Part No.	Description	QTY	Price
10626	VARISTOR ASM, 115V	10	\$ 110

Washers			
Part No.	Description	QTY	Price
38490	Washer, FLAT #10 SS 316	10	\$ 40
30970	Washer, PLUNGER ASM	10	\$ 80
36107	Washer, Cartridge Valve	10	\$ 40

PARTS by Number

Part Number	Description	UM	Price
10123	STRAINER, FOOT VALVE PP	EA	\$ 10.00
10138	BALL, .500 CERAMIC	EA	\$ 12.00
10153	VALVE ASM, FOOT LE-20/20S	EA	\$ 112.00
10166	O-RING, 3.989 ID X .070 W Buna N	EA	\$ 9.00
10206	VALVE SEAT, SUCTION PVC	EA	\$ 26.00
10207	RING, SEAL .375 VITON	EA	\$ 12.00
10228	RING, SEAL .500 VITON	EA	\$ 16.00
10253	VALVE ASM, FOOT LE-26/26S	EA	\$ 112.00
10273	VALVE HOUSING, 1/2 TUBING PVC	EA	\$ 29.00
10292	VALVE SEAT, 3/8 OD TUB PVC	EA	Obsolete
10293	VALVE HOUSING, 3/8 OD TUBING PVC	EA	Obsolete
10294	FITTING, INJECTOR PVC	EA	Obsolete
10299	COUPLING NUT, PP 3/8	EA	\$ 9.00
10322	WEIGHT, SUCTION TUBING	EA	\$ 9.00
10338	BALL, .375 CERAMIC	EA	\$ 7.00
10340	SCREW, 10-24 X .75 PH SS	EA	\$ 5.00
10346	PLUG, PE (BLACK)	EA	\$ 4.00
10392	VALVE SEAT, 3/8 TUBING	EA	Obsolete
10393	VALVE HOUSING, 3/8	EA	Obsolete
10394	FITTING, INJECTOR 3/8 PP	EA	Obsolete
10407	RING, SEAL .375 TEFLON	EA	\$ 9.00
10411	COUPLING NUT, PP 1/2	EA	\$ 11.00
10422	RING, RETAINING	EA	\$ 4.00
10436	PLUG, CAP .375 OD, PE (YELLOW)	EA	\$ 4.00
10437	CAP, PLUG .516 OD PE	EA	\$ 4.00
10444	BALL, .375 TEFLON	EA	\$ 8.00
10465	GROMMET, .25 X .56 NEOPRENE	EA	\$ 4.00
10492	VALVE SEAT, 1/2 TUBING PVC	EA	\$ 29.00
10493	VALVE HOUSING, 1/2 TUBING PVC	EA	\$ 28.00
10524	HEAD, 3.0 ACRYLIC	EA	\$ 326.00
10525	HEAD, 3.0 PVC	EA	\$ 326.00
10561	VALVE ASM, DIS LE-20	EA	\$ 66.00
10562	VALVE ASM, SUC LE-20/21	EA	\$ 55.00
10563	VALVE ASM, DIS LE-26	EA	\$ 76.00
10564	VALVE ASM, SUC LE-26/26S	EA	\$ 55.00
10590	AGITATOR, 34" SS 115V	EA	\$ 683.00
10598	SCREW, 10-24 X .625 PH SS	EA	\$ 4.00
10601	BALL, .500 TEFLON	EA	\$ 10.00
10626	VARIATOR ASM, 115V	EA	\$ 11.00
10627	VARIATOR ASM, 220-250V	EA	\$ 16.00
10659	BALL, .375 SS	EA	\$ 8.00
10681	HEAD, 3.0 PP	EA	\$ 426.00
10746	BRACKET, PUMP HOLD-DOWN	EA	\$ 14.00
10792	VALVE SEAT, 1/2 TUBING	EA	\$ 31.00
10793	VALVE HOUSING, 1/2	EA	\$ 34.00
10804	CONNECTOR ASM	EA	\$ 45.00
10833	CONNECTOR, 3/8 TUBE PP	EA	\$ 24.00
10884	KIT, SEAL RING VITON 1/2	EA	\$ 76.00
10895	CONNECTOR ASM	EA	\$ 45.00
10928	KIT, SEAL RING VITON 3/8	EA	\$ 37.00
10930	KIT, SEAL RING TEFLON	EA	\$ 44.00
10978	VALVE SEAT, PP	EA	Obsolete
25029	VALVE ASM, INJ CK	EA	Obsolete
25042	BALL, .500 SS	EA	\$ 8.00
25073	VALVE ASM, INJ CHK	EA	Obsolete
25106	VALVE SEAT, SUC PP 1/2	EA	\$ 37.00
25108	FITTING, INJECTOR 1/2 PP	EA	\$ 35.00
25125	CAP, SLEEVE .690D PE	EA	\$ 4.00
25127	SCREW, 10-24 X 4.5 RH SS	EA	\$ 9.00
25128	RING, SEAL .500 TEFLON	EA	\$ 18.00
25154	VALVE ASM, FOOT LE-25T, 35T	EA	\$ 112.00
25156	VALVE ASM, DIS LE-25T	EA	\$ 91.00
25157	VALVE ASM, SUC LE-25T	EA	\$ 70.00
25173	VALVE HOUSING, .500 X 1/2 PP	EA	\$ 42.00
25178	VALVE ASM, INJ CK	EA	Obsolete
25197	KIT, SEAL RING TEFLON	EA	\$ 53.00
25199	VALVE HOUSING, UHMWPE	EA	\$ 71.00
25201	VALVE ASM, DIS LE-82T	EA	\$ 58.00
25202	VALVE ASM, SUC LE-82T	EA	\$ 48.00
25273	VALVE ASM, INJ 71FS 81FS	EA	Obsolete
25290	AGITATOR, 34" SS	EA	\$ 695.00
25292	AGITATOR, 34" N 220-240V	EA	\$ 801.00
25299	BOX, OUTER 12 X 9 X 11	EA	\$ 14.00
25301	INSERT, PACKING PSF	EA	\$ 21.00
25335	NOZZLE ASM, CORP STOP	EA	\$ 81.00
25344	BUSHING, .71ID X .75OD X .75 NY	EA	\$ 6.00
25411	VALVE ASM, DIS LE-26T	EA	\$ 72.00
25412	VALVE ASM, SUC LE-26T	EA	\$ 60.00
25550	HEAD, 0.9 ACRYLIC HV	EA	\$ 246.00
25558	SPRING, .42 X .24 X 1.0	EA	\$ 9.00
25600	VALVE SEAT, FOOT PP	EA	\$ 35.00
25628	NUT, 6-32 X HEX SS	EA	\$ 6.00
25630	CAP, TUBE	EA	\$ 4.00

Part Number	Description	UM	Price
25631	NUT, RELIEF TUBING	EA	\$ 7.00
25643	CONNECTOR FEMALE, CABLE 4-PIN	EA	\$ 16.00
25644	CONNECTOR MALE, CABLE 4-PIN	EA	\$ 31.00
25648	PLUG, 3/4 - 16 PP YELLOW	EA	\$ 5.00
25649	VALVE SEAT, PP	EA	\$ 33.00
25650	CONNECTOR, 1/2 NPT	EA	\$ 34.00
25652	CLAMP, HOSE	EA	\$ 9.00
25661	VALVE ASM, DIS LE-76/86,	EA	\$ 74.00
25662	VALVE ASM, SUC LE-76/86,	EA	\$ 63.00
25663	VALVE ASM, INJ CK LE-20H	EA	\$ 107.00
25687	VALVE ASM, INJ CK	EA	Obsolete
25718	HEAD, 6.0 ACRYLIC	EA	\$ 550.00
25719	LIQUIFRAM, 6.0 FLUOROFILM (NON FABRIC)	EA	\$ 154.00
25882	STROKE DIAL, BX1	EA	\$ 9.00
25905	HEAD, 6.0 PVC	EA	\$ 382.00
25906	HEAD, 6.0 PP	EA	\$ 382.00
25970	BOX, TANK 50 GALLON	EA	\$ 84.00
25977	VALVE ASM, FOOT LE-36	EA	\$ 108.00
25985	CAP ASM, TANK	EA	\$ 23.00
26001	VALVE SEAT, 1/2 NPT PVC	EA	\$ 60.00
26013	VALVE ASM, DIS LE-25P/35	EA	\$ 105.00
26014	VALVE ASM, SUC LE-35P	EA	\$ 91.00
26015	VALVE ASM, FOOT LE-25P	EA	\$ 112.00
26019	VALVE ASM, DIS LE-34	EA	\$ 101.00
26020	VALVE ASM, SUC LE-24	EA	\$ 81.00
26021	VALVE ASM, FOOT LE-24/34	EA	\$ 112.00
26024	VALVE, 1/2 NPT PVC	EA	\$ 66.00
26025	BALL, .188 TEFLON	EA	Obsolete
26032	VALVE SEAT, 1/2 NPT PP	EA	\$ 60.00
26033	VALVE HOUSING, 1/2 NPT	EA	\$ 63.00
26040	HEAD, 1.8 PP HV	EA	\$ 302.00
26136	CLAMP RING, 3/8 OD TUBING	EA	\$ 5.00
26293	CORD ASM, 115V B & C	EA	\$ 60.00
26297	CORD ASM, 220-250V DIN B	EA	\$ 35.00
26323	BALL GUIDE, .500 DIA	EA	\$ 11.00
26350	TANK AND COVER ASM	EA	\$ 492.00
26576	MOTOR, AGITATOR 115V	EA	\$ 566.00
26577	SHAFT ASM, AGITATOR 35"	EA	\$ 235.00
26579	FLANGE, AGITATOR MOUNTING	EA	\$ 86.00
26637	COVER, TANK 50 GALLON	EA	\$ 170.00
26710	VALVE ASM, INJ CK LE-25P/35P	EA	\$ 147.00
26713	VALVE ASM, INJ CK LE-30/36	EA	\$ 107.00
26716	VALVE ASM, INJ CK LE-24/34/24WK/34WK	EA	\$ 136.00
26731	SWITCH ASM, LL 115V	EA	\$ 611.00
26732	SWITCH ASM, LL 230V	EA	\$ 636.00
26751	VALVE ASM, INJ CK LE-26	EA	\$ 107.00
26758	VALVE ASM, INJ CK LE-25T	EA	\$ 107.00
26779	CAP, PLUG PE BLACK 10 GAL TANK	EA	\$ 5.00
26839	VALVE SEAT, PVDF 3/8 TUB	EA	Obsolete
26840	VALVE HOUSING, PVDF 3/8	EA	Obsolete
26841	FITTING, INJECTOR	EA	Obsolete
26851	VALVE ASM, INJ CK LE-20/21	EA	\$ 90.00
26893	EPU & SPACER ASM, "B"	EA	\$ 670.00
26897	EPU & SPACER ASM, "B"	EA	\$ 670.00
26900	TANK ASM, SATURATOR	EA	\$ 416.00
26983	O-RING, .937 ID X .139 W	EA	\$ 8.00
27034	SPRING & PAD ASM, D	EA	\$ 5.00
27039	CAP, PLUG 5.25OD PE	EA	\$ 8.00
27052	VALVE ASM, DIS LE-25HV/76-86PB	EA	\$ 79.00
27053	VALVE ASM, SUC LE-25HV/76PB	EA	\$ 84.00
27080	VALVE ASM, INJ 25HV 75HV	EA	\$ 104.00
27097	STICKER, STROKE DIAL DX4	EA	\$ 9.00
27214	HEAD, 1.8 PVDF	EA	\$ 154.00
27226	BOX, 20 1/4 X 20 1/4 X 31	EA	\$ 66.00
27253	RING, RETAINING EXT 3/8	EA	\$ 4.00
27300	VALVE, 1/4 ANGLE PVC	EA	\$ 247.00
27301	BUSHING, .375 ID X .375	EA	\$ 11.00
27352	FLAPPER VALVE,	EA	\$ 10.00
27394	HEAD, 3.0 316 SS	EA	\$ 1,816.00
27397	CONNECTOR, MALE 35	EA	\$ 12.00
27400	TANK ASM, 35 GAL	EA	\$ 574.00
27401	NIPPLE, 1/4 CLOSE PVC	EA	\$ 10.00
27417	SWITCH ASM, LL 35 GAL	EA	\$ 574.00
27511	HEAD, 1.8 UHMWPE SLURRY	EA	\$ 282.00
27516	SPACER, 1.8SI 4.2C	EA	\$ 156.00
27517	SPACER, 3.0SI 4.2C	EA	\$ 91.00
27530	VALVE ASM, DIS LE-37	EA	\$ 333.00
27535	VALVE ASM, FOOT LE-27/37	EA	\$ 661.00
27586	SHIM, 3.5S 4.2C NY	EA	\$ 4.00
27591	AGITATOR, 27" SS 115V	EA	\$ 662.00
27641	STUD ASM, 3.5 SI 4.2C	EA	\$ 12.00
28390	HEAD, 0.5 ACRYLIC	EA	\$ 222.00
28391	HEAD, 0.5 PP	EA	\$ 325.00

PARTS by Number

Part Number	Description	UM	Price
28410	LABEL, MODEL # FIELD	EA	\$ 6.00
28663	FERRULE, 1/4" OD	EA	\$ 5.00
28664	VALVE SEAT, 1/4 TUBING	EA	Obsolete
28665	VALVE HOUSING, 1/4	EA	Obsolete
28804	CONNECTOR, TUBING	EA	Obsolete
28882	VALVE SEAT, 1/4 TUBING	EA	Obsolete
28883	VALVE HOUSING, 1/4	EA	Obsolete
28896	CONNECTOR ASM,	EA	Obsolete
28898	DOWEL, PLASTIC, .250 OD X 1.75L	EA	\$ 5.00
28925	HOUSING LESS WIRES	EA	\$ 149.00
28970	HOUSING ASM, 115V B7 BE	EA	\$ 244.00
28983	HOUSING ASM, 220-240V	EA	\$ 259.00
29190	SWITCH ASM, LEVEL A7 B7 D7	EA	\$ 126.00
29256	HOUSING, B1 SERIES	EA	\$ 210.00
29437	DISK, 0.9	EA	\$ 10.00
29445	DISK, 0.5	EA	\$ 11.00
29609	HEAD, 0.5 PVDF	EA	\$ 134.00
29611	HEAD, 0.9 PVDF	EA	\$ 189.00
29788	CORD ASM, 240V	EA	\$ 36.00
30107	EPU ASM W/DISK, 0.5	EA	\$ 377.00
30154	EPU ASM, 3.0 82 OHMS	EA	\$ 377.00
30155	EPU, 3.0 330 OHMS	EA	\$ 276.00
30240	EPU ASM W/DISK, 0.5	EA	\$ 377.00
30242	EPU ASM W/DISK, 0.9	EA	\$ 377.00
30348	SPRING, COATED	EA	\$ 45.00
30375	VALVE HOUSING, PVC	EA	Obsolete
30383	VALVE SEAT, PVC	EA	Obsolete
30414	BOX, "U" AND "P" PUMP	EA	\$ 12.00
30481	VALVE ASM, DIS LE-20PB/66PB/76PB/ 86PB	EA	\$ 87.00
30530	EPU, 3.0 82 OHMS 120 V	EA	\$ 377.00
30531	EPU, 3.0 313 OHMS 240V	EA	\$ 399.00
30643	LABEL COVER, CLEAR	EA	\$ 4.00
30709	KNOB, PUSH-ON	EA	\$ 11.00
30744	PLUG, CAP 1-14	EA	\$ 4.00
30803	GASKET, NEOPRENE	EA	\$ 4.00
30856	SCREW, 10-24 1.25L SS	EA	\$ 5.00
30896	CABLE ASM, CORP STOP 3/4	EA	\$ 39.00
30897	CABLE ASM, CORP STOP 1" STD	EA	\$ 60.00
30916	LIQUIFRAM, 0.5 FLUORFILM	EA	\$ 96.00
30917	LIQUIFRAM, 0.9 FLUORFILM	EA	\$ 101.00
30926	CORD ASM, 115V	EA	\$ 60.00
30970	WASHER, PLUNGER ASM	EA	\$ 8.00
31032	INSERT, "B" SERIES	EA	\$ 7.00
31053	HEAD, 3.0 PVDF MOLDED	EA	\$ 202.00
31255	VARISTOR ASM, 240V	EA	\$ 15.00
31271	DIVIDER ASM, PD-4	EA	\$ 551.00
31277	CONNECTOR ASM, 8 PIN	EA	\$ 39.00
31332	VALVE HOUSING, BARBED PP	EA	\$ 31.00
31419	LIQUIFRAM, 3.0 FLUORFILM (NON FABRIC)	EA	\$ 112.00
31420	LIQUIFRAM, 1.8 FLUORFILM	EA	\$ 107.00
31562	VALVE HOUSING, 1/2 TUBING PVDF	EA	\$ 50.00
31862	EPU, 3.0 82 OHMS	EA	\$ 266.00
31891	KNOB ASM, "B" SERIES	EA	\$ 15.00
31898	STROKE ADJ ASM, B SERIES	EA	\$ 105.00
31927	EPU W/STROKE ADJ, "B" 0.9 115V (D SHAFT)	EA	\$ 670.00
31929	EPU W/STROKE ADJ, "B" 1.8 115V (D SHAFT)	EA	\$ 670.00
31937	VALVE SEAT, 1/2 TUBING	EA	\$ 55.00
31938	VALVE HOUSING, 1/2" TUBING	EA	\$ 63.00
32088	VALVE ASM, INI, CHECK	EA	Obsolete
32158	EPU ASM, 120V, CX01,CX11	EA	\$ 889.00
32159	EPU ASM, 220/240V	EA	\$ 889.00
32239	EPU ASM, C761/C771	EA	\$ 1,371.00
32314	EPU ASM, 120V C781	EA	\$ 1,371.00
32329	EPU & SPACER ASM, C771	EA	\$ 1,371.00
32405	HOUSING ASM, C7X6	EA	\$ 271.00
32465	STROKE DIAL, CX1	EA	\$ 9.00
32466	STROKE DIAL, CX2/CX6	EA	\$ 9.00
32467	STROKE DIAL, CX3	EA	\$ 10.00
32506	HEAD, 0.5 SS 316	EA	\$ 453.00
32507	HEAD, 0.9 SS 316	EA	\$ 514.00
32508	HEAD, 1.8 SS 316	EA	\$ 586.00
32509	HEAD, 3.0 SS 316	EA	\$ 489.00
32514	VALVE ASM, INI CHECK SS	EA	\$ 100.00
32515	VALVE ASM, CHECK 316 SS	EA	\$ 81.00
32534	EPU & SPACER ASM, "C" 1.8SI 120V	EA	\$ 1,098.00
32536	EPU & SPACER ASM, "C" 3.0SI 120V	EA	\$ 1,098.00
32654	SHIM, .020 THICK 4.2	EA	\$ 10.00
32862	BUSHING, SHAFT AX1S	EA	Obsolete
33211	CONTROL PANEL ASM, B7/C7	EA	\$ 710.00
33212	CONTROL PANEL ASM, 230V	EA	\$ 775.00
33256	MAGNET, DIGIPULSE	EA	\$ 59.00
33264	O-RING, .674 ID X .103 W POLYPREL	EA	\$ 5.00
33480	VALVE ASM, FT LE-32, 32S	EA	\$ 122.00

Part Number	Description	UM	Price
33481	VALVE ASM, INJ CK LE-22/32/32S	EA	\$ 121.00
33482	VALVE ASM, SUC LE-22/32/32S	EA	\$ 135.00
33510	SWITCH ASM, LL 35 GAL (230V)	EA	\$ 586.00
33536	VALVE ASM, DIS LE-22/32	EA	\$ 90.00
33738	CABLE ASM, 8 PIN/8WIRE	EA	\$ 52.00
33796	CABLE ASM, 4 PIN/4 WIRE	EA	\$ 59.00
33814	CONTROL PANEL ASM, C701/C711	EA	\$ 628.00
33816	CONTROL PANEL ASM, C721	EA	\$ 1,007.00
33817	CONTROL PANEL ASM, C72X	EA	\$ 808.00
33818	CONTROL PANEL ASM, C731	EA	\$ 808.00
33819	CONTROL PANEL ASM, C73X	EA	\$ 808.00
33820	PANEL ASM, CONTROL	EA	\$ 878.00
33821	CONTROL PANEL ASM, C74X	EA	\$ 808.00
33822	CONTROL PANEL ASM, C781	EA	\$ 808.00
33823	CONTROL PANEL ASM, C78X	EA	\$ 808.00
33833	CABLE ASM, HALL EFFECT	EA	\$ 103.00
34093	CONTROL PANEL ASM, B711	EA	\$ 710.00
34114	Plug, Audio 3.5 MM	EA	\$ 6.00
34115	GASKET, PACKJOINT	EA	\$ 7.00
34116	RING, ANTI-FRICTION	EA	\$ 8.00
34118	GASKET, PACK JOINT	EA	\$ 10.00
34497	O-RING, 0.25ID x 0.437OD	EA	\$ 4.00
34504	AGITATOR, 27" SS 230V	EA	\$ 681.00
34566	FLOW CONTROLLER	EA	\$ 850.00
35184	LABEL SET, SILVER (BLANK)	EA	\$ 5.00
35269	O-RING, 4.984 ID X .139	EA	\$ 13.00
35394	SPACER W/PLUG 5X5 1.8	EA	\$ 93.00
35395	SPACER W/PLUG 5X5 3.0	EA	\$ 93.00
35398	HOUSING, 5 X 5 W/PG9	EA	\$ 141.00
35404	HOUSING, LESS WIRES	EA	\$ 250.00
35420	VALVE SEAT, 1/2" NPT	EA	\$ 223.00
35585	VALVE HOUSING, 1/2" NPT	EA	\$ 132.00
35643	CYLINDER, CALIBRATION 200 ML SEALED TOP	EA	\$ 188.00
35644	CYLINDER, CALIBRATION 1000 ML SEALED TOP	EA	\$ 207.00
35645	CYLINDER, CALIBRATION 200 ML EZ CLEAN	EA	\$ 143.00
35710	CYLINDER, CALIBRATION 1000mL EZ Clean	EA	\$ 199.00
35743	SHAFT, SPEED ADJ	EA	\$ 7.00
35744	PIN, DUAL	EA	\$ 7.00
35837	SPACER, 0.9 W/O BOSSES	EA	\$ 91.00
35838	SPACER, 1.8 W/O BOSSES	EA	\$ 136.00
35839	SPACER, 3.0 W/O BOSSES	EA	\$ 129.00
35890	HOUSING, B9/C9	EA	\$ 299.00
36103	O-RING, .549 ID X .103 W POLYPREL	EA	\$ 6.00
36107	WASHER, CARTRIDGE VALVE	EA	\$ 4.00
36128	HEAD, MOLDED 3.0 PVDF	EA	\$ 227.00
36156	HEAD, MACHINED 0.5 ACRYLIC	EA	\$ 243.00
36157	HEAD, MACHINED 0.9	EA	\$ 187.00
36159	HEAD, MACHINED 3.0	EA	\$ 281.00
36204	COUPLING, FOOT VALVE PP	EA	\$ 24.00
36229	CONTROL PANEL ASM, B121, B131, B141	EA	\$ 476.00
36237	CONTROL PANEL ASM, C101/C111	EA	\$ 490.00
36240	CONTROL PANEL ASM, C121	EA	\$ 419.00
36243	CONTROL PANEL ASM, C131	EA	\$ 490.00
36246	CONTROL PANEL ASM, C141	EA	\$ 443.00
36254	PULSER, FIXED	EA	\$ 137.00
36256	PANEL W/NAMEPLATE, B1/C1	EA	\$ 45.00
36260	CAP ASM, RELIEF	EA	Consult
36280	CAP ASM, A/S	EA	Consult
36303	CARTRIDGE ASM, .281	EA	\$ 39.00
36304	CARTRIDGE ASM, .281	EA	\$ 39.00
36306	CARTRIDGE ASM, .375	EA	\$ 39.00
36307	CARTRIDGE ASM, .375	EA	\$ 27.00
36346	VALVE ASM, FOOT 1/4"	EA	\$ 76.00
36352	VALVE ASM, FOOT 3/8"	EA	\$ 76.00
36354	VALVE ASM, SUC 3/8" PVDF	EA	\$ 69.00
36358	VALVE ASM, FOOT 1/2"	EA	\$ 76.00
36360	VALVE ASM, SUC 1/2" PVDF	EA	\$ 69.00
36366	VALVE ASM, SUC 1/4" NPT	EA	\$ 69.00
36413	VALVE ASM, FOOT 1/4"	EA	\$ 77.00
36415	VALVE ASM, SUC 1/4" PVDF	EA	\$ 90.00
36418	VALVE ASM, SUC 3/8" PVDF	EA	\$ 69.00
36419	VALVE ASM, FOOT 1/2" PVDF POLYPREL	EA	\$ 76.00
36421	VALVE ASM, SUC 1/2" PVDF	EA	\$ 48.00
36424	VALVE ASM, SUC 1/4" NPT	EA	\$ 50.00
36502	VALVE ASM, FOOT 1/4" NPT	EA	\$ 76.00
36504	VALVE ASM, SUC 1/4" NPT	EA	\$ 48.00
36905	SPACER, FM-PRO	EA	\$ 23.00
37113	FITTING WITH WASHER, 1/4" TUBING PVDF (CART)	EA	\$ 29.00
37115	FITTING WITH WASHER, 3/8" TUBING PVDF (CART)	EA	\$ 29.00
37117	FITTING WITH WASHER, 1/2" TUBING PVDF (CART)	EA	\$ 29.00
37119	FITTING WITH WASHER, 1/4" NPT PVDF (CART)	EA	\$ 29.00
37144	SCREW KIT, HASTELLOY (4)		\$ 151.00
37203	CLAMP RING, 1/2" TUBING SST		\$ 5.00

PARTS by Number

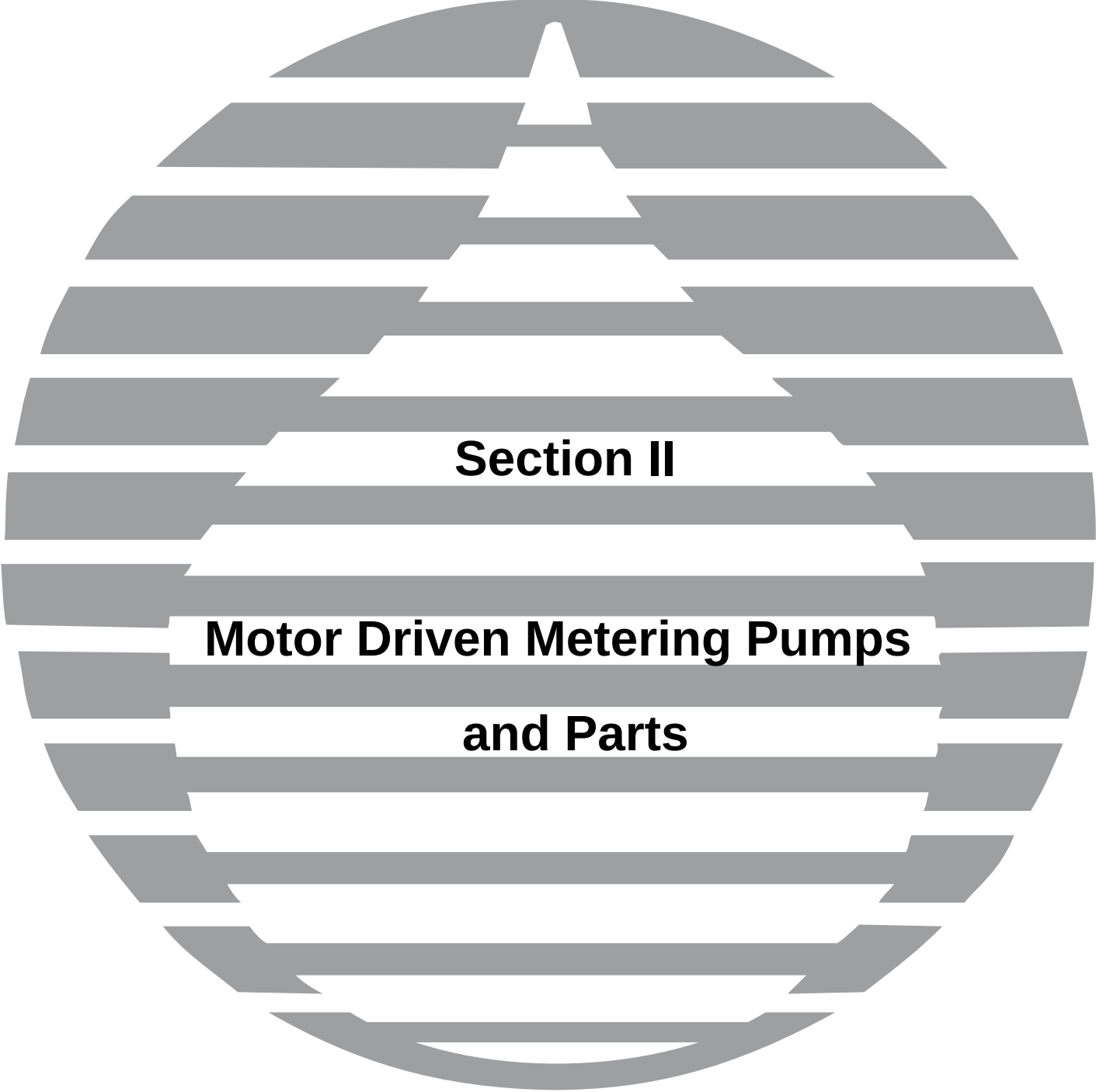
Part Number	Description	UM	Price
37334	Liquid End Cartridge	EA	\$ 27.00
37335	Liquid End Cartridge	EA	\$ 32.00
37337	Liquid End Cartridge	EA	\$ 27.00
37338	Liquid End Cartridge	EA	\$ 32.00
37341	SPRING, COMPRESSION	EA	\$ 8.00
37349	KIT, REPLACEMENT, SPRING LOADED LIQUIPRO INJ C	EA	\$ 16.00
37351	FITTING, LIQUIPRO	EA	\$ 35.00
37354	VALVE ASM, INJ 1/4" PVDF	EA	\$ 90.00
37356	VALVE ASM, INJ 3/8" PVDF	EA	\$ 84.00
37358	VALVE ASM, INJ 1/2" PVDF	EA	\$ 90.00
37360	VALVE ASM, INJ 1/4" NPT	EA	\$ 84.00
37394	BOX, 15 1/8 X 10 5/8 X 10 13/16 BROWN PRINTED	EA	\$ 20.00
37539	SPRING, CLEAR PVDF	EA	\$ 20.00
37742	HEAD, 1.8 MACHINED PVC	EA	\$ 308.00
37745	HEAD, 3.0 MACHINED PVC	EA	\$ 271.00
37750	HEAD, 0.5 MOLDED PVC	EA	\$ 81.00
37752	HEAD, 0.9 MOLDED PVC	EA	\$ 93.00
37754	HEAD, 1.8 MOLDED PVC	EA	\$ 154.00
37756	HEAD, 3.0 MOLDED PVC	EA	\$ 172.00
37763	FITTING WITH WASHER,	EA	Obsolete
37765	FITTING WITH WASHER,	EA	Obsolete
37767	FITTING WITH WASHER,	EA	Obsolete
37769	FITTING WITH WASHER,	EA	Obsolete
37845	VALVE ASM, FOOT 3/8" PVDF POLYPREL	EA	\$ 76.00
37846	VALVE ASM, SUC 1/4" PVDF POLYPREL	EA	\$ 46.00
37848	VALVE ASM, INJ 1/4" PVDF	EA	\$ 110.00
37857	CARTRIDGE ASM, .375 PVC/POLYPREL	EA	\$ 27.00
37858	Liquid End Cartridge	EA	\$ 27.00
37859	Liquid End Cartridge	EA	\$ 27.00
37980	HEAD, 0.5 MOLDED PVDF(DEEP COR	EA	\$ 121.00
38018	VALVE ASM, SUC 1/4" PVC	EA	Consult
38019	VALVE ASM, SUC 3/8" PVC	EA	\$ 44.00
38020	VALVE ASM, SUC 1/2" PVC	EA	Obsolete
38025	VALVE ASM, INJ 1/4" PVC	EA	Obsolete
38026	VALVE ASM, INJ 3/8" PVC	EA	Obsolete
38027	VALVE ASM, INJ 1/2" PVC	EA	Obsolete
38033	VALVE ASM, FOOT 1/2"	EA	Obsolete
38271	VALVE ASM, FOOT	EA	\$ 105.00
38490	WASHER, FLAT #10 SS 316	EA	\$ 4.00
38561	HEAD, 0.9 MACHINED	EA	\$ 207.00
38562	HEAD, 0.9 MACHINED PVC	EA	\$ 173.00
38568	HEAD, 0.9 ACRYLIC HV	EA	\$ 222.00
38569	HEAD, 0.9 PP HV	EA	\$ 277.00
38571	HEAD, 0.5 ACRYLIC HV	EA	\$ 308.00
38572	HEAD, 0.5 PP HV	EA	\$ 267.00
38578	HEAD, 0.5 MACHINED	EA	\$ 207.00
38579	HEAD, 0.5 MACHINED PVC	EA	\$ 188.00
38592	HEAD, 1.8 ACRYLIC HV	EA	\$ 230.00
38593	HEAD, 1.8 PP HV	EA	\$ 244.00
38595	HEAD, 1.8 ACRYLIC MACH	EA	\$ 238.00
38596	HEAD, 1.8 PVC MACHINED	EA	\$ 243.00
48167	DISK, LE ADAPTER SC1	EA	\$ 11.00
48168	DISK, LE ADAPTER SC2	EA	\$ 12.00
48169	DISK, LE ADAPTER SC3	EA	\$ 10.00
48170	DISK, LE ADAPTER SC4	EA	\$ 10.00
48186	LIQUIFRAM, SC1	EA	\$ 96.00
48187	LIQUIFRAM, SC2	EA	\$ 101.00
48188	LIQUIFRAM, SC3	EA	\$ 107.00
48189	LIQUIFRAM, SC4	EA	\$ 112.00
48214	HEAD, MACHINED, SC1 ACL	EA	\$ 179.00
48216	HEAD, MACHINED, SC1 PP	EA	\$ 219.00
48218	HEAD, MACHINED, SC2 ACL	EA	\$ 185.00
48219	HEAD, MACHINED, SC2 PVC	EA	\$ 143.00
48220	HEAD, MACHINED, SC2 PP	EA	\$ 192.00
48222	HEAD, MACHINED, SC3 ACL	EA	\$ 332.00
48224	HEAD, MACHINED, SC3 PP	EA	\$ 200.00
48226	HEAD, MACHINED, SC4 ACL	EA	\$ 202.00
48231	CORD, POWER USA 120V	EA	Obsolete
48313	RETAINING RING, 8MM	EA	\$ 8.00
48347	O-RING, 2-008 80D AFLAS	EA	\$ 4.00
48349	O-RING, 2-111, 80DUR AFLAS	EA	\$ 6.00
48363	HEAD, MOLDED FASTPRIME SC2	EA	\$ 98.00
48364	HEAD, MOLDED FASTPRIME SC2	EA	\$ 104.00
48366	HEAD, MOLDED FASTPRIME SC3	EA	\$ 154.00
48367	HEAD, MOLDED FASTPRIME SC3	EA	\$ 170.00
48369	HEAD, MOLDED FASTPRIME SC4	EA	\$ 159.00
48370	HEAD, MOLDED FASTPRIME SC4	EA	\$ 153.00
48414	CORDSET, 5-PIN REVERSE KEY	EA	\$ 83.00
48414	Cordset, Roytronic 5 pin	EA	\$ 83.00
48422	HEAD, AUTOPRIME, SC1 ACL	EA	\$ 355.00
48423	HEAD, AUTOPRIME, SC1 PVC	EA	\$ 181.00
48425	HEAD, AUTOPRIME, SC2 ACL	EA	\$ 225.00
48426	HEAD, AUTOPRIME, SC2 PVC	EA	\$ 218.00

Part Number	Description	UM	Price
48428	HEAD, AUTOPRIME, SC3 ACL	EA	\$ 305.00
48429	HEAD, AUTOPRIME SC3 PVC	EA	\$ 207.00
48431	HEAD, AUTOPRIME, SC4 ACL	EA	\$ 330.00
48432	HEAD, AUTOPRIME, SC4 PVC	EA	\$ 197.00
48471	HEAD, SC1, 316 SS	EA	\$ 489.00
48472	HEAD, SC2, 316 SS	EA	\$ 477.00
48473	HEAD, SC3, 316 SS	EA	\$ 489.00
48474	HEAD, SC4, 316 SS	EA	\$ 489.00
48488	ADAPTER, ROYTRONIC ACCESSORIES	EA	\$ 77.00
48490	CONNECTOR, 5-PIN REVERSE KEY	EA	\$ 66.00
48543	CARTRIDGE VALVE, 920, 930, 940	EA	\$ 27.00
48545	CARTRIDGE VALVE, 915, 813	EA	\$ 27.00
48546	CARTRIDGE VALVE, 925, 935, 945	EA	\$ 27.00
48549	FASTPRIME CARTRIDGE VALVE, 920	EA	\$ 27.00
48551	FASTPRIME CARTRIDGE VALVE, 915	EA	\$ 27.00
48552	FASTPRIME CARTRIDGE VALVE, 925	EA	\$ 27.00
48589	O-RING, PTFE, 2-113	EA	\$ 6.00
48590	O-RING, PTFE, 2-007 , WHITE	EA	\$ 4.00
48591	O-RING, PTFE, 2-111	EA	\$ 6.00
48594	CONTROL PANEL AD2	EA	\$ 230.00
48595	CONTROL PANEL AD8	EA	\$ 250.00
48596	CONTROL PANEL AD9	EA	\$ 262.00
48599	HOUSING, AD	EA	\$ 325.00
48603	COVER, CLEAR AD	EA	\$ 21.00
48617	FITTING, INJECTION VLV, PVC	EA	\$ 23.00
48618	FITTING, INJECTION VLV, PVDF	EA	\$ 32.00
48622	4FV Bleed Nut - Roytronic	EA	\$ 9.00
48646	COUPLING KNOB, 4FV	EA	\$ 9.00
48646	COUPLING KNOB, 4FV	EA	\$ 9.00
48670	FASTPRIME DISCHARGE CV	EA	\$ 52.00
48672	FASTPRIME DISCHARGE CV	EA	\$ 90.00
48676	SUCTION CHECK VALVE, 728, 738,	EA	\$ 39.00
48677	SUCTION CHECK VALVE, 812	EA	\$ 53.00
48678	SUCTION CHECK VALVE, 813	EA	\$ 51.00
48679	SUCTION CHECK VALVE	EA	\$ 90.00
48680	SUCTION CHECK VALVE, 823, 833,	EA	\$ 90.00
48681	SUCTION CHECK VALVE	EA	\$ 66.00
48682	SUCTION CHECK VALVE, 915	EA	\$ 90.00
48683	SUCTION CHECK VALVE, 919	EA	\$ 90.00
48684	SUCTION CHECK VALVE	EA	\$ 53.00
48685	SUCTION CHECK VALVE, 925, 935	EA	\$ 90.00
48686	SUCTION CHECK VALVE, 929, 939,	EA	\$ 90.00
48692	CARTRIDGE VALVE, 929, 939, 949	EA	\$ 27.00
48698	FASTPRIME CARTRIDGE VALVE, 929	EA	\$ 27.00
48699	FASTPRIME VALVE, 8X2, 9X9	EA	\$ 45.00
48700	FASTPRIME VALVE, 8X3	EA	\$ 41.00
48701	FASTPRIME VALVE, 9X5	EA	\$ 47.00
48702	LIQUID END HARDWARE, 9XX	EA	\$ 10.00
48703	LIQUID END HARDWARE, 7XX, 8XX	EA	\$ 10.00
48704	AUTOPRIME DISCHARGE CHECK	EA	\$ 90.00
48705	AUTOPRIME DISCHARGE CHECK	EA	\$ 90.00
48706	AUTOPRIME DISCHARGE CARTRIDGE	EA	\$ 51.00
48707	AUTOPRIME DISCHARGE CARTRIDGE	EA	\$ 42.00
48708	AUTOPRIME SHUTTLE VALVE	EA	\$ 93.00
48709	AUTOPRIME SHUTTLE CARTRIDGE	EA	\$ 77.00
48718	FOOT VALVE, 910, X18	EA	\$ 76.00
48719	FOOT VALVE, 919	EA	\$ 76.00
48720	FOOT VALVE, 812	EA	\$ 76.00
48721	FOOT VALVE, 920, 930, 940	EA	\$ 76.00
48722	FOOT VALVE, 929, 939, 949	EA	\$ 77.00
48723	FOOT VALVE, 822, 832, 842	EA	\$ 77.00
48724	FOOT VALVE, 813	EA	\$ 76.00
48725	FOOT VALVE, 823, 833, 843	EA	\$ 77.00
48726	FOOT VALVE, 915	EA	\$ 77.00
48727	FOOT VALVE, 925, 935, 945	EA	\$ 77.00
48728	INJECTION VALVE, 9X0, XX8	EA	\$ 71.00
48729	INJECTION VALVE, 9X5	EA	\$ 74.00
48730	INJECTION VALVE, 9X9	EA	\$ 74.00
48731	INJECTION VALVE, 8X2	EA	\$ 71.00
48732	INJECTION VALVE, 8X3	EA	\$ 90.00
48743	HEAD, AUTOPRIME, 0.5 ACL	EA	\$ 225.00
48744	HEAD, AUTOPRIME, 0.9 ACL	EA	\$ 273.00
48745	HEAD, AUTOPRIME, 1.8 ACL	EA	\$ 217.00
48748	HEAD, AUTOPRIME, 1.8 PVC	EA	\$ 304.00
48767	DISCHARGE CHECK VALVE, SS	EA	\$ 159.00
48768	SUCTION CHECK VALVE, SS	EA	\$ 159.00
48787	FITTING SGL BALL WITH O-RING	EA	\$ 20.00
48788	FITTING SGL BALL WITH O-RING	EA	\$ 20.00
48789	FITTING SGL BALL WITH O-RING	EA	\$ 20.00
48790	FITTING SGL BALL WITH O-RING	EA	\$ 20.00
48791	FITTING DBL BALL WITH O-RING	EA	\$ 23.00
48792	FITTING DBL BALL WITH O-RING	EA	\$ 23.00
48793	FITTING DBL BALL WITH O-RING	EA	\$ 23.00

PARTS by Number

Part Number	Description	UM	Price
48794	FITTING DBL BALL WITH O-RING	EA	\$ 23.00
48795	INJECTION VLV CARTRIDGE	EA	\$ 27.00
48848	Fastprime Valve xx8, 9x0	EA	\$ 53.00
48851	CORD, POWER USA 120V	EA	\$ 60.00
48852	CORD, POWER USA 230V	EA	\$ 60.00
48873	Foot Valve,3/8" PVC/TFE	EA	\$ 76.00
49031	Housing ASM, 120 V	EA	Obsolete
49035	Cordset, Roytronic 6 pin	EA	\$ 107.00
49088	VALVE ASM, SUC PVC/AFI/CER	EA	\$ 44.00
49089	VALVE ASM, SUC PVDF/AFI/CER	EA	\$ 90.00
49090	VALVE ASM, SUC PVDF/AFI/CER	EA	\$ 47.00
49092	VALVE ASM, SUC PVDF/PTFE/CER	EA	\$ 90.00
49093	VALVE ASM, SUC PVDF/AFI/PTFE	EA	\$ 90.00
49094	VALVE ASM, SUC PVDF/AFI/PTFE	EA	\$ 54.00
49097	CARTRIDGE SUB ASM, SPRING	EA	\$ 42.00
49098	VALVE ASM, DIS SPRING	EA	\$ 90.00
49099	Foot Valve,PVC/AFI/CER,358, 450, 458	EA	\$ 66.00
49100	Foot Valve,PVC/AFI/CER, 3/498, 3/498, 460, 490	EA	\$ 76.00
49101	Foot Valve,PVDF/AFI/CER, 352	EA	\$ 77.00
49102	Foot Valve,PVDF/AFI/CER, 362, 392	EA	\$ 76.00
49103	Foot Valve,PVDF/PTFE/CER, 353	EA	\$ 77.00
49104	Foot Valve,PVDF/PTFE/CER, 363, 393	EA	\$ 77.00
49106	Foot Valve,PVDF/AFI/PTFE, 469, 499	EA	\$ 76.00
49107	Foot Valve,PP/PTFE/CER, 455	EA	\$ 77.00
49108	Foot Valve,PP/PTFE/CER, 465, 495	EA	\$ 77.00
49109	LIQUID END HARDWARE, 4XX, DXX	EA	\$ 10.00
49163	VALVE ASM, SUC	EA	\$ 90.00
49164	Foot Valve, 910A, 918A	EA	\$ 77.00
49165	Foot Valve, 920A, 928A	EA	\$ 76.00
49216	90 degree adapter		\$ 112.00
49246	Roytronic Low Level Switch Assembly		\$ 283.00
49249	Switch, Dual Liquid Level (Excel only)		\$ 345.00
49253	3 Pin Connector (4 Pin standard key)	EA	\$ 101.00
49287	CORP STOP ASM, 3/4" - CA AB1953 mat'l req.	EA	\$ 411.00
49288	CORP STOP ASSY, 1" - CA AB1953 mat'l req.	EA	\$ 446.00
49290	CORP STOP ASSY, 1" - CA AB1953 mat'l req.	EA	\$ 399.00
49329	Head, machined SC2 HV Acrylic	EA	\$ 196.00
49331	Head, machined SC2 HV PP	EA	\$ 176.00
49332	Head, machined SC2 HV Ported PP	EA	\$ 410.00
49334	Head, machined SC3 HV Acrylic		\$ 239.00
49336	Head, machined SC3 HV PP		\$ 176.00
49337	Head, machined SC3 HV Ported PP		\$ 410.00
49339	Head, machined SC4 HV Acrylic		\$ 197.00
49341	Head, machined SC4 HV PP	EA	\$ 176.00
49342	Head, machined SC4 HV Ported PP	EA	\$ 410.00
50508	50 piece 1/4" ferrule kit	EA	\$ 66.00
50509	50 piece 3/8" ferrule kit		\$ 130.00
50510	50 piece 1/2" ferrule kit		\$ 130.00
50529	HEAD, AUTOPRIME, 3.0 ACL		\$ 367.00
50530	HEAD, AUTOPRIME, 3.0 PVC		\$ 225.00
50663	PULSER ASM, AD2		\$ 492.00
50664	PULSER ASM, AD8		\$ 528.00
50665	PULSER ASM, AD9		\$ 649.00
54783	TUBING, UV KIT, 1/4"		Obsolete
54784	TUBING, UV KIT, 3/8"		\$ 60.00
55787	REED SWITCH TRANSMITTER W/ FLYING LEADS		\$ 44.00
55789	REED SWITCH TRANSMITTER W/ 4 PIN CONNECT.		\$ 123.00
55796	REED SWITCH TRANSMITTER W/ 3.5MM CONNEC.		\$ 110.00
57958	CABLE ADAPTOR, MP-100 FOR PD7		\$ 101.00
59235	FLOWMETER, RFP-075	EA	\$ 459.00
59236	FLOWMETER, RFP-100	EA	\$ 918.00
59237	FLOWMETER, RFP-150	EA	\$ 1,125.00
59238	FLOWMETER, RFP-200	EA	\$ 1,720.00
59239	SENSOR ASM,RFP-075,100,150,200	EA	\$ 165.00
10141-500	TUBING, .500 OD X .062 VINYL, 500 FEET	EA	Obsolete
10142-500	TUBING, .500 OD X .062 PE, 500 FEET	EA	\$ 621.00
10342-500	TUBING, .375 OD X .062 PE, 500 FEET	EA	\$ 584.00
10469-06	TUBING VINYL, .375 OD X .062, 6 FEET	EA	\$ 11.00
10469-500	TUBING VINYL, .375 OD X .062, 500 FT	EA	\$ 584.00
10492-1	VALVE SEAT, 1/4 NPT	EA	\$ 31.00
10493-1	VALVE HOUSING, 1/4 NPT	EA	\$ 33.00
10524-3	HEAD, 3.0 ACRYLIC	EA	\$ 339.00
10681-3	HEAD, 3.0 PP HV	EA	\$ 369.00
10681-4	HEAD, 3.0 PP	EA	\$ 615.00
10786-1	COUPLING, 1/2" NPT	EA	\$ 53.00
10792-1	VALVE SEAT, .375 X 1/4	EA	\$ 42.00
10793-1	VALVE HOUSING, .375 X	EA	\$ 48.00
25636-16	TUBING PE, .250 X .062, 16 FEET	EA	\$ 26.00
25636-500	TUBING PE, .250 OD X .062, 500 FEET	EA	\$ 70.00
25651-50	TUBING VINYL, .938 OD X .15, 50 FT	EA	\$ 606.00
25906-3	HEAD, 6.0 PP HV	EA	\$ 440.00
26050-1	HEAD, 0.9 PP HV	EA	\$ 387.00
26350-1	TANK W/COVER, DRILL	EA	\$ 516.00
26893CE	EPU & SPACER ASM, "B"	EA	\$ 670.00

Part Number	Description	UM	Price
27142-500	TUBING PE, .500 OD X .062, 500 FEET	EA	\$ 695.00
27342-500	TUBING PE, .375 OD X .062, 500 FEET	EA	\$ 772.00
27641-1	STUD ASM, 3.0 SI 4.2C	EA	\$ 11.00
28636-500	TUBING PE, .250 OD X .062, 500 FEET	EA	\$ 648.00
29033CE	CORD ASM, 115V CE	EA	\$ 60.00
31561-1	VALVE SEAT, 1/4 NPT PVDF	EA	\$ 60.00
31562-1	VALVE HOUSING, 1/4 NPT	EA	\$ 63.00
31927CE	EPU W/STROKE ADJ, "B"	EA	\$ 670.00
31929CE	EPU W/STROKE ADJ, "B"	EA	\$ 580.00
32158CE	EPU ASM, 120V C7 C9 CE	EA	\$ 889.00
32534CE	EPU & SPACER ASM, "C"	EA	\$ 1,098.00
32536CE	EPU & SPACER ASM, "C"	EA	\$ 1,098.00
35895CE	CONTROL PANEL ASM, B92/B93/B94 115V	EA	\$ 1,730.00
35949CE	HOUSING ASM, B9X1/C9X1	EA	\$ 262.00
35956CE	HOUSING ASM, B9X6/C9X6	EA	\$ 282.00
35960CE	CONTROL PANEL ASM, C901/C911 115V	EA	\$ 1,270.00
35962CE	CONTROL PANEL ASM, C921 115 V	EA	\$ 1,270.00
35964CE	CONTROL PANEL ASM, C931 115V	EA	\$ 1,270.00
35966CE	CONTROL PANEL ASM, C941 115V	EA	\$ 1,270.00
38568-1	HEAD, 0.9 ACRYLIC HV	EA	\$ 260.00
38569-1	HEAD, 0.9 PP HV	EA	\$ 263.00
38571-1	HEAD, 0.5 ACRYLIC HV	EA	\$ 434.00
38572-1	HEAD, 0.5 PP HV	EA	\$ 397.00
38592-1	HEAD, 1.8 ACRYLIC HV	EA	\$ 272.00
38593-1	HEAD, 1.8 PP HV	EA	\$ 333.00
50503-15	EXTENSION CABLE, 15 M / 49.2FT	EA	\$ 283.00
50503-6	EXTENSION CABLE, 6 M / 19.7FT	EA	\$ 165.00



Section II

Motor Driven Metering Pumps and Parts

Excel XR® Series



Manual

Communications

Enhanced

XRD

XRE

	Output Code	Max Output		Max Pressure	
		GPH	LPH	PSI	Bar
XRD	XRDx2	5.6	21.2	175	12
	XRDx3	14.0	53.0	75	5
	XRDx4	18.0	68.1	50	3.5
XRE	XREx2	16.0	60.6	150	10.3
	XREx3	32.0	121.1	100	6.9
	XREx4	53.0	200.6	60	4.1

For support:



What's in the Box

Excel XR units include:					Enhanced Model:	Communications Model:
 Manual	 Foot Valve	 Tubing (0 or 2 rolls) & Tube Connection Hardware	 Ceramic Foot Valve Weight	 Injection Check Valve	 4 Pin Cordset	 5 Pin Cordset

Note: Depending on the configuration of the LE, some of the items may not be included in the box.

Company Confidential

Prices subject to change without notice

METERING PUMP SERIES

General Description

The EXCEL[®] XR metering pump is a mechanically actuated diaphragm pump driven by advanced variable speed technology to provide the most accurate and reliable performance in the industry. This proven technology is easy to maintain and will provide years of maximum up-time service. The EXCEL XR pump fits seamlessly into the process control requirements of every application. All models come standard with a color backlit display, multi-language options and remote operation options.

General Performance Specifications

- Flow rate up to 18.0 GPH (68.1 LPH)
 - Pressure up to 175 psi (12.0 bar)
 - Steady state accuracy +/- 1%
 - Turndown 1000:1 (200:1 PTFE Seat, 500:1 FPM Seat)
 - Power Required - 42 W rated (ETL)
- ** Flow rates up to 53.0 GPH (200.6 LPH) to be released with XRE in 2020**

Weights and Shipping Dimensions

Weight (approximate)	lbs	kg
Plastic Head (unboxed)	14	6.35
SS Head (unboxed)	24.5	11.1
Domestic Box	22	10

Domestic Box Dimensions	
Inches	Metric
16.5" x 18" x 13.5"	420 x 457 x 343

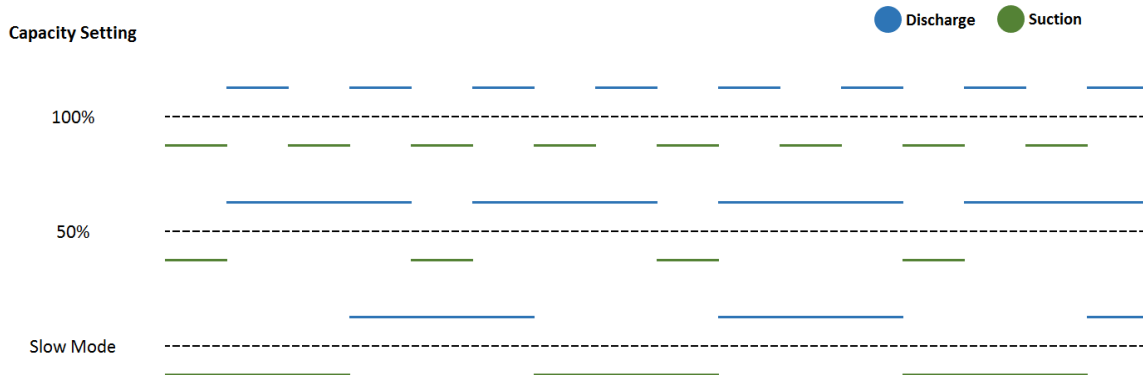
Temperature & Environmental Ratings

Unit	Ambient	Process Fluid	Storage
Fahrenheit	14°F to +104°F	14°F to +104°F	-40°F to +158°F
Celsius	-10°C to +40°C	-10°C to +40°C	-40°C to +70°C

Operating humidity range:	0-95% RH (Non-condensing)
Ingress protection:	IP65 / NEMA 4X
Operation environment:	Indoor

Drive Specifications

The drive is powered by an electronically controlled variable speed stepper motor which provides accurate dosing output of the fixed stroke length drive.



Capacity Adjustment

Variable speed stepper motor with controlled stroke profile. The profile features constant speed suction, and the discharge stroke is used to control pump capacity. This takes full advantage of the characteristics of a positive displacement pump, in that once the fluid is within the pump head, discharging it is highly controllable and predictable.

The profile also has a configurable feature allowing the suction stroke to be extended to better handle viscous fluids, or fluids with high specific gravity. The chart below indicates how the flexible stroke profile functions.

Overpressure Protection

An external safety relief valve is required for safe installation. The pump includes motor stall detection in the event of motor stall, but is not sufficient as the only means of overpressure protection.

EXCEL® XR SPECIFICATIONS

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Lubrication System

Pump is factory lubricated for life.

Pump Housing Material

Polyphenylene ether and Polystyrene blend - 20% glass reinforced

Liquid End Specifications

Mechanically actuated diaphragm with suction and discharge ball check valves.

Materials

Refer to Price Tables for most materials

Spring Materials:

In High Viscosity Liquid ends - Spring material is 316ss

Injection Valve Spring Material - Hastelloy C 276

Performance Specifications

Turndown Ratio:	1000:1 (200:1 PTFE Seat, 500:1 FKM Seat)
Steady State Accuracy:	± 1.0%
Repetitive Accuracy:	± 3.0%
Linearity:	± 3.0%
Duty Rating:	Continuous

Suction Lift and Pressure

Drive	Max. Suction Lift [ft]	Max. Suction Lift [m]	Max. Suction Inlet Pressure [psi]	Max. Suction Inlet Pressure [bar]
XRDx2	13.1	4	30	2
XRDx3	13.1	4	30	2
XRDx4	6.5	2	30	2
XREx2	13.1	4	30	2
XREx3	6.5	2	30	2
XREx4	6.5	2	30	2

Testing

Standard Production Test: Every pump is tested to assure the pump meets capacity and pressure expectations and functions as expected.

Certifications

NSF 61

CE Compliant

ETL listed by Intertek to UL 61010-1 issued 2012/5/11 edition 3, and CSA C22.2#61010-1 issued 2012/5/11 edition 3

Dimension Drawing and Documentation

Description	No.
Customer Data Sheet	59261
Brochure	59260
Customer Dimensional Drawing	59017
Installation, Operation and Maintenance	54630
Enhanced Supplement	54772
Modbus Supplement	55312
Profibus Supplement	55313
Instruction Supplement	59288
Quick Start Guide	54941

EXCEL® XR SPECIFICATIONS

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	Manual	Enhanced	Communications
User Interface			
Four Color Backlit graphical display	●	●	●
Flow rate or volume display (GPH, L/hr)	●	●	●
Capacity setting display	●	●	●
Start/Stop button	●	●	●
Mode/Select button	●	●	●
Full capacity (100%) button	●	●	●
Prime button	●	●	●
Active operation mode indication on display	●	●	●
Active alarm indication on display	●	●	●
Calibration status indication on display	●	●	●
Control Modes			
Manual (Internal)	●	●	●
Analog [0/4-20 mA] (External)	●	●	●
Pulse [volume/pulse] (External)	●	●	●
Batch (External)	●	●	●
Cycle Timer (Internal)	●	●	●
Timed event (Internal)	●	●	●
Control Input			
Programmable digital contacts	1	4	4
User 1**	●	●	●
User 2**	●	●	●
User 3**	●	●	●
Single level float switch	●	●	●
Dual low level float switch	●	●	●
Pulse control	●	●	●
Remote start/stop	●	●	●
Remote internal/external mode selection	●	●	●
Programmable analog inputs	0	2	2
Pacing	●	●	●
Tank level	●	●	●
Control Protocol			
Modbus RTU*	●	●	●
Profibus DP*	●	●	●

* Must order pump configured for your control protocol

	Manual	Enhanced	Communications
Control Output			
Programmable digital contacts	0	2	2
Pump running	●	●	●
Pump standby/stopped [not pumping but ready]	●	●	●
Alarm status	●	●	●
User alarm status	●	●	●
Internal/External mode indication	●	●	●
Pump stopped	●	●	●
Stroke pulse	●	●	●
Timed event running	●	●	●
Programmable analog output	0	1	1
Flow rate [4-20 mA correlates to 0 - max capacity]	●	●	●
Mirror analog input 1	●	●	●
Mirror analog input 2**	●	●	●
Power supply for remote device [24V] (eg. Flow sensor)	0	1	1
Operation functions			
Capacity control by motor speed variation	●	●	●
Variable stroke profile (variable discharge speed/constant suction speed)	●	●	●
Slow suction mode for viscous or degassing media	●	●	●
Calibration function (single point)	●	●	●
Prime feature (max capacity) button, timer	●	●	●
Totalizer (strokes, volume, hours motor operation, number of power cycles)	●	●	●
Keypad lock (software driven with password)	●	●	●
Clock feature (date and 12 hour time)	●	●	●
Diaphragm replacement mode (sets stroke to extended position)	●	●	●
Display firmware revision	●	●	●
Load factory defaults	●	●	●
Battery to maintain date and time settings when main power is removed	●	●	●
EEPROM nonvolatile memory (configurations saved/powers up in last used mode)	●	●	●
Internal/External input control mode configuration	●	●	●
Alarm output mask configuration (configure which events trigger alarm output relay)	●	●	●
Analog input response curve customization	●	●	●
Input pulse width setting	●	●	●
Start/Stop via remote signal	●	●	●
Pump switch off on tank empty	●	●	●
Modbus RTU / Profibus DP protocol	●	●	●
StayPrime Degassing Technology**	●	●	●
Alarm Log**	●	●	●

** Features coming to software version 2.0 alongside launch of XRE in 2020

EXCEL® XR

PUMP SELECTION AND PRICING

63

XRD - OUTPUT CODE 2

151 SPM Max.

Size Code 4

5.6 GPH (21.2 LPH); 175 psi (12 bar)

Note: High Viscosity option and PE tube limited to 150 psi (10.3 bar)

XRDx2												
Drive End									Price			
Control	Description			Cordset Included		Part Number						
XRD12	Manual Control			-		-			See Note			
XRD92	Enhanced Control			4 Pin Cordset		54711						
XRDP2	Enhanced Control with ProfiBus			4 Pin, 5 Pin Cordset		54711, 55199						
XRDM2	Enhanced Control with ModBus			4 Pin, 5 Pin Cordset		54711, 55199						
	Power Code		Voltage		Plug							
	1		Universal		110 - 120 VAC 1 Phase US Plug							
	2		Universal		220 - 240 VAC 1 Phase US Plug							
	3		Universal		220 - 240 VAC 1 Phase DIN Plug							
	5		Universal		220 - 240 VAC 1 Phase UK Plug							
	6		Universal		220 - 240 VAC 1 Phase Australia / New Zealand Plug							
		Liquid End	Head	Seat	Balls	Check Valve Body	Max Turndown Ratio	RPM Kit				
								Standard	DN15 Conn.			
		Standard Plastic										
		A44AC	PP	TFE/P	Ceramic	PVDF	1000:1	RPM54771	RPM54772			
		A44A1	PP	TFE/P	316L	PVDF	1000:1	RPM54778	RPM54779			
		A44AT	PP	TFE/P	PTFE	PVDF	1000:1	RPM56409	RPM56410			
		A74TC	PVDF	PTFE	Ceramic	PVDF	200:1	RPM54773	RPM54774			
		A74AT	PVDF	TFE/P	PTFE	PVDF	1000:1	RPM56409	RPM56410			
		Standard Metallic										
		A1411	316L	316L	316L	316L	1000:1	see below				
		Slurry										
		S1414	316L	316L	440C	316L	1000:1	RPM54776				
		High Viscosity										
		V44T1	PP	PTFE	316L	PP	1000:1	RPM54777				
			Standard Plastic	Diaphragm		O-Rings	Fittings	Connections	Tubing Kit	RPM Kit		
			A7T1	PTFE/PVDF		TFE/P	PVDF	Imperial Tube	1	-		
			A7PN	PTFE/PVDF		TFE/P	PVDF	1/2" BSP	-	-		
			A7M2	PTFE/PVDF		TFE/P	PVDF	Metric Tube	2	-		
			A2FN	PTFE/PVDF		TFE/P	PVDF/PVC	DN15 Female	-	see above		
			A7DN	PVDF heads only		PTFE/PVDF	TFE/P	PVDF	DN15 Male	-	see above	
			Standard Metallic									
			A1PN	PTFE/316L		TFE/P	316L	1/2" FNPT	-	RPM56407		
			V1PN	PTFE/316L		FKM	316L	1/2" FNPT	-	RPM54775		
			Slurry									
	V1PN		PTFE/316L		FKM	316L	1/2" FNPT	-	-			
	High Viscosity											
	N4T3		PTFE/PVDF		-	PP	Imperial Tube	3	-			
XRD12	1		A44AC	A7T1								

RPM Kit	Price	RPM Kit	Price	Contents
RPM54771	\$ 389	RPM54777	\$ 368	- Primary Diaphragm - Secondary Diaphragm housing seal - Required O-rings - Replacable Check valves or components
RPM54772	\$ 374	RPM54778	\$ 387	
RPM54773	\$ 387	RPM54779	\$ 373	
RPM54774	\$ 373	RPM56407	\$ 974	
RPM54775	\$ 698	RPM56409	\$ 404	
RPM54776	\$ 806	RPM56410	\$ 399	

Note: Add 6 pin cordset (49035) for digital input and analog output and 5 pin (48414) for digital output.

For Tubing Kit contents, refer to Tubing Kits Table.
For accessory kits and pricing, see Accessories section

EXCEL® XR PUMP SELECTION AND PRICING

64

XRD - OUTPUT CODE 3

162 SPM Max.

Size Code 4

14.0 GPH (53.0 LPH); 75 psi (5 bar)

XRDx3												
Drive End												
Control	Description			Cordset Included		Part Number			Price			
XRD13	Manual Control			-		-			See Note	\$ 2,784		
XRD93	Enhanced Control			4 Pin Cordset		54711				\$ 3,227		
XRDP3	Enhanced Control with ProfiBus			4 Pin, 5 Pin Cordset		54711, 55199				\$ 3,882		
XRDM3	Enhanced Control with ModBus			4 Pin, 5 Pin Cordset		54711, 55199				\$ 3,882		
	Power Code		Voltage		Plug							
	1		Universal		110 - 120 VAC 1 Phase US Plug					\$ -		
	2		Universal		220 - 240 VAC 1 Phase US Plug					\$ -		
	3		Universal		220 - 240 VAC 1 Phase DIN Plug					\$ -		
	5		Universal		220 - 240 VAC 1 Phase UK Plug					\$ -		
	6		Universal		220 - 240 VAC 1 Phase Australia / New Zealand Plug					\$ -		
		Liquid End	Head	Seat	Balls	Check Valve Body	Max Turndown Ratio	RPM Kit				
								Standard	DN15 Conn.			
		Standard Plastic										
		A44AC	PP	TFE/P	Ceramic	PVDF	1000:1	RPM54771	RPM54772	\$ 315		
		A44A1	PP	TFE/P	316L	PVDF	1000:1	RPM54778	RPM54779	\$ 303		
		A44AT	PP	TFE/P	PTFE	PVDF	1000:1	RPM56409	RPM56410	\$ 303		
		A74TC	PVDF	PTFE	Ceramic	PVDF	200:1	RPM54773	RPM54774	\$ 511		
		A74AT	PVDF	TFE/P	PTFE	PVDF	1000:1	RPM56409	RPM56410	\$ 499		
		Standard Metallic										
		A1411	316L	316L	316L	316L	1000:1	see below		\$ 899		
		Slurry										
		S1414	316L	316L	440C	316L	1000:1	RPM54776		\$ 973		
		High Viscosity										
		V44T1	PP	PTFE	316L	PP	1000:1	RPM54777		\$ 311		
			Standard Plastic	Diaphragm		O-Rings	Fittings	Connections	Tubing Kit	RPM Kit		
			A7T1	PTFE/PVDF		TFE/P	PVDF	Imperial Tube	1	-	\$ 278	
			A7PN	PTFE/PVDF		TFE/P	PVDF	1/2" BSP	-	-	\$ -	
			A7M2	PTFE/PVDF		TFE/P	PVDF	Metric Tube	2	-	\$ 111	
			A2FN	PTFE/PVDF		TFE/P	PVDF/PVC	DN15 Female	-	see above	\$ 58	
			A7DN	PVDF heads only	PTFE/PVDF	TFE/P	PVDF	DN15 Male	-	see above	\$ 505	
			Standard Metallic									
			A1PN	PTFE/316L		TFE/P	316L	1/2" FNPT	-	RPM56407	\$ -	
			V1PN	PTFE/316L		FKM	316L	1/2" FNPT	-	RPM54775	\$ -	
			Slurry									
			V1PN	PTFE/316L		FKM	316L	1/2" FNPT	-	-	\$ -	
			High Viscosity									
N4T3	PTFE/PVDF		-	PP	Imperial Tube	3	-	\$ 148				
XRD13	1		A44AC	A7T1								

RPM Kit	Price	RPM Kit	Price	Contents
RPM54771	\$ 389	RPM54777	\$ 368	• Primary Diaphragm • Secondary Diaphragm housing seal • Required O-rings • Replacable Check valves or components
RPM54772	\$ 374	RPM54778	\$ 387	
RPM54773	\$ 387	RPM54779	\$ 373	
RPM54774	\$ 373	RPM56407	\$ 974	
RPM54775	\$ 698	RPM56409	\$ 404	
RPM54776	\$ 806	RPM56410	\$ 399	

Note: Add 6 pin cordset (49035) for digital input and analog output and 5 pin (48414) for digital output.

For Tubing Kit contents, refer to Tubing Kits Table.
For accessory kits and pricing, see Accessories section

EXCEL® XR

PUMP SELECTION AND PRICING

65

XRD - OUTPUT CODE 4

144 SPM Max.

Size Code 6

18.0 GPH (68.1 LPH): 50 psi (3.5 bar)

XRDx4																						
Drive End										Price												
Control		Description			Cordset Included			Part Number														
XRD14		Manual Control			-			-		See Note	\$ 2,832											
XRD94		Enhanced Control			4 Pin Cordset			54711			\$ 3,275											
XRDP4		Enhanced Control with ProfiBus			4 Pin, 5 Pin Cordset			54711, 55199			\$ 3,930											
XRDM4		Enhanced Control with ModBus			4 Pin, 5 Pin Cordset			54711, 55199			\$ 3,930											
		Power Code		Voltage		Plug																
		1		Universal		110 - 120 VAC 1 Phase US Plug				\$ -												
		2		Universal		220 - 240 VAC 1 Phase US Plug				\$ -												
		3		Universal		220 - 240 VAC 1 Phase DIN Plug				\$ -												
		5		Universal		220 - 240 VAC 1 Phase UK Plug				\$ -												
		6		Universal		220 - 240 VAC 1 Phase Australia / New Zealand Plug				\$ -												
			Liquid End		Head		Seat		Balls		Check Valve Body		Diaphragm		Max Turndown Ratio		RPM Kit					
			Standard PP																			
			A46VC		PP		FKM		Ceramic		PP		PTFE		500:1		RPM54780		\$ 443			
			A46V1		PP		FKM		316L		PP		PTFE		500:1		RPM54784		\$ 431			
			A46AC		PP		TFE/P		Ceramic		PP		PTFE		500:1		RPM56405		\$ 443			
			A46A1		PP		TFE/P		316L		PP		PTFE		500:1		RPM56406		\$ 431			
			Standard PVDF																			
			A76VC		PVDF		FKM		Ceramic		PVDF		PTFE		500:1		RPM54780		\$ 828			
			A76AT		PVDF		TFE/P		PTFE		PVDF		PTFE		500:1		RPM56411		\$ 816			
			A76AC		PVDF		TFE/P		Ceramic		PVDF		PTFE		500:1		RPM56405		\$ 828			
			Standard Metallic																			
			A1611		316L		316L		316L		316L		PTFE		1000:1		see below		\$ 2,366			
			Slurry																			
			S1614		316L		316L		440C		316L		PTFE		1000:1		RPM54783		\$ 2,440			
			High Viscosity																			
			V46T1		PP		PTFE		316L		PP		PTFE		1000:1		RPM54782		\$ 431			
					Standard PP		O-Rings		Fittings		Connections		Tubing Kit		RPM Kit							
					N4PN		-		PP		1/2" NPT		-		-		\$ -					
					N4TN		-		PP		Imperial Tube		-		-		\$ -					
					N2FN		-		PP/PVC		DN15 Female		-		-		\$ 58					
					Standard PVDF																	
					N2FN		-		PVDF/PVC		DN15 Female		-		-		\$ 58					
					N7PN		-		PVDF		1/2" NPT		-		-		\$ -					
					N7TN		-		PVDF		Imperial Tube		-		-		\$ -					
			Standard Metallic																			
					A1PN		TFE/P		316L		1/2" FNPT		-		-		RPM56408		\$ -			
					V1PN		FKM		316L		1/2" FNPT		-		-		RPM54781		\$ -			
			Slurry																			
					V1PN		FKM		316L		1/2" FNPT		-		-		\$ -					
		High Viscosity																				
				N4P4		-		PP		1/2" NPT		4		-		\$ 362						
				N4T4		-		PP		Imperial Tube		4		-		\$ 362						
XRD14	1	A46VC	N4PN																			

XRD14	1	A46VC	N4PN						
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RPM Kit	Price	RPM Kit	Price	Contents
RPM54780	\$ 189	RPM56405	\$ 260	• Primary Diaphragm
RPM54781	\$ 722	RPM56406	\$ 255	• Secondary Diaphragm
RPM54782	\$ 222	RPM56408	\$ 770	housing seal
RPM54783	\$ 777	RPM56411	\$ 285	• Required O-rings
RPM54784	\$ 185			• Replacable Check valves or components

Note: Add 6 pin cordset (49035) for digital input and analog output and 5 pin (48414) for digital output.

For Tubing Kit contents, refer to Tubing Kits Table.
For accessory kits and pricing, see Accessories section

EXCEL® XR PUMP SELECTION AND PRICING

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XRE - OUTPUT CODE 2

198 SPM Max.

Size Code 4

16 GPH (60.6 LPH); 150 psi (10.3 bar)

XREx2												
Drive End	Note: Cordsets from the accessories table may be required for the customer to connect to desired input/output.								Price			
Control	Description			Cordset Included		Part Number						
XRE12	Manual Control			-		-			See Note	\$ 3,975		
XRE92	Enhanced Control			4 Pin Cordset		54711				\$ 5,028		
XREP2	Enhanced Control with ProfiBus			4 Pin, 5 Pin Cordset		54711, 55199				\$ 5,730		
XREM2	Enhanced Control with ModBus			4 Pin, 5 Pin Cordset		54711, 55199				\$ 5,730		
	Power Code		Voltage		Plug							
	1		Universal		110 - 120 VAC 1 Phase US Plug					\$ -		
	2		Universal		220 - 240 VAC 1 Phase US Plug					\$ -		
	3		Universal		220 - 240 VAC 1 Phase DIN Plug					\$ -		
	5		Universal		220 - 240 VAC 1 Phase UK Plug					\$ -		
	6		Universal		220 - 240 VAC 1 Phase Australia / New Zealand Plug					\$ -		
	Liquid End		Head	Seat	Balls	Check Valve Body	Max Turndown Ratio	RPM Kit				
								Standard	DN15 Conn.			
	Standard Plastic											
	A44A1		PP	TFE/P	316L	PVDF	1000:1	RPM54778	RPM54779	\$	303	
	A44AC		PP	TFE/P	Ceramic	PVDF	1000:1	RPM54771	RPM54772	\$	315	
	A44AT		PP	TFE/P	PTFE	PVDF	1000:1	RPM56409	RPM56410	\$	303	
	A74AT		PVDF	TFE/P	PTFE	PVDF	1000:1	RPM56409	RPM56410	\$	499	
	A74TC		PVDF	PTFE	Ceramic	PVDF	200:1	RPM54773	RPM54774	\$	511	
	Standard Metallic											
	A1411		316L	316L	316L	316L	1000:1	see below		\$	899	
	Slurry											
	S1414		316L	316L	440C	316L	1000:1	see below		\$	973	
	High Viscosity											
	V44T1		PP	PTFE	316L	PP	1000:1	see below		\$	311	
			Standard Plastic		Diaphragm	O-Rings	Fittings	Connections	Tubing Kit	RPM Kit		
			A2FN		PTFE/PVDF	TFE/P	PVDF/PVC	DN15 Female	-	-	\$ 58	
			A7M2		PTFE/PVDF	TFE/P	PVDF	Metric Tube	2	-	\$ 111	
			A7PN		PTFE/PVDF	TFE/P	PVDF	1/2" NPT/BSP	-	-	\$ -	
			A7T1		PTFE/PVDF	TFE/P	PVDF	Imperial Tube	1	-	\$ 278	
			A7DN (PVDF heads only)		PTFE/PVDF	TFE/P	PVDF	DN15 Male	-	-	\$ 505	
			Standard Metallic									
			A1PN		PTFE/316L	TFE/P	316L	1/2" FNPT	-	RPM56407	\$ -	
			V1PN		PTFE/316L	FKM	316L	1/2" FNPT	-	RPM54775	\$ -	
			Slurry									
			V1PN		PTFE/316L	FKM	316L	1/2" FNPT	-	RPM54776	\$ -	
			High Viscosity									
		N4T3		PTFE/PVDF	-	PP	Imperial Tube	3	RPM54777	\$ 148		
XRE12	1	A44AC	A7T1									

RPM Kit	Price	RPM Kit	Price	Contents
RPM54771	\$ 389	RPM54777	\$ 368	- Primary Diaphragm - Secondary Diaphragm housing seal - Required O-rings - Replacable Check valves or components
RPM54772	\$ 374	RPM54778	\$ 387	
RPM54773	\$ 387	RPM54779	\$ 373	
RPM54774	\$ 373	RPM56407	\$ 974	
RPM54775	\$ 698	RPM56409	\$ 404	
RPM54776	\$ 806	RPM56410	\$ 399	

Note: Add 6 pin cordset (49035) for digital input and analog output and 5 pin (48414) for digital output.

For Tubing Kit contents, refer to Tubing Kits Table.
For accessory kits and pricing, see Accessories section

EXCEL® XR

PUMP SELECTION AND PRICING

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XRE - OUTPUT CODE 3

200 SPM Max.

Size Code 6

28 GPH (106 LPH); 100 psi (6.9 bar) - 32 GPH (121 LPH); 50 psi (3.5 bar)

XREx3											
Drive End		Note: Cordsets from the accessories table may be required for the customer to connect to desired input/output.									
Control		Description		Cordset Included		Part Number					
XRE13		Manual Control		-		-		See Note	\$ 4,268		
XRE93		Enhanced Control		4 Pin Cordset		54711			\$ 5,321		
XREP3		Enhanced Control with ProfiBus		4 Pin, 5 Pin Cordset		54711, 55199			\$ 6,023		
XREM3		Enhanced Control with ModBus		4 Pin, 5 Pin Cordset		54711, 55199			\$ 6,023		
	Power Code		Voltage		Plug						
	1		Universal		110 - 120 VAC 1 Phase US Plug		\$ -				
	2		Universal		220 - 240 VAC 1 Phase US Plug		\$ -				
	3		Universal		220 - 240 VAC 1 Phase DIN Plug		\$ -				
	5		Universal		220 - 240 VAC 1 Phase UK Plug		\$ -				
	6		Universal		220 - 240 VAC 1 Phase Australia / New Zealand Plug		\$ -				
			Liquid End	Head	Seat	Balls	Check Valve Body	Max Turndown Ratio	RPM Kit		
			Standard PP								
			A46A1	PP	TFE/P	316L	PP	500:1	RPM56406	\$ 431	
			A46AC	PP	TFE/P	Ceramic	PP	500:1	RPM56405	\$ 443	
			A46V1	PP	FKM	316L	PP	500:1	RPM54784	\$ 431	
			A46VC	PP	FKM	Ceramic	PP	500:1	RPM54780	\$ 443	
			Standard PVDF								
			A76AC	PVDF	TFE/P	Ceramic	PVDF	500:1	RPM56405	\$ 828	
			A76AT	PVDF	TFE/P	PTFE	PVDF	500:1	RPM56411	\$ 816	
			A76VC	PVDF	FKM	Ceramic	PVDF	500:1	RPM54780	\$ 828	
			Standard Metallic								
			A1611	316L	316L	316L	316L	1000:1	see below	\$ 2,366	
			Slurry								
			S1614	316L	316L	440C	316L	1000:1	RPM54783	\$ 2,440	
			High Viscosity								
			V46T1	PP	PTFE	316L	PP	1000:1	RPM54782	\$ 431	
				Standard PP		Diaphragm	O-Rings	Fittings	Connections	Tubing Kit	RPM Kit
				N4PN		PTFE	-	PP	1/2" MNPT	-	\$ -
				N2FN		PTFE	-	PP/PVC	DN15 Female	-	\$ 58
				Standard PVDF							
				N2FN		PTFE	-	PP/PVC	DN15 Female	-	\$ 58
				N7PN		PTFE	-	PVDF	1/2" MNPT	-	\$ -
				Standard Metallic							
				A1PN		PTFE/316L	TFE/P	316L	1/2" FNPT	-	RPM56408
				V1PN		PTFE/316L	FKM	316L	1/2" FNPT	-	RPM54781
				Slurry							
			V1PN		PTFE/316L	FKM	316L	1/2" FNPT	-	\$ -	
			High Viscosity								
			N4P4		PTFE/PVDF	-	PP	1/2" MNPT	4	\$ 362	
XRE13	1	A46VC	N4PN								

RPM Kit	Price	RPM Kit	Price	Contents
RPM54780	\$ 189	RPM56405	\$ 260	• Primary Diaphragm
RPM54781	\$ 722	RPM56406	\$ 255	• Secondary Diaphragm
RPM54782	\$ 222	RPM56408	\$ 770	housing seal
RPM54783	\$ 777	RPM56411	\$ 285	• Required O-rings
RPM54784	\$ 185			• Replacable Check valves or components

Note: Add 6 pin cordset (49035) for digital input and analog output and 5 pin (48414) for digital output.

For Tubing Kit contents, refer to Tubing Kits Table.
For accessory kits and pricing, see Accessories section

EXCEL® XR PUMP SELECTION AND PRICING

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XRE - OUTPUT CODE 4

184 SPM Max.

Size Code 6

53 GPH (200.6 LPH); 60 psi (4.1 bar)

XREx4																		
Drive End		Note: Cordsets from the accessories table may be required for the customer to connect to desired input/output.																
Control		Description		Cordset Included		Part Number												
XRE14		Manual Control		-		-		See Note	\$ 4,735									
XRE94		Enhanced Control		4 Pin Cordset		54711			\$ 5,788									
XREP4		Enhanced Control with ProfiBus		4 Pin, 5 Pin Cordset		54711, 55199			\$ 6,490									
XREM4		Enhanced Control with ModBus		4 Pin, 5 Pin Cordset		54711, 55199			\$ 6,490									
	Power Code		Voltage		Plug													
	1		Universal		110 - 120 VAC 1 Phase US Plug		\$ -											
	2		Universal		220 - 240 VAC 1 Phase US Plug		\$ -											
	3		Universal		220 - 240 VAC 1 Phase DIN Plug		\$ -											
	5		Universal		220 - 240 VAC 1 Phase UK Plug		\$ -											
	6		Universal		220 - 240 VAC 1 Phase Australia / New Zealand Plug		\$ -											
			Liquid End		Head		Seat		Balls		Check Valve Body		Max Turndown Ratio		RPM Kit			
			Standard PP															
			A46A1		PP		TFE/P		316L		PVDF		500:1		RPM56406		\$ 431	
			A46AC		PP		TFE/P		Ceramic		PVDF		500:1		RPM56405		\$ 443	
			A46V1		PP		FKM		316L		PVDF		500:1		RPM54784		\$ 431	
			A46VC		PP		FKM		Ceramic		PVDF		500:1		RPM54780		\$ 443	
			Standard PVDF															
			A76AC		PVDF		TFE/P		Ceramic		PVDF		500:1		RPM56405		\$ 828	
			A76AT		PVDF		TFE/P		PTFE		PVDF		500:1		RPM56411		\$ 816	
			A76VC		PVDF		FKM		Ceramic		PVDF		500:1		RPM54780		\$ 828	
			Standard Metallic															
			A1611		316L		316L		316L		316L		1000:1		see below		\$ 2,366	
			Slurry															
			S1614		316L		316L		440C		316L		1000:1		RPM54783		\$ 2,440	
			High Viscosity															
			V46T1		PP		PTFE		316L		PP		1000:1		RPM54782		\$ 431	
					Standard PP		Diaphragm		O-Rings		Fittings		Connections		Tubing Kit		RPM Kit	
					N7NN		PTFE		-		PVDF		3/4" MNPT		-		-	
					N2GN		PTFE		-		PVDF/PVC		DN20 Female		-		-	
					Standard PVDF													
					N7NN		PTFE		-		PVDF		3/4" MNPT		-		-	
					N2GN		PTFE		-		PVDF/PVC		DN20 Female		-		-	
					Standard Metallic													
					A1NN		PTFE		TFE/P		316L		3/4" FNPT		-		RPM56408	
					V1NN		PTFE		FKM		316L		3/4" FNPT		-		RPM54781	
					Slurry													
				V1NN		PTFE		FKM		316L		3/4" FNPT		-		-		
				High Viscosity														
				N4N5		PTFE		-		PP		3/4" MNPT		5		-		
XRE14	1	A46VC	N7NN															

RPM Kit	Price	RPM Kit	Price	Contents
RPM54780	\$ 189	RPM56405	\$ 260	• Primary Diaphragm
RPM54781	\$ 722	RPM56406	\$ 255	• Secondary Diaphragm
RPM54782	\$ 222	RPM56408	\$ 770	housing seal
RPM54783	\$ 777	RPM56411	\$ 285	• Required O-rings
RPM54784	\$ 185			• Replacable Check valves or components

Note: Add 6 pin cordset (49035) for digital input and analog output and 5 pin (48414) for digital output.

For Tubing Kit contents, refer to Tubing Kits Table.
For accessory kits and pricing, see Accessories section

EXCEL® XR PUMP SELECTION AND PRICING

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Tubing Kits (included in select pump configurations)				
Tubing Kit 1	Tubing Kit 2	Tubing Kit 3	Tubing Kit 4	Tubing Kit 5
• Injection Valve • Foot Valve • 1 Weight (Suction Tubing) • 16' PE Tube 3/8" • 20' Reinforced PVC Hose 1/4" x 1/2"	• Injection Valve • Foot Valve • 1 Weight (Suction Tubing) • Metric Ferrules 6x12mm • 6m Reinforced PVC Hose 6x12mm	• Injection Valve • 2m Reinforced PVC hose 15x23mm (Suction) • 3m PE Tube 1/2" (Discharge) • 1 Suction hose fitting (1/2" FNPT X 15x23 hose) & 2 hose clamps	• 2m Reinforced PVC hose 15x23mm (Suction) • 1 suction hose fitting (1/2" FNPT X 15x23 hose) & 2 hose clamps	• 6.5ft Reinforced PVC hose 0.75" x 1.031" (Suction) • 1 Suction hose fitting (3/4" MNPT x 0.75" x 1.031" hose) & 2 hose clamps

ACCESSORY KITS

OUTPUT CODE XRDx2, XRDx3, XREx2

Imperial Connections		
Part No.	Description	Price
PP Head, 316 SS Balls		
58982	Injection Valve, PTFE	\$ 73.00
58987	Foot Valve, Mixed	\$ 67.00
59008	Connection Kit, 0.375 and 0.25x0.5	\$ 314.00
Tubing Kit, includes:		
10342-10	3/8" TUBE X 10 FT	\$ 16.00
54342-20	1/4" x 1/2" HOSE x 20 FT	\$ 96.00
PP Head, Ceramic Balls		
58983	Injection Valve, Mixed	\$ 73.00
58985	Foot Valve, Aflas	\$ 67.00
59008	Connection Kit, 0.375 and 0.25x0.5	\$ 314.00
Tubing Kit, includes:		
10342-10	3/8" TUBE X 10 FT	\$ 16.00
54342-20	1/4" x 1/2" HOSE x 20 FT	\$ 96.00
PVDF Head, Ceramic Balls		
58983	Injection Valve, Mixed	\$ 73.00
58986	Foot Valve, PTFE	\$ 67.00
59008	Connection Kit, 0.375 and 0.25x0.5	\$ 314.00
Tubing Kit, includes:		
10342-10	3/8" TUBE X 10 FT	\$ 16.00
54342-20	1/4" x 1/2" HOSE x 20 FT	\$ 96.00

Metric Connections		
Part No.	Description	Price
PP Head, 316 SS Balls		
58982	Injection Valve, PTFE	\$ 73.00
58987	Foot Valve, Mixed	\$ 67.00
59009	Connection Kit, 6x12	\$ 76.00
Tubing Kit, includes:		
36181-6M	8mm TUBE X 6m	\$ 29.00
70121-6M	6x12mm HOSE X 6m	\$ 39.00
PP Head, Ceramic Balls		
58983	Injection Valve, Mixed	\$ 73.00
58985	Foot Valve, Aflas	\$ 67.00
59009	Connection Kit, 6x12	\$ 76.00
Tubing Kit, includes:		
36181-6M	8mm TUBE X 6m	\$ 29.00
70121-6M	6x12mm HOSE X 6m	\$ 39.00
PVDF Head, Ceramic Balls		
58983	Injection Valve, Mixed	\$ 73.00
58986	Foot Valve, PTFE	\$ 67.00
59009	Connection Kit, 6x12	\$ 76.00
Tubing Kit, includes:		
36181-6M	8mm TUBE X 6m	\$ 29.00
70121-6M	6x12mm HOSE X 6m	\$ 39.00
High Viscosity		
58984	Injection Valve, HV	\$ 73.00
59010	Connection Kit, Hose Clamp	\$ 34.00
59013	Tubing Kit, HV	\$ 50.00

OUTPUT CODE XRDx4, XREx3 (NPT Connections only)

Tubing Connections		
Part No.	Description	Price
PP Head		
26758	Injec. Valve, 0.5" Tube, PP, PTFE, Cer	\$107.00
25154	Foot Valve, 0.5" Tube, PP, PTFE, Cer	\$112.00
77384	Connection Kit, 0.5" Tubing	\$17.00
PVDF Head		
33481	Injec. Valve, 0.5" Tube, PVDF, PTFE, Cer	\$ 121.00
33480	Foot Valve, 0.5" Tube, PVDF, PTFE, Cer	\$ 122.00
77384	Connection Kit, 0.5" Tubing	\$ 17.00

NPT Connections		
Part No.	Description	Price
PP Head		
26710	Injection Valve, NPT, PP, PTFE, Cer	\$ 147.00
26015	Foot Valve, NPT, PP, PTFE, Cer	\$ 112.00
PVDF Head		
38270	Injection Valve, NPT, PVDF, PTFE, Cer	\$ 171.00
38271	Foot Valve, NPT, PVDF, PTFE, Cer	\$ 105.00
High Viscosity		
56912	Injec. Valve, 0.5" MNPT, PVDF, PTFE, Cer	\$ 70.00

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OUTPUT CODE XREx4

Part No.	Description	Price
PP Head		
56909	Injection Valve, 0.75" MNPT, PP, PTFE, Cer	\$ 114.00
56914	Foot Valve, 0.75" MNPT, PP, PTFE, Cer	\$ 238.00
PVDF Head		
56910	Injec. Valve, 0.75" MNPT, PVDF, PTFE, Cer	\$ 166.00
56915	Foot Valve, 0.75" MNPT, PVDF, PTFE, Cer	\$ 103.00
High Viscosity		
56911	Injec. Valve, 0.75" MNPT, PVDF, PTFE, Cer	\$ 111.00

ACCESSORIES

Tubing Connection Kits (One kit needed per tube end)

Kit No.	Description	Price
54714	TUBING CONNECTION KIT, 3/8" TUBE	\$ 8.00
54715	TUBING CONNECTION KIT, 1/4"x1/2" HOSE	\$ 8.00
54716	TUBING CONNECTION KIT, 8mm TUBE	\$ 10.00
54717	TUBING CONNECTION KIT, 6x12mm HOSE	\$ 8.00
54718	TUBING CONNECTION KIT, 1/2" TUBE	\$ 10.00
48378	COUPLING NUT	\$ 9.00
10411	COUPLING NUT, 1/2" TUBE	\$ 11.00

Tubing

Part No.	Description	Price
10342-10	3/8" TUBE X 10 FT	\$ 16.00
10142-10	1/2" TUBE X 10 FT	\$ 18.00
54342-20	1/4"x1/2" HOSE X 20 FT	\$ 96.00
36181-6M	8mm TUBE X 6m	\$ 29.00
70121-6M	6x12mm HOSE X 6m	\$ 39.00

Bulk Kit of 20 Ferrules Each Kit

Kit No.	Description	Price
54800	BULK FERRULE KIT, 3/8" TUBE	\$ 29.00
54801	BULK FERRULE KIT, 1/4"x1/2" HOSE	\$ 29.00
54802	BULK FERRULE KIT, 8mm TUBE	\$ 71.00
54803	BULK FERRULE KIT, 6x12mm HOSE	\$ 58.00

Input/Output Cordsets

Part No.	Description	Application Notes	Price
48414	CORDSET, 5 PIN, 2 M / 6.6 FT	(J2) Digital output	\$ 83.00
49035	CORDSET, 6 PIN, 2 M / 6.6 FT	(J1 & J4) Digital input & Analog output	\$ 107.00
54711	CORDSET, 4 PIN, 2 M / 6.6 FT	(J3) Analog input	\$ 77.00
55199	CORDSET, 5 PIN, 2 M / 6.6 FT	(C) ProfiBus/ModBus Communicaton	\$ 141.00

Extension Cable Assemblies - 5 Pin

Part No.	Description	Price
50503-6	Extension Cable, 6 M / 19.7 Ft	\$ 165.00
50503-15	Extension Cable, 15 M / 49.2 Ft	\$ 283.00

Extension Cable Assemblies - 6 Pin

Part No.	Description	Price
50684-6	Extension Cable, 6 M / 19.7 Ft	\$ 230.00
50684-30	Extension Cable, 30 M / 98.4 Ft	\$ 525.00

Excel® XR METERING PUMP SERIES

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Parts by Number

Part Number	Description	List Price	Part Number	Description	List Price
10138	BALL	\$ 12.00	54804	BULK FERRULE KIT, 1/2" TUBE	\$ 39.00
10228	SEAT	\$ 16.00	58994	ASM, CHECK VALVE CARTRIDGE, TEFLON	\$ 27.00
10338	BALL	\$ 7.00	70033	LIQUID END HEAD Size 4 316L ss	\$ 847.00
10411	COUPLING NUT	\$ 11.00	70034	LIQUID END HEAD Size 6 316L ss	\$ 1,554.00
10659	BALL	\$ 8.00	70117	LIQUID END HEAD Size 4 PVDF	\$ 530.00
25042	BALL	\$ 8.00	70143	FERULE, MALE	\$ 6.00
25128	SEAT	\$ 18.00	70185	FERULE, MALE	\$ 6.00
25558	SPRING	\$ 9.00	70186	FERULE, FEMALE	\$ 6.00
25906	LIQUID END HEAD Size 6 PP	\$ 382.00	70187	FERULE, MALE	\$ 5.00
32234	LIQUID END HEAD Size 6 PVDF	\$ 1,719.00	70188	FERULE, FEMALE	\$ 6.00
35031	LIQUID END HEAD Size 4 PP Hi Vis	\$ 256.00	70192	FERULE, MALE	\$ 6.00
35326	SEAT	\$ 32.00	70193	FERULE, FEMALE	\$ 5.00
35330	SECONDARY DIAPHRAGM	\$ 20.00	77118	ASSEMBLY, DIAPHRAGM	\$ 310.00
36054	SEAT	\$ 8.00	77119	ASSEMBLY, DIAPHRAGM	\$ 348.00
36103	O-RING	\$ 6.00	0210599016N	FITTING	\$ 223.00
36116	CARTRIDGE	\$ 6.00	0210696016N	FITTING	\$ 175.00
36953	ASSEMBLY, DIAPHRAGM	\$ 208.00	0920046016N	BALL STOP	\$ 66.00
37012	LIQUID END HEAD Size 4 PP	\$ 141.00	0920064016N	BALL STOP	\$ 63.00
37340	SEAT	\$ 9.00	4070014112N	BALL	\$ 4.00
37341	SPRING	\$ 8.00	4370000144N	BALL	\$ 8.00
48145	SEAT	\$ 8.00	4370000224N	BALL	\$ 27.00
48349	O-RING	\$ 6.00	4370002094N	BALL	\$ 33.00
48378	COUPLING NUT	\$ 9.00	4370002144N	BALL	\$ 51.00
48485	LIQUID END HEAD Size 6 PP Hi Vis	\$ 679.00	4370002224N	BALL	\$ 25.00
48851	CORD, POWER USA 120V, A+	\$ 60.00	4380051072N	O-RING	\$ 6.00
48852	CORD, POWER USA 230V, A+	\$ 60.00	4380051162N	O-RING	\$ 4.00
48853	CORD, POWER DIN, A+	\$ 68.00	52702-1680	BEZEL,DISPLAY	\$ 63.00
48855	CORD, POWER BRITISH, A+	\$ 60.00	52702-1810	CLEAR COVER,DISPLAY	\$ 67.00
48856	CORD, POWER AUST, A+	\$ 60.00	RPM54771	RPM Size 4 PP/Ceramic Tube Conn	\$ 389.00
48857	CORD, POWER SWISS, A+	\$ 54.00	RPM54772	RPM Size 4 PP/Ceramic DN15 Conn	\$ 374.00
48859	CORD, POWER NO PLUG, A+	\$ 54.00	RPM54773	RPM Size 4 PVDF/Ceramic Tube Conn	\$ 387.00
53441	FERULE, MALE	\$ 45.00	RPM54774	RPM Size 4 PVDF/Ceramic DN15 Conn	\$ 373.00
53442	FERULE, FEMALE	\$ 26.00	RPM54775	RPM Size 4 316 ss Standard	\$ 698.00
54195	DISPLAY MEMBRANE	\$ 116.00	RPM54776	RPM Size 4 316 ss Slurry	\$ 806.00
54714	CONN KIT, 3/8" TUBE	\$ 8.00	RPM54777	RPM Size 4 PP/316 Ball Hi Vis	\$ 368.00
54715	CONN KIT, 1/4"x1/2" HOSE	\$ 8.00	RPM54778	RPM Size 4 PP/316 Ball Tube Conn	\$ 387.00
54716	CONN KIT, 8mm TUBE	\$ 10.00	RPM54779	RPM Size 4 PP/316 Ball DN15	\$ 373.00
54717	CONN KIT, 6x12mm HOSE	\$ 8.00	RPM54780	RPM Size 6 Ceramic Ball FKM Seat	\$ 189.00
54718	CONN KIT, 1/2" TUBE	\$ 10.00	RPM54781	RPM Size 6 316 ss Standard	\$ 722.00
54800	BULK FERRULE KIT, 3/8" TUBE	\$ 29.00	RPM54782	RPM Size 6 PP Hi Viscosity	\$ 222.00
54801	BULK FERRULE KIT, 1/4"x1/2" HOSE	\$ 29.00	RPM54783	RPM Size 6 316L ss Ball & Seat Slurry	\$ 777.00
54802	BULK FERRULE KIT, 8mm TUBE	\$ 71.00	RPM54784	RPM Size 6 316Lss Ball FKM Seat	\$ 185.00
54803	BULK FERRULE KIT, 6x12mm HOSE	\$ 48.00			

SERIES G SD METERING PUMPS



Size Code	Max Output		Max Pressure	
	GPH	LPH	PSI	Bar
2	0.7	2.6	175	12.1
4	12	45	150	10.3
7	50	189	100	6.9
8	115	435	75	5.2

Liquid Ends & Drives

The liquid ends and drives for Series G pumps can be purchased separately using the codes and pricing from the following price pages.

NOTE: Drives cannot be mixed and matched with all liquid end sizes. Check with factory before attempting to put a different size liquid end on a drive.

SERIES G - SD

PUMP SELECTION AND PRICING

73

SIZE CODE 2

0.7 GPH (2.6 LPH); 175 psi (12 bar)

SD2												Price	
Drive End													
SD2 Size Code												\$	2,071

RPM	Price	Contents
RPM099	\$ 1,215.00	
RPM101	\$ 1,132.50	*Diaphragm *Oil Seal *O-Rings *Suction & Discharge Cartridge, OR *Balls & Seats

All capacities are based on maximum pressures. For operation at reduced pressures, add 1% flow for every 25 psi (1.7 bar) decrease in pressure.

Motor requirements: 1/4 Horsepower or 0.18 KW

SERIES G - SD

PUMP SELECTION AND PRICING

74

SIZE CODE 4

14.4 GPH (55 LPH); 150 psi (10 bar)

SD4												Price
Drive End												
SD4	Size Code											\$ 2,071
Gear Code	60Hz					50Hz						
	GPH	LPH	psi	bar	SPM	GPH	LPH	psi	bar	SPM		
1	3	11.4	150	10	43	2.5	9.5	150	10	36	\$	-
2	6.6	25	150	10	86	5.5	21	150	10	72	\$	-
6	10	38	150	10	120	6.9	26	150	10	102	\$	-
3	14.4	55	150	10	173	12	45	150	10	144	\$	-
Motor Code												
8	0.25 HP, 1725 RPM, 1 Phase, 60 Hertz, 115/230 Volt, TEFC, NEMA 56C											\$ 302
9	0.33 HP (.25 kW), 1425 RPM, 1 Phase, 50 Hertz, 115/230 Volt, TEFC, NEMA 56C											\$ 302
J	0.25 HP, 1725 RPM, 3 Phase, 60 Hertz, 230/460 Volt, TEFC, NEMA 56C											\$ 302
L	0.33 HP (.25 kW), 1425 RPM, 3 Phase, 50 Hertz, 220/380/440 Volt, TEFC, NEMA 56C											\$ 302
P	DC Variable Speed Drive; 0.5 HP 1725 RPM TEFC motor w/DC Drive, 4-20 mA input, NEMA 4/12 115 VAC											\$ 2,408
X	Mount less Motor; Flange Mount, NEMA 56C											\$ -
Liquid End	Head		Valves		Seals		Seats		Balls		RPM Kit	
2	PVDF	PVDF	PVDF	PolyPrel®	PTFE	Ceramic	RPM102	\$	1,610			
8	PVC	PVC	PVDF	PolyPrel®	PTFE	Ceramic	RPM102	\$	982			
7	316 SS	316 SS	316 SS	PTFE	316 SS	316 SS	RPM104	\$	2,268			
P	Polymer Apps	PVC	PVDF	Viton®	316 SS	316 SS	RPM196	\$	1,980			
L	Slurry Apps	316 SS	316 SS	-	316 SS	316 SS	RPM212	\$	2,711			
N	H2SO4 Apps	PVC	PVDF	PolyPrel®	Alloy 20	Alloy 20	RPM173	\$	1,997			
Connection Code												
P	Standard, 1/4" NPTM (1/2" for Slurry Apps)											\$ -
T	Tubing (Barb Fitting) 1/2"											\$ -
P	Degassing, 1/4" NPTF, must order Valve PN 38794											\$ -
T	Degassing, 1/2" Tubing, must order Valve PN 38794											\$ -
SD4	1	8	2	P								

RPM Kit	Price	Contents
RPM102	\$ 466.50	*Diaphragm
RPM102	\$ 466.50	*Oil Seal
RPM104	\$ 615.00	*O-Rings
RPM196	\$ 1,635.00	*Suction & Discharge
RPM173	\$ 1,063.50	Cartridge, OR
RPM212	\$ 1,479.00	*Balls & Seats

Degassing Valve	Price
38794	\$ 288

All capacities are based on maximum pressures. For operation at reduced pressures, add 1% flow for every 25 psi (1.7 bar) decrease in pressure.

Motor requirements: 1/4 Horsepower or 0.18 KW

SERIES G - SD

PUMP SELECTION AND PRICING

75

SIZE CODE 7

50 GPH (189 LPH); 100 psi (7 bar)

SD7													Price			
Drive End																
SD7	Size Code											\$	2,071			
	60Hz					50Hz										
	Gear Code		GPH	LPH	psi	bar	SPM	GPH	LPH	psi	bar	SPM				
	1		13	49	100	7	43	10	38	100	7	36	\$	-		
	2		25	95	100	7	86	21	79	100	7	72	\$	-		
	6		34	129	100	7	120	28	106	100	7	102	\$	-		
	3		50	189	100	7	173	42	159	100	7	144	\$	-		
	Motor Code															
	8		0.25 HP, 1725 RPM, 1 Phase, 60 Hertz, 115/230 Volt, TEFC, NEMA 56C									\$	302			
	9		0.33 HP (.25 kW), 1425 RPM, 1 Phase, 50 Hertz, 115/230 Volt, TEFC, NEMA 56C									\$	302			
	J		0.25 HP, 1725 RPM, 3 Phase, 60 Hertz, 230/460 Volt, TEFC, NEMA 56C									\$	302			
	L		0.33 HP (.25 kW), 1425 RPM, 3 Phase, 50 Hertz, 220/380/440 Volt, TEFC, NEMA 56C									\$	302			
	P		DC Variable Speed Drive; 0.5 HP 1725 RPM TEFC motor w/DC Drive, 4-20 mA input, NEMA 4/12 115 VAC									\$	2,408			
	X		Mount less Motor; Flange Mount, NEMA 56C									\$	-			
			Liquid End	Head	Valves	Seals	Seats	Balls	RPM Kit							
	2		PVDF	PVDF	PVDF	Teflex®	PVDF	Ceramic	RPM136	\$	3,537					
	8		PVC	PVC	PVDF	Viton®	PVC	Ceramic	RPM135	\$	1,607					
	7		316 SS	316 SS	316 SS	Viton®	316 SS	316 SS	RPM137	\$	3,780					
	P		Polymer Apps	PVC	PVC	Viton®	316 SS	316 SS	RPM211	\$	2,057					
	L		Slurry Apps	PVC	316 SS	Viton®	316 SS	316 SS	RPM401	\$	4,022					
	N		H2SO4 Apps	PVC	PVDF	PolyPrel®	Alloy 20	Alloy 20	RPM175	\$	2,667					
			Connection Code													
			P Standard 1/2" NPTF									\$	-			
			T Tubing (Barb Fitting) 1/2"									Not available on Metallic Heads			\$	-
			P Degassing, 1/2" NPTF, must order Valve PN 61411									Not available on Metallic Heads			\$	-
		T Degassing, 1/2" Tubing, must order Valve PN 61411									Not available on Metallic Heads			\$	-	
SD7	1	8	2	P												

RPM Kit	Price	Contents
RPM135	\$ 474.00	*Diaphragm
RPM136	\$ 523.50	*Oil Seal
RPM137	\$ 1,618.50	*O-Rings
RPM211	\$ 1,084.50	*Suction & Discharge
RPM175	\$ 939.00	Cartridge, OR
RPM401	\$ 1,408.50	*Balls & Seats

Degassing Valve	Price
61411	\$ 1,940

All capacities are based on maximum pressures. For operation at reduced pressures, add 1% flow for every 25 psi (1.7 bar) decrease in pressure.

Motor requirements: 1/4 Horsepower or 0.18 KW

SERIES G - SD PUMP SELECTION AND PRICING

76

SIZE CODE 8

127 GPH (481 LPH); 75 psi (5 bar)

SD8												Price	
Drive End													
SD8	Size Code											\$	2,421

RPM Kit	Price	Contents
RPM105	\$ 474.00	*Diaphragm
RPM106	\$ 468.00	*Oil Seal
RPM107	\$1,618.50	*O-Rings
RPM210	\$ 822.00	*Suction & Discharge
RPM183	\$ 969.00	Cartridge, OR *Balls & Seats

Degassing Valve	Price
61411	\$ 1,940

All capacities are based on maximum pressures. For operation at reduced pressures, add 1% flow for every 25 psi (1.7 bar) decrease in pressure.

Motor requirements: 1/4 Horsepower or 0.18 KW for 3-phase
1/3 Horsepower or 0.25 KW for 1-phase

SERIES G - SD

PUMP SELECTION AND PRICING

77

Series G Model SD Drive End

SD					Price
Drive End Only					
SD					\$ -
	Liquid End Size Code				Max GPH at 173 SPM
	2	Only fits on Liquid End Code 2			0.7
	4	Liquid End Code 4 & 7 are interchangeable on drives with any of these codes			14.4
	7	Liquid End Code 4 & 7 are interchangeable on drives with any of these codes			50
	8	Only fits on Liquid End Code 8			127
		Gear Code		SPM at 60 Hz	SPM at 50 Hz
		1		43	36
		2		86	72
		6		120	102
		3		173	144
		Motor Code			
		8	0.25 HP, 1725 RPM, 1 Phase, 60 Hertz, 115/230 Volt, TEFC, NEMA 56C		
		9	0.33 HP (.25 kW), 1425 RPM, 1 Phase, 50 Hertz, 115/230 Volt, TEFC, NEMA 56C		
		J	0.25 HP, 1725 RPM, 3 Phase, 60 Hertz, 230/460 Volt, TEFC, NEMA 56C		
		L	0.33 HP (.25 kW), 1425 RPM, 3 Phase, 50 Hertz, 220/380/440 Volt, TEFC, NEMA 56C		
		P	0.5 HP 1725 RPM TEFC motor w/DC Drive, 4-20 mA Input, NEMA 4/12 115 VAC		
		X	Mount less Motor; Flange Mount, NEMA 56C		
SD	2	1	8	-DR	

All capacities are based on maximum pressures. For operation at reduced pressures, add 1% flow for every 25 psi (1.7 bar) decrease in pressure.

Motor requirements: 1/4 Horsepower or 0.18 KW

SERIES G - SD PUMP SELECTION AND PRICING

78

Series G Model SD Liquid End

SD										
Liquid End Only									Price	
SD2		Size Code 2							\$	-
SD4		Size Code 4							\$	-
SD7		Size Code 7							\$	-
SD8		Size Code 8							\$	-
	Liquid End Material by Size Code									
	Size Code 2		Head	Valves	Seals	Seats	Balls	RPM		
	2	PVDF	PVDF	PVDF	PolyPrel®	C22	Ceramic	RPM099	\$ 1,610	
	8	PVC	PVC	PVDF	PolyPrel®	C22	Ceramic	RPM099	\$ 982	
	7	316 SS	316 SS	316 SS	PTFE	316 SS	316 SS	RPM101	\$ 2,268	
	P	Polymer Apps.	PVC	PVDF	Viton®	Alloy 22	Alloy 20	Call Factory	\$ 1,980	
	N	H2SO4 Apps	PVC	PVDF	PolyPrel®	Alloy 20	Alloy 20	Call Factory	\$ 1,997	
	Size Code 4		Head	Valves	Seals	Seats	Balls	RPM Kit		
	2	PVDF	PVDF	PVDF	Teflex®	PVDF	Ceramic	RPM102	\$ 1,610	
	8	PVC	PVC	PVDF	Viton®	PVC	Ceramic	RPM102	\$ 982	
	7	316 SS	316 SS	316 SS	Viton®	316 SS	316 SS	RPM104	\$ 2,268	
	P	Polymer Apps	PVC	PVC	Viton®	316 SS	316 SS	RPM196	\$ 1,980	
	L	Slurry Apps	PVC	316 SS	Viton®	316 SS	316 SS	RPM212	\$ 2,711	
	N	H2SO4 Apps	PVC	PVDF	Viton®	Alloy 20	Alloy 20	RPM173	\$ 1,997	
	Size Code 7		Head	Valves	Seals	Seats	Balls	RPM Kit		
	2	PVDF	PVDF	PVDF	Teflex®	PVDF	Ceramic	RPM136	\$ 3,537	
	8	PVC	PVC	PVDF	Viton®	PVC	Ceramic	RPM135	\$ 1,607	
	7	316 SS	316 SS	316 SS	Viton®	316 SS	316 SS	RPM137	\$ 3,780	
	P	Polymer Apps	PVC	PVC	Viton®	316 SS	316 SS	RPM211	\$ 2,057	
	L	Slurry Apps	PVC	316 SS	Viton®	316 SS	316 SS	RPM401	\$ 4,022	
	N	H2SO4 Apps	PVC	PVDF	PolyPrel®	Alloy 20	Alloy 20	RPM175	\$ 2,667	
	Size Code 8		Head	Valves	Seals	Seats	Balls	RPM Kit		
	2	PVDF	PVDF	PVDF	Teflex®	PVDF	Ceramic	RPM106	\$ 3,661	
	8	PVC	PVC	PVDF	Viton®	PVC	Ceramic	RPM105	\$ 1,862	
	7	316 SS	316 SS	316 SS	Viton®	316 SS	316 SS	RPM107	\$ 4,237	
	P	Polymer Apps	PVC	PVC	Viton®	316 SS	316 SS	RPM210	\$ 2,148	
	L	Slurry Apps	PVC	316 SS	Viton®	316 SS	316 SS	Call Factory	\$ 4,351	
	N	H2SO4 Apps	PVC	PVDF	Viton®	Alloy 20	Alloy 20	RPM183	\$ 2,905	
	Connections by Size Code									
	Size Code 2									
	P		Standard 1/4" NPTM						\$	-
	T		Tubing (Barb Fitting) 1/4"						Not available on Metallic Heads	\$ -
	Size Code 4									
	P		Standard, 1/4" NPTM (1/2" for Slurry Apps)						\$	-
	T		Tubing (Barb Fitting) 1/2"						Not available on Metallic Heads	\$ -
	P		Degassing, 1/4" NPTF, must order Valve PN 38794						Not available on Metallic Heads	\$ -
	T		Degassing, 1/2" Tubing, must order Valve PN 38794						Not available on Metallic Heads	\$ -
	Size Code 7 & 8									
	P		Standard 1/2" NPTF						\$	-
	T		Tubing (Barb Fitting) 1/2"						Not available on Metallic Heads	\$ -
P		Degassing, 1/2" NPTF, must order Valve PN 61411						Not available on Metallic Heads	\$ -	
T		Degassing, 1/2" Tubing, must order Valve PN 61411						Not available on Metallic Heads	\$ -	
SD2	2	P	-LE							

Degassing Valve		Price
38794		\$ 288
61411		\$ 1,940

All capacities are based on maximum pressures. For operation at reduced pressures, add 1% flow for every 25 psi (1.7 bar) decrease in pressure.
Motor requirements: 1/4 Horsepower or 0.18 KW

SERIES G SG METERING PUMPS



Size Code	Max Output		Max Pressure	
	GPH	LPH	PSI	Bar
5	106	400	150	10.3
6	147	556	100	6.9
7	300	1136	50	3.4

Liquid Ends & Drives

The liquid ends and drives for Series G pumps can be purchased separately using the codes and pricing from the following price pages.

NOTE: Drives cannot be mixed and matched with all liquid end sizes. Check with factory before attempting to put a different size liquid end on a drive.

80

106 GPH (400 LPH); 150 psi (10.3 bar)

RPM	Price	Contents
RPM045	\$ 631.50	*Diaphragm *Oil Seal *O-Rings *Suction & Discharge Cartridge, OR *Balls & Seats
RPM046	\$ 612.00	
RPM047	\$ 1,864.50	
RPM483	\$ 414.00	
RPM126	\$ 1,261.50	
RPM175	\$ 939.00	
RPM226	\$ 2,760.00	
RPM400	\$ 2,028.00	

***NOTE:**

Slurry LE prior to May 2008, use RPM226.

Slurry LE post May 2008, new, or converted, use RPM400

SGS Slurry pumps made before 2008 may require conversion kit RPM226 in order to use parts in RPM400 going forward. RPM400 is a more cost effective design used on all new pumps after May 2008 and on those converted to the new design using RPM226.

High Viscosity Liquid Ends may result in a reduction of output.

All Diaphragms are PTFE.

All capacities are based on maximum pressures. For operation at reduced pressures, add 1% flow for every 25 psi (1.7 bar) decrease in pressure.

Motor Requirements: 1HP / 0.75kW for Single and Three Phase

SERIES G - SG

PUMP SELECTION AND PRICING

81

SIZE CODE 6

147 GPH (556 LPH); 100 psi (6.9 bar)

SG6												Price		
Drive End														
SG6 Size Code												\$	3,322	
	60Hz					50Hz								
	Gear Code		GPH	LPH	psi	bar	SPM	GPH	LPH	psi	bar	SPM		
	1		36	136	100	6.9	43	30	114	100	6.9	36	\$	-
	2		73	276	100	6.9	86	61	230	100	6.9	72	\$	-
	6		104	394	100	6.9	120	87	238	100	6.9	102	\$	-
	3		147	556	100	6.9	173	123	464	100	6.9	144	\$	-
	Motor Code													
	8		1 HP, 1725 RPM, 1 Phase, 60 Hertz, 115/230 Volt, TEFC, NEMA 56C										\$	470
	9		1 HP (.75 kW), 1425 RPM, 1 Phase, 50 Hertz, 115/230 Volt, TE, NEMA 56C										\$	470
	J		1 hp, 1725 RPM, 3 Phase, 60 Hertz, 230/460 Volt, TEFC, NEMA 56C										\$	470
	L		1 HP (.75 kW), 1450 RPM, 3 Phase, 50 Hertz, 220/380 Volt, TEFC, NEMA 56C										\$	470
	P		1 HP 1725 RPM TEFC motor w/DC Drive, 4-20 ma input, NEMA 4/12 115 VAC										\$	2,408
	X		Mount less Motor; Flange Mount, NEMA 56C										\$	-
	Y		Mount less Motor; Flange Mount, NEMA 143/145TC										\$	-
			Liquid End	Head	Valves	Seals	Seats	Balls	RPM					
	2		PVDF	PVDF	PVDF	Teflex®	PVDF	Ceramic	RPM049	\$	5,612			
	7		316 SS	316 SS	316 SS	PTFE	316 SS	316 SS	RPM050	\$	4,236			
	8		PVC	PVC	PVC	Viton®	PE	Ceramic	RPM048	\$	2,052			
	4		Black PP	Black PP	PP	Viton®	PE	Ceramic	RPM048	\$	2,565			
	C		Caustic Apps	PVC	PVC	EPDM	PE	Ceramic	RPM485	\$	2,052			
	F		Flouride Apps	PVC	PVC	Viton®	PE	PTFE	RPM048	\$	2,052			
	P		Polymer Apps	PVC	PVC	Viton®	316 SS	316 SS	RPM176	\$	3,268			
	L		Slurry Apps	PVC	316 SS	Viton®	316 SS (pin)	316 SS	RPM219	\$	4,300			
	N		H2SO4 Apps	PVC	PVDF	Viton®	Alloy 20	Alloy 20	RPM194	\$	3,047			
			Connection Code											
	P		Standard; 1" NPTF for Plastic Heads, 1" NPTM for Metallic Heads										\$	-
T		Tubing (Barb Fitting) 1"										\$	-	
P		Degassing, 1/2" NPTF, must order Valve PN 61421					Not available on Metallic Heads					\$	-	
T		Degassing, 1/2" Tubing, must order Valve PN 61421					Not available on Metallic Heads					\$	-	
SG6	1	8	2	P										

RPM	Price	Contents
RPM048	\$ 789.00	*Diaphragm
RPM049	\$ 1,290.00	*Oil Seal
RPM050	\$ 739.50	*O-Rings
RPM176	\$ 1,873.50	*Suction & Discharge
RPM194	\$ 4,159.50	Cartridge, OR
RPM219	\$ 1,285.50	*Balls & Seats
RPM485	\$ 573.00	

Degassing Valve	Price
61411	\$ 1,940

NOTE:

High Viscosity Liquid Ends may result in a reduction of output.

All Diaphragms are PTFE.

All capacities are based on maximum pressures. For operation at reduced pressures, add 1% flow for every 25 psi (1.7 bar) decrease in pressure.

Motor Requirements: 1HP / 0.75kW for Single and Three Phase

SERIES G - SG

PUMP SELECTION AND PRICING

82

SIZE CODE 7

300 GPH (1136 LPH); 50 psi (3.4 bar)

SG7													
Drive End											Price		
SG7	Size Code										\$ 3,488		
	60Hz					50Hz							
	Gear Code	GPH	LPH	psi	bar	SPM	GPH	LPH	psi	bar	SPM		
	1	75	284	50	3.4	43	63	237	50	3.4	36	\$ -	
	2	149	564	50	3.4	86	127	470	50	3.4	72	\$ -	
	6	208	787	50	3.4	120	173	656	50	3.4	102	\$ -	
	3	300	1136	50	3.4	173	250	946	50	3.4	144	\$ -	
	Motor Code												
	8	1.5 HP, 1725 RPM, 1 Phase, 60 Hertz, 115/230 Volt, TEFC, NEMA 56C										\$ 470	
	9	1.5 HP (1.1 kW), 1425 RPM, 1 Phase, 50 Hertz, 115/230 Volt, TE, NEMA 56C										\$ 470	
	J	1 hp, 1725 RPM, 3 Phase, 60 Hertz, 230/460 Volt, TEFC, NEMA 56C										\$ 470	
	L	1 HP (.75 kW), 1450 RPM, 3 Phase, 50 Hertz, 220/380 Volt, TEFC, NEMA 56C										\$ 470	
	P	1 HP 1725 RPM TEFC motor w/DC Drive, 4-20 ma input, NEMA 4/12 115 VAC										\$ 2,408	
	X	Mount less Motor; Flange Mount, NEMA 56C										\$ -	
	Y	Mount less Motor; Flange Mount, NEMA 143/145TC										\$ -	
	Liquid End		Head		Valves		Seals		Seats		Balls		RPM
	2	PVDF	PVDF		PVDF		Teflex®		PVDF		Ceramic		RPM052
	7	316 SS	316 SS		316 SS		PTFE		316 SS		316 SS		RPM053
	8	PVC	PVC		PVC		Viton®		PE		Ceramic		RPM051
	C	Caustic Apps	PVC		PVC		EPDM		PE		Ceramic		RPM487
	F	Flouride Apps	PVC		PVC		Viton®		PE		Teflon		RPM488
	P	Polymer Apps	PVC		PVC		Viton®		316 SS		316 SS		RPM221
	L	Slurry Apps	PVC		316 SS		Viton®		316 SS (pin)		316 SS		RPM220
	N	H2SO4 Apps	PVC		PVC		Viton®		Alloy 20		Alloy 20		RPM203
	Connection Code												
	P	Standard; 1" NPTF for Plastic Heads, 1" NPTM for Metallic Heads										\$ -	
	T	Tubing (Barb Fitting) 1"										\$ -	
P	Degassing, 1/2" NPTF, must order Valve PN 61421					Not available on Metallic Heads					\$ -		
T	Degassing, 1/2" Tubing, must order Valve PN 61421					Not available on Metallic Heads					\$ -		
SG7	1	8	2	P									

RPM	Price	Contents
RPM051	\$ 828.00	*Diaphragm
RPM052	\$ 1,347.00	*Oil Seal
RPM053	\$ 1,183.50	*O-Rings
RPM203	\$ 3,547.50	*Suction & Discharge
RPM220	\$ 1,419.00	Cartridge, OR
RPM221	\$ 2,680.50	*Balls & Seats
RPM487	\$ 631.50	
RPM488	\$ 436.50	

Degassing Valve	Price
61421	\$ 2,810

NOTE:

High Viscosity Liquid Ends may result in a reduction of output.

All Diaphragms are PTFE.

All capacities are based on maximum pressures. For operation at reduced pressures, add 1% flow for every 25 psi (1.7 bar) decrease in pressure.

Motor Requirements-

Single Phase: 1.5 HP / 1.1 kW

Three Phase : 1 HP / 0.75 kW

SERIES G - SG

PUMP SELECTION AND PRICING

83

Series G Model SG Drive End

SG					Price		
Drive End Only							
SG	Size Code				\$ 3,322.00		
	Gear Code		SPM at 60 Hz		SPM at 50 Hz		
	1		43		36	\$ -	
	2		86		72	\$ -	
	6		120		102	\$ -	
	3		173		144	\$ -	
		Motor Code					
		8	1 HP for LE Code 5 & 6 or 1.5 HP for LE Code 7, 1725 RPM, 1 Phase, 60 Hertz, 115/230 Volt, TEFC, NEMA 56C				\$ 470
		9	1 HP (.75 kW) for LE Code 5 & 6 or 1.5 HP (1.1 kW) for LE Code 7, 1425 RPM, 1 Phase, 50 Hertz, 115/230 Volt, TEFC, NEMA 56C				\$ 470
		J	1 hp, 1725 RPM, 3 Phase, 60 Hertz, 230/460 Volt, TEFC, NEMA 56C				\$ 470
		L	1 HP (.75 kW), 1450 RPM, 3 Phase, 50 Hertz, 220/380 Volt, TEFC, NEMA 56C				\$ 470
		P	1 HP 1725 RPM TEFC motor w/DC Drive, 4-20 ma input, NEMA 4/12 115 VAC				\$ 2,408
		X	Mount less Motor; Flange Mount, NEMA 56C				\$ -
		Y	Mount less Motor; Flange Mount, NEMA 143/145TC				\$ -
SG	1	8	-DR				

SERIES G - SG PUMP SELECTION AND PRICING

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Series G Model SG Liquid End

SG									Price	
Liquid End Only										
SG5	Size Code 5								\$ -	
SG6	Size Code 6								\$ -	
SG7	Size Code 7								\$ -	
	Liquid End Material by Size Code									
	Size Code 5		Head	Valves	Seals	Seats	Balls	RPM		
	2	PVDF	PVDF	PVDF	Teflex®	PVDF	Ceramic	RPM046	\$ 3,242	
	7	316 SS	316 SS	316 SS	Viton®	316 SS	316 SS	RPM047	\$ 3,872	
	8	PVC	PVC	PVC	Viton®	PVC	Ceramic	RPM045	\$ 1,683	
	4	Black PP	Black PP	PVDF	Viton®	PVC	Ceramic	RPM045	\$ 2,294	
	C	Caustic Apps	PVC	PVDF	EPDM	PVC	Ceramic	RPM483	\$ 1,683	
	F	Flouride Apps	PVC	PVDF	Viton®	PVC	PTFE	RPM045	\$ 1,683	
	P	Polymer Apps	PVC	PVDF	Viton®	316 SS	316 SS	RPM126	\$ 2,261	
	L	Slurry Apps	PVC	316 SS	Viton®	316 SS (pin)	316 SS	see note	\$ 2,137	
	N	H2SO4 Apps	PVC	PVDF	Viton®	Alloy 20	Alloy 20	RPM175	\$ 2,445	
	Size Code 6		Head	Valves	Seals	Seats	Balls	RPM		
	2	PVDF	PVDF	PVDF	Teflex®	PVDF	Ceramic	RPM049	\$ 5,612	
	7	316 SS	316 SS	316 SS	PTFE	316 SS	316 SS	RPM050	\$ 4,236	
	8	PVC	PVC	PVC	Viton®	PE	Ceramic	RPM048	\$ 2,052	
	4	Black PP	Black PP	PP	Viton®	PE	Ceramic	RPM048	\$ 2,565	
	C	Caustic Apps	PVC	PVC	EPDM	PE	Ceramic	RPM485	\$ 2,052	
	F	Flouride Apps	PVC	PVC	Viton®	PE	PTFE	RPM048	\$ 2,052	
	P	Polymer Apps	PVC	PVC	Viton®	316 SS	316 SS	RPM176	\$ 3,268	
	L	Slurry Apps	PVC	316 SS	Viton®	316 SS (pin)	316 SS	RPM219	\$ 4,300	
	N	H2SO4 Apps	PVC	PVDF	Viton®	Alloy 20	Alloy 20	RPM194	\$ 3,047	
	Size Code 7		Head	Valves	Seals	Seats	Balls	RPM		
	2	PVDF	PVDF	PVDF	Teflex®	PVDF	Ceramic	RPM052	\$ 8,238	
	7	316 SS	316 SS	316 SS	PTFE	316 SS	316 SS	RPM053	\$ 5,238	
	8	PVC	PVC	PVC	Viton®	PE	Ceramic	RPM051	\$ 3,825	
	C	Caustic Apps	PVC	PVC	EPDM	PE	Ceramic	RPM487	\$ 3,825	
	F	Flouride Apps	PVC	PVC	Viton®	PE	Teflon	RPM488	\$ 3,825	
	P	Polymer Apps	PVC	PVC	Viton®	316 SS	316 SS	RPM221	\$ 5,326	
	L	Slurry Apps	PVC	316 SS	Viton®	316 SS (pin)	316 SS	RPM220	\$ 5,791	
	N	H2SO4 Apps	PVC	PVC	Viton®	Alloy 20	Alloy 20	RPM203	\$ 5,706	
		Connections by Size Code								
		Size Code 5								
		P	Standard, 1/2" NPTF							\$ -
		T	Tubing (Barb Fitting) 1/2"							\$ -
		P	Degassing, 1/2" NPTF, must order Valve PN 61411				Not available on Metallic Heads		\$ -	
		T	Degassing, 1/2" Tubing, must order Valve PN 61411				Not available on Metallic Heads		\$ -	
		Size Code 6 & 7								
		P	Standard; 1" NPTF for Plastic Heads, 1" NPTM for Metallic Heads							\$ -
		T	Tubing (Barb Fitting) 1"							\$ -
		P	Degassing, 1/2" NPTF, must order Valve PN 61421				Not available on Metallic Heads		\$ -	
		T	Degassing, 1/2" Tubing, must order Valve PN 61421				Not available on Metallic Heads		\$ -	
		SG5	2	P	-LE					

Degassing Valve	Price
61411	\$ 1,940
61421	\$ 2,810

Series G Parts by Number

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Part Number	Description	Units	Price	Part Number	Description	Units	Price
21291	DRIVE SHAFT MACROY D	EA	\$ 751.50	60640	DIAPHRAGM CAP GB80 PVDF	EA	\$ 1,704.00
39461	CARTRIDGE ASM, 375	EA	\$ 750.00	60642	SUPPORT NUT GB80 304SS	EA	\$ 1,371.00
40203	WALDES TRUARC RET RING 5133-12	EA	\$ 15.00	60654	OBSOLETE - SEE S60654	EA	Obsolete
40204	WALDES RET RING X5133-18	EA	\$ 15.00	60733	COUPLING WORM,GM/MACROY D, 56C	EA	\$ 43.50
40348	O-RING TEFLEX PARKER#2-117	EA	Obsolete	60754	BACK-UP PLATE G40/60	EA	\$ 256.50
41065	BREATHER PLUG, 3/8 (#54022)	EA	\$ 69.00	60765	O-RING, TEFLEX-V-123	EA	\$ 39.00
41069	SOC HD SCR #10-24X1-3/4 SS	EA	\$ 15.00	60819	G40 LIME SLURRY SEAL RING,316S	EA	\$ 625.50
41655	BALL 9/32 DIA. CA20	EA	\$ 103.50	60828	DO NOT USE (S60829&S60829)	EA	Obsolete
60001	DRIVE HOUSING MACHINED GB	EA	\$ 975.00	60829	DO NOT USE (S60829&S60829)	EA	Obsolete
60002	SLIDING CRANK STEEL GB	EA	\$ 454.50	60855	SEAT 5/8" BALL CA20	EA	\$ 294.00
60003	ECCENTRIC STEEL GB	EA	\$ 394.50	60865	CONV KIT D7,D8,G5 POLYMER 1/2"	EA	\$ 1,311.00
60007	GEAR 10:1	EA	Obsolete	60875	ECCENTRIC; STROKE COUNTING	EA	\$ 2,809.50
60009	GEAR 20:1 MACD	EA	Obsolete	60876	TARGET; MACG STROKE COUNTING	EA	\$ 1,249.50
60011	GEAR 40:1 MACG	EA	Obsolete	60877	HOUSING; STROKE COUNTING	EA	\$ 1,938.00
60014	THRUST FLANGE BEARING GB	EA	\$ 136.50	60878	INDUCTIVE PROXIMITY SWITCH	EA	\$ 1,795.50
60020	WORM 40:1 F130 GB	EA	Obsolete	60931	BASE KIT MACROY	EA	\$ 75.00
60024	CARTRIDGE BODY PVDF GB40	EA	\$ 61.50	60948	STRK ADJ SCR G OBSOL(H60768)	EA	Obsolete
60031	HEAD PVDF GB40	EA	\$ 3,258.00	60949	BRG RET OBSOL(H60757)	EA	Obsolete
60032	HEAD POLYPRO GB40	EA	\$ 348.00	60973	HSG STROKE COUNTING SPECIAL G	EA	\$ 2,559.00
60033	HEAD PVC GB40	EA	\$ 519.00	60974	TARGET ADAPTER STR COUNTING	EA	\$ 3,829.50
60034	OIL SEAL CLAMP ALUM G	EA	\$ 51.00	60995	DIAPHRAGM, MACROY D, LE4	EA	\$ 259.50
60035	DIAPH SUPPORT RING GB40 POLYP	EA	\$ 118.50	61035	SPACER: MACROY D LE 2/4	EA	\$ 498.00
60043	OIL SEAL CLAMP ALUM G	EA	\$ 30.00	61051	SUPPORT NUT: MACD4.0	EA	\$ 370.50
60048	DIAPHRAGM / OIL SEAL BELLOW	EA	\$ 31.50	61052	DIAPHRAGM CAP: PVC; MACD4.0	EA	\$ 259.50
60050	GEAR OBSOLETE - SEE S60050	EA	Obsolete	61053	DIAPHRAGM CAP; PVDF; MACD4.0	EA	\$ 343.50
60052	SHOE GB	EA	\$ 60.00	61055	PTFE WASHER	EA	\$ 18.00
60068	HEAD PVDF GB60	EA	\$ 2,718.00	61056	PVC HEAD	EA	\$ 732.00
60070	DIAPHRAGM SUPPORT RING GB60	EA	\$ 123.00	61057	DIAPHRAGM HEAD, MACD4.0, PVDF	EA	\$ 2,283.00
60086	HEX HEAD PLUG 3/8-19 BSP	EA	\$ 84.00	61059	10-24X 3/4" HI-PREFORM HEXHEAD	EA	\$ 13.50
60117	UNION END 1/2 NPT FEMALE PVC	EA	\$ 52.50	61075	SUPPORT RING MACROY D 4	EA	\$ 144.00
60119	UNION END 1/2 NPT PVDF	EA	\$ 106.50	61076	MAC D & MILD NAMEPLTE	EA	\$ 34.50
60130	HEAD PVC GB60	EA	\$ 555.00	61083	ADAPTER; MACD2.0	EA	\$ 508.50
60132	UNION END 1" NPT PVC	EA	\$ 48.00	61088	DIAPHRAM SEAT RING	EA	\$ 526.50
60133	UNION END 1" NPT PVDF	EA	\$ 210.00	61089	DIAPHRAGM HEAD PVC SD2	EA	\$ 1,123.50
60135	COUPLING 1 BSP X 1/2 NPT 316	EA	\$ 414.00	61090	DIAPHRAGM HEAD PVDF SD2	EA	\$ 1,284.00
60147	UNION END 1" BSP PVDF	EA	\$ 594.00	61104	MALE ECCENTRIC SD2	EA	\$ 895.50
60148	CAUTION MOTOR DECAL G	EA	\$ 21.00	61105	FEMALE ECCENTRIC SD2	EA	\$ 826.50
60150	DIAPHRAGM ASSY GB40 PVC	EA	\$ 1,021.50	61106	DIAPHRAGM HEAD 316SS SD2	EA	\$ 1,729.50
60151	DIAPHRAGM ASSY GB60 PVC	EA	\$ 1,647.00	61107	BALL SEAT 9/32 BALL	EA	\$ 501.00
60159	DIAPHRAGM SUPPORT RING GB80	EA	\$ 405.00	61108	KEY SD2	EA	\$ 406.50
60160	CAP POLYPRO B80 (60639)	EA	Obsolete	61114	COUPLING IEC 71 FR MAC D	EA	\$ 625.50
60162	DIAPHRAGM GB80 GYLON	EA	\$ 348.00	61115	COUPLING 56CFR MAC D	EA	\$ 2,022.00
60163	SUPPORT NUT ALUM GB80 (60642)	EA	Obsolete	61116	BEARING DEEP GROOVE SKF# 6203	EA	\$ 48.00
60165	ADAPTER LE/HSG ALUM GB80	EA	\$ 601.50	61118	G60-80 SLURRY VALVE BODY,316	EA	\$ 2,125.50
60171	HEAD PVC GB80	EA	\$ 1,381.50	61136	COVER HOUSING MACHINED SD	EA	\$ 2,238.00
60173	DIAPH CAP PVDF GB80 (60640)	EA	\$ 945.00	61141	CHECK VALVE SD2-PVC/PVDF-NPT	EA	\$ 1,141.50
60174	HEAD PVDF GB80	EA	\$ 7,821.00	61142	CHECK VALVE SD2-PVC/PVDF-TUBE	EA	\$ 1,173.00
60180	DIAPHRAGM HEAD 316 GB80	EA	Obsolete	61145	SUPPORT RING, SD8	EA	\$ 883.50
60199	MOTOR ADAPTER PLATE IEC 80	EA	\$ 405.00	61146	SUPPORT NUT; D8	EA	\$ 538.50
60206	HEX HD SCR M8X130MM LG 304SS	EA	\$ 37.50	61147	HEAD PVDF SD8	EA	\$ 1,477.50
60208	HEX NIPPLE 1/4NPT X 1/4BSP 316	EA	\$ 103.50	61148	HEAD PVC SD8	EA	\$ 570.00
60222	WORM-GEAR-SHAFT 10:1 IEC80	EA	\$ 1,066.50	61149	HEAD 316SS SD8	EA	Obsolete
60223	WORM-GEAR-SHAFT 20:1 IEC 80	EA	\$ 1,066.50	61152	SPACER: MACROY D7/8	EA	\$ 21.00
60224	WORM-GEAR-SHAFT 40:1 IEC80	EA	\$ 1,066.50	61153	SPRING CUP D7/8 (6)	EA	\$ 75.00
60226	DIAPHRAGM ASSY GB80 PVC	EA	\$ 1,950.00	61154	PTFE SEAL RING	EA	\$ 40.50
60227	DIAPHRAGM ASSY GB80 POLYPRO	EA	\$ 1,456.50	61155	ADAPTER, CONN. ROD, SD7/8	EA	\$ 60.00
60228	DIAPHRAGM ASSY GB80 316SS	EA	\$ 2,683.50	61156	LE ADPTR, SD7/8(D61156/H51S)	EA	\$ 481.50
60229	DIAPHRAGM ASSY GB80 PVDF	EA	\$ 1,816.50	61216	SEAT CA20 1" BALL, MACROY G	EA	\$ 658.50
60232	D.D. SPACER PVC GB80	EA	\$ 2,580.00	61246	STANDOFF - D/SD ECC	EA	\$ 312.00
60233	D.D. INTER RING PVC GB80	EA	\$ 2,836.50	61247	DRIVE COUPLING - D/SD ECC	EA	\$ 592.50
60260	WORM SHAFT COUPLING IEC 71 FR	EA	\$ 118.50	61260	HEAD BLEED PORT 316 GB40	EA	\$ 1,983.00
60261	WORM SHAFT COUPLING 56C FR	EA	\$ 118.50	61261	STROKE SCREW, ORING, MACROY D	EA	\$ 2,065.50
60264	SPRING LEE LC-092H-1	EA	\$ 15.00	61262	SET SCREW M8 MOD, 3"MACROY D	EA	\$ 105.00
60266	CHECK 1/2NPT CERAMIC BALL	EA	Obsolete	61266	BASE MACROY G AND D	EA	\$ 217.50
60292	SIDE GUARDS ECC GB MODIFY	EA	\$ 508.50	61270	SEAT 3/8 BALL MACROY D-4, D-2	EA	\$ 439.50
60294	PAN HD SCR SLOT M3X10MM 304SS	EA	\$ 13.50	61273	CHECK VLV SD4-PVC/PVDF-NPT DIS	EA	\$ 913.50
60296	STROKE CONTROL KNOB KIT	EA	\$ 106.50	61274	CHECK VLV SD4-PVC/PVDF-NPT SUC	EA	\$ 508.50
60395	WORM-GEAR-SHAFT 10:1 56C	EA	\$ 1,066.50	61275	SPRING, LEE LC-016C-8-HAST-C	EA	\$ 576.00
60396	WORM-GEAR-SHAFT 20:1 56C	EA	\$ 1,066.50	61277	CHKVLVS SLURRY G6,7 KIT	EA	\$ 5,241.00
60397	WORM-GEAR-SHAFT 40:1 56C"G"	EA	\$ 1,066.50	61300	INDUCTIVE SWITCH CABLE	EA	\$ 184.50
60443	SIDE COVR OBSOLETE USE H60767	EA	Obsolete	61302	VALVE BODY & GUIDE D15.9 316L	EA	\$ 721.50
60444	STROKE ADJ (H60768)INS OBSOLET	EA	Obsolete	61303	COUPLING 1 BSP X 3/4 NPT 316	EA	\$ 885.00
60536	HEAD ACRYLIC GB40	EA	\$ 1,921.50	61304	SUC CHECK ASSY G6 316 KIT	EA	\$ 2,091.00
60618	DIAPHRAGM D82 LE 40 GYLON	EA	\$ 259.50	61305	HEAD BLEED PORT PVC GB40	EA	\$ 771.00
60624	DIAPHRAGM GB60 GYLON	EA	\$ 259.50	61306	HEAD BLEED PORT POLY PRO GB40	EA	\$ 975.00
60628	DIAPHRAGM CAP GB40 PVC	EA	\$ 186.00	61307	HEAD BLEED PORT PVDF GB40	EA	\$ 2,019.00
60629	DIAPHRAGM CAP GB40 POLYPRO	EA	\$ 276.00	61316	BALL SEAT 3/8 BALL CA-20	EA	\$ 399.00
60630	DIAPHRAGM CAP GB40 PVDF	EA	\$ 387.00	61319	HEX HD SCR M8X140MM LG 304SS	EA	\$ 15.00
60631	DIAPHRAGM CAP GB40 316SS	EA	\$ 493.50	61377	DIAPHRAGM HEAD BLK POLY SD2	EA	\$ 1,020.00
60632	SUPPORT NUT GB40 304SS	EA	\$ 325.50	61378	MALE CONN 1/16 NPTM X1/8 TUBE	EA	Obsolete
60633	DIAPHRAGM CAP GB60 PVC	EA	\$ 156.00	61379	MODIFY STUD 1/4 X 1-3/8LG	EA	\$ 351.00
60634	DIAPHRAGM CAP GB60 POLYPRO	EA	\$ 196.50	61380	ADAPTER DOUBLE DIAPH MACD2.0	EA	\$ 1,000.50
60635	DIAPHRAGM CAP GB60 PVDF	EA	\$ 1,303.50	61381	DIAPH MACROY D2 MODIFY DD	EA	\$ 399.00
60636	DIAPHRAGM CAP GB60 316SS	EA	\$ 651.00	61386	DIAPHRAM SEAT RING DD	EA	\$ 1,230.00
60637	SUPPORT NUT GB60 304SS	EA	\$ 397.50	61395	ELBOW 1" MPT X 1" BARB PVDF	EA	\$ 96.00
60638	DIAPH CAP GB80 PVC (60170)	EA	\$ 483.00	61396	ELBOW 1/2" MPT X 1/2" BARB PVDF	EA	\$ 52.50
60639	DIAPH CAP GB80 POLYPRO (60160)	EA	\$ 2,614.50	61407	DE-GASSING VALVE BODY PVC	EA	\$ 816.00

Series G Parts by Number

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Part Number	Description	Units	Price	Part Number	Description	Units	Price
61408	DE-GASSING SEAT INSERT PVC	EA	\$ 501.00	4350035542	HEX HD SCR M8 X 35MM Z PL	EA	Obsolete
61409	DE-GASSING BALL STOP PVC	EA	\$ 187.50	4350035655	HEX HD SCR M8X 90MM LG 304SS	EA	\$ 22.50
61410	DE-GASSING LIFT PIN HASTC22	EA	\$ 256.50	4350035785	HEX HD SCR M10 X 75MM LG 304	EA	\$ 31.50
61411	DE-GAS VAL ASY PVC D7/D8/G5	EA	\$ 1,939.50	4350036035	HEX HD SCR M12 X 130MM 304SS	EA	\$ 37.50
61412	UNION END 1/4 NPTF PVC	EA	\$ 103.50	4350071284	SOC SET SCR DOG PT M10X45MM ST	EA	\$ 15.00
61413	O' RING 2-015 VITON	EA	Obsolete	4350071334	SOC SET SCR DOG PT M10X70MM ST	EA	\$ 21.00
61414	DE-GASSING ADAP PVC 1" BSP	EA	\$ 1,227.00	4350071374	SOC SET SCR CUP PT M10X90MM	EA	\$ 33.00
61415	WORM-GEAR-SHAFT 14:1 56C	EA	\$ 1,066.50	4350117100	SELF-TAPPING TH'D INSERT M10	EA	\$ 16.50
61421	DEGASSING VALVE	EA	\$ 2,809.50	4370000140	BALL 14MM CERAMIC AD995	EA	\$ 129.00
61422	SENSOR ADAPTER STR COUNTING	EA	\$ 621.00	4370000169	BALL D15.9 GLASS (BOROSILICATE)	EA	\$ 63.00
61425	DE-GASSING ADAP PVC 1-1/2 BSP	EA	\$ 1,449.00	4380051062	O-RING VITON	EA	Obsolete
61426	HEAD BLEED PORT PVC GB60	EA	\$ 1,044.00	60030106071	BALL GUIDE PVC	EA	\$ 280.50
61439	SEAT 9/32 BALL CA20	EA	\$ 501.00	60240137073	SEAT POLYETHYLENE 1" BALL	EA	\$ 165.00
62000	BASE MACROY D 3-A	EA	\$ 1,080.00	1600273192N	MALE ECCENTRIC 6MM S.L. - N/A	EA	\$ 816.00
62001	DRIVE HOUSING MACHINED FD	EA	\$ 946.50	2502110067N	SEAL SIDE COVER SD	EA	\$ 72.00
62002	LOCKING KNOB MACROY FD 316	EA	\$ 621.00	3701310039N	OBSOLETED SEE 37013100039	EA	Obsolete
62003	STROKE KNOB MACROY FD 316SS	EA	\$ 1,717.50	4380024051N	O-RING 102MM ID 4MM THICK	EA	\$ 42.00
62009	STROKE SCREW COVER REWORK	EA	\$ 505.50	5203092085N	GEAR 10:1 MACROY D - N/A Must purchase Drive	EA	\$ 468.00
62013	DIAPHRAGM CAP 40 316SS 3A PUMP	EA	\$ 1,410.00	5203093085N	GEAR 20:1 MACROY D - N/A Must purchase Drive	EA	\$ 468.00
62014	LE ADAPTOR, SD7/8, 3A PUMP	EA	\$ 2,772.00	5203094085N	GEAR 40:1 MACROY D - N/A Must purchase Drive	EA	\$ 237.00
62019	BALL GUIDE 5/8 WITH 1" T/C	EA	\$ 2,166.00	H60767	SIDE COVER GB	EA	\$ 610.50
62020	SEAT 5/8 BALL WITH 1" T/C	EA	\$ 684.00	H60768	ADJUST SCREW GB	EA	\$ 177.00
62021	LIQUID END SD 7/8 3-A	EA	\$ 3,880.50	RPM019	ROUTINE MAINT KIT GB40 POLYPRO	EA	\$ 946.50
70003	MOLDED CONNECTING ROD DMR PART-N/A	EA	\$ 148.50	RPM020	ROUTINE MAINT KIT GB60 POLYPRO	EA	\$ 1,873.50
70022	G KNOB STICKER(SEE69004)	EA	Obsolete	RPM021	ROUTINE MAINT KIT GB80 POLYPRO	EA	\$ 1,932.00
70066	STROKE ADJUST KNOB GB	EA	\$ 75.00	RPM022	ROUTINE MAINT KIT GB40 PVC	EA	\$ 838.50
70067	VENT W/DIP STICK	EA	\$ 91.50	RPM023	ROUTINE MAINT KIT GB60 PVC	EA	\$ 1,429.50
40215010	VALVE CLAMP 304SS	EA	\$ 493.50	RPM024	ROUTINE MAINT KIT GB80 PVC	EA	\$ 1,755.00
210696016	VAL BODY & GUIDE (REWORK)	EA	\$ 574.50	RPM025	ROUTINE MAINT KIT GB40 PVDF	EA	\$ 1,203.00
210696071	CARTRIDGE BODY DOUBLE B40 PVC	EA	\$ 343.50	RPM026	ROUTINE MAINT KIT GB60 PVDF	EA	\$ 2,056.50
210760016	HEAD 316 GB40	EA	Obsolete	RPM027	ROUTINE MAINT KIT GB80 PVDF	EA	\$ 3,726.00
210761016	HEAD 316 GB60	EA	Obsolete	RPM028	ROUTINE MAINT KIT GB40 G5 316	EA	\$ 2,424.00
240137016	SEAT,1" BALL, 316SS	EA	\$ 1,297.50	RPM029	ROUTINE MAINT KIT GB60 316SS	EA	\$ 1,242.00
440090078	POPPET, PVDF	EA	\$ 210.00	RPM030	ROUTINE MAINT KIT GB80 316SS	EA	\$ 1,932.00
450128116	CHECK VALVE BODY 1"NPT 316	EA	\$ 324.00	RPM045	RPM KIT G5 SG5 PP/PVC/ACRYLIC	EA	\$ 631.50
450420016	COUPLING 1 BSP X 1/2 BSP 316	EA	\$ 312.00	RPM046	RPM KIT G5 SG5 PVDF	EA	\$ 612.00
800123026	SPRING, HASTELLOY C	EA	\$ 87.00	RPM047	RPM KIT G5 SG5 316SS	EA	\$ 1,864.50
920064071	BALL STOP B40 PVC	EA	\$ 196.50	RPM048	RPM KIT G6 SG6 PP/PVC/ACRYLIC	EA	\$ 789.00
980358062	SUPPORT NUT D82 LE 40	EA	\$ 156.00	RPM049	RPM KIT G6 SG6 PVDF	EA	\$ 1,290.00
980366071	D.D. INTER RING PVC GB40	EA	\$ 589.50	RPM050	RPM KIT G6 SG6 316SS	EA	\$ 739.50
980367071	D.D. SPACER PVC GB40	EA	\$ 589.50	RPM051	RPM KIT G7 SG7 PP/PVC/ACRYLIC	EA	\$ 828.00
980368071	D.D. INTER RING PVC GB60	EA	\$ 3,370.50	RPM052	RPM KIT G7 SG7 PVDF	EA	\$ 1,347.00
980369071	D.D. SPACER PVC GB60	EA	\$ 2,901.00	RPM053	RPM KIT G7 SG7 316SS	EA	\$ 1,183.50
2240173078	SEAT 5/8 PVDF	EA	\$ 51.00	RPM099	RPM KIT D2/SD2 PVC / PVDF	EA	\$ 1,215.00
2530040602	STROKE SCALE	EA	\$ 21.00	RPM101	RPM KIT D2/SD2 316SS	EA	\$ 1,132.50
3050583022	CHECK VALVE D25 ASSY 316SS	EA	\$ 906.00	RPM102	RPM KIT D4/SD4 PVC / PVDF	EA	\$ 466.50
3050629007	COMP BODY/SEAT/ORING/BALL	EA	\$ 784.50	RPM104	RPM KIT D4/SD4 316SS	EA	\$ 615.00
3050629008	CHECK VALVE D25 ASSY PVDF	EA	\$ 744.00	RPM105	RPM KIT D8/SD8 PVC	EA	\$ 474.00
3050629009	COMP BODY/SEAT/ORING/BALL	EA	\$ 1,209.00	RPM106	RPM KIT D8/SD8 PVDF	EA	\$ 468.00
3050629500	SEAT, BALL, SEAL KIT - G6/7	EA	\$ 373.50	RPM107	RPM KIT D8/SD8 316SS	EA	\$ 1,618.50
3050629700	SEAT, O-RING, BALL D25 PVDF	EA	\$ 1,534.50	RPM126	RPM KIT G5 SG5 POLYMER CHKVLVS	EA	\$ 1,261.50
3050870007	CHK VALVE DN 15 PVC	EA	\$ 366.00	RPM134	RPM KIT G51X0002	EA	\$ 1,593.00
3050870008	CHECK VALVE D15.9 ASSY PVDF	EA	\$ 399.00	RPM135	RPM KIT D7/SD7 PVC	EA	\$ 474.00
3050876602	SS CHK VALV USE IN HSE COMPON	EA	\$ 840.00	RPM136	RPM KIT D7/SD7 PVDF	EA	\$ 523.50
3050879500	SEAT, BALL & O-RING KIT GB	EA	\$ 250.50	RPM137	RPM KIT D7/SD7 316SS	EA	\$ 1,618.50
3050879700	SEAT, O-RING, BALL D15.9 PVDF	EA	\$ 273.00	RPM161	RPM KIT D2/SD2 PVC / PVDF D.D.	EA	\$ 1,624.50
3050976090	DIAPHRAGM ASSY GB60 POLYPRO	EA	\$ 814.50	RPM162	RPM KIT D2/SD2 316SS D.D.	EA	\$ 1,540.50
3050976110	DIAPHRAGM ASSY G5 POLYPRO	EA	\$ 814.50	RPM163	RPM KIT D4/SD4 PVC / PVDF D.D.	EA	\$ 643.50
3050976120	DIAPHRAGM ASSY GB40 316	EA	\$ 946.50	RPM164	RPM KIT D4/SD4 316SS D.D.	EA	\$ 805.50
3050976130	DIAPHRAGM ASSY GB40 PVDF	EA	\$ 1,044.00	RPM173	RPM KIT D4 H2504 NPT CONN	EA	\$ 1,063.50
3050976230	DIAPHRAGM ASSY GB60 PVDF	EA	\$ 939.00	RPM174	RPM KIT D4 H2504 TUBING CONN	EA	\$ 1,069.50
3050976320	DIAPHRAGM ASSY GB60 316	EA	\$ 1,059.00	RPM175	RPM KIT G5 D7 SG5 SD7 H2504	EA	\$ 939.00
4040009012	FLAT WASHER 3/8 Z PLT	EA	\$ 13.50	RPM176	RPM KIT G6 SG6 POLYMER CHKVLVS	EA	\$ 1,873.50
4040107231	TRUARC RET RING 5160-66 - N/A	EA	\$ 12.60	RPM178	ROUTINE MAINT KIT SD71X0001	EA	\$ 2,604.00
4050018119	HEX HD SCR 3/8-16X1 GR5 ULTRA	EA	\$ 16.50	RPM183	RPM KIT D8 H2504	EA	\$ 969.00
4070014172	BALL 5/8 316SS	EA	\$ 64.50	RPM185	RPM KIT FD7 SEAT,BALL,GASKET	EA	\$ 1,066.50
4070014173	BALL 5/8 CA20	EA	\$ 160.50	RPM194	RPM KIT G6 SG6 H2504	EA	\$ 4,159.50
4070014233	BALL 1" CA20	EA	\$ 412.50	RPM196	RPM KIT SD4 & SD2 POLYMER	EA	\$ 1,635.00
4070152010	GEAR OIL EP-95, QUART CAN	QT	\$ 33.00	RPM203	RPM KIT G7 H2504	EA	\$ 3,547.50
4070324030	SD GEAR OIL	QT	\$ 78.00	RPM210	RPM KIT D8/SD8 POLYMER	EA	\$ 822.00
4080068135	O-RING 2-123 VITON A	EA	\$ 19.50	RPM211	RPM KIT D7/SD7 POLYMER	EA	\$ 1,084.50
4080095371	O-RING PARKER 2-246 BUNA N	EA	\$ 19.50	RPM212	RPM KIT D4/SD4 SLURRY	EA	\$ 1,479.00
4090116040	BEARING CONE - TIMKEN LM11949	EA	\$ 49.50	RPM219	RPM KIT G6 SG6 316SS SLURRY	EA	\$ 1,285.50
4090116050	BEARING CUP - TIMKEN LM11910	EA	\$ 27.00	RPM220	RPM KIT G7 SG7 316SS SLURRY	EA	\$ 1,419.00
4099994000	BEARING SINGLE ROW SKF# 6303 - N/A	EA	\$ 244.50	RPM221	RPM KIT G7 SG7 POLYMER CHKVLVS	EA	\$ 2,680.50
4320236038	UNION NUT 1/2" PVC	EA	\$ 36.00	SG6064	CONNECTING ROD GB	EA	\$ 513.00
4320236058	UNION NUT 1" PVC	EA	\$ 45.00				
4320350008	UNION END METRIC SOC 25X32PVC	EA	\$ 31.50				
4320350028	UNION END METRIC SOC 15X20PVC	EA	\$ 21.00				
4340009002	SPRING LOCKWASHER 8MM SS	EA	\$ 13.50				
4340009095	SPRING LOCKWASHER 12MM 18-8SS	EA	\$ 13.50				
4340055073	FLAT WASHER M12 REG 304SS	EA	\$ 13.50				
4350000042	HEX NUT M8 CLASS 8 STAINLESS S	EA	\$ 13.50				
4350001622	HEX HD SCR M8X 16MM LG Z PL	EA	\$ 13.50				
4350001655	HEX HD SCR M8-1.25X110 304SS	EA	\$ 16.50				
4350001732	HEX HD SCR M10 X 25MM STL	EA	\$ 13.50				
4350003473	SOC HD SCR M8 X 25MM ZINC PLT	EA	\$ 13.50				

SECTION III
CONTROLLERS
&
ACCESSORIES

Controllers



CONTROLLERS

Conductivity

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Conductivity

Liquitron™ DC4000 Series					Price
DC4000	Microprocessor-Based, Cooling Tower/boiler conductivity controller with four [4] programmable inhibitor feed options, 4-20 mA (non-isolated) recorder output. 0 - 20,000 µS/cm control range.				\$ 930
	Voltage	Voltage	Frequency	Plug	
	01	115VAC	50-60 HZ	No power cord, PG-9 connectors	\$ -
	02	230VAC	50-60 HZ	No power cord, PG-9 connectors	\$ -
	03	115VAC	50-60 HZ	No power cord, 1/2" NPT Plugs	\$ -
	04	230VAC	50-60 HZ	No power cord, 1/2" NPT plugs	\$ -
	1	115 VAC*	50-60 HZ	USA Plug	\$ -
	2	230 VAC*	50-60 HZ	USA Plug	\$ -
	3	220-240 VAC*	50-60 HZ	DIN Plug	\$ -
	5	240-250 VAC*	50-60 HZ	UK Plug	\$ -
	6	240-250 VAC*	50-60 HZ	AUST/NZ Plug	\$ -
	Probe and Manifold				
	0	No Probe/Manifold			\$ -
	1	Cooling Tower Carbon Probe and 3/4" Fslip Sch 80 PVC Tee with 10 ft (3m) Cable Assembly (Manifold # 34758)			\$ 299
	2	Cooling Tower Carbon Probe and Manifold Assembly with Flow Switch, Sample Valve and 10ft (3m) Cable Assembly (Manifold # 34752)			\$ 533
	3	Boiler Probe Assembly with 1" Cross and 1/2" Conduit Tee (Manifold # 34761)			\$ 429
DC4000 -	01 -	0			

NOTES:

*+ All options listed with a part number above are available for purchase separately. The price listed with the accessory is the price if purchased separately.

* 115VAC Units are provided with one 6 ft. (2m) grounded power cord and plug, and two [2] 1 ft. (30 cm) output power cords with grounded receptacles for controlled devices.

230VAC Units are provided with 6 ft. (2m) grounded power cords and plug, and throughput connectors for hardwire connection of controlled devices.

A CE approved controller must be requested by adding the prefix "CE". Example: CE-DC4000-X.

For support:



CONTROLLERS

Conductivity

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Conductivity

Liquitron™ DC4500 Series							Price	
DC4500	Microprocessor-Based, Cooling Tower conductivity controller with dual biocide, adjustable lockout timer, prebleed, four [4] programmable inhibitor feed options, and 4-20 mA (non-isolated) recorder output. 0 - 20,000 μS /cm control range.						\$ 1,278	
	Power Supply		Voltage					
	1	115 VAC				\$ -		
	2	220 - 250 VAC				\$ -		
		Voltage	Description	Frequency	Plug			
		0	PG-9 Connectors	50-60 HZ	No Power Cord	\$ -		
		1	115 VAC*	50-60 HZ	USA Plug	\$ -		
		2	230 VAC*	50-60 HZ	USA Plug	\$ -		
		3	220-240 VAC*	50-60 HZ	DIN Plug	\$ -		
		5	240-250 VAC*	50-60 HZ	UK Plug	\$ -		
		6	240-250 VAC*	50-60 HZ	AUST/NZ Plug	\$ -		
		Pump Control Wiring						
		0	No Pump Output Power Cables (Pump Hardwired)				\$ -	
		1	Three (3) Pump Output Power Cables (115VAC receptacles)				\$ -	
		2	Three (3) Pump Signal Cables (Four [4] Conductor with 4-pin Connector)				\$ -	
		3	Three (3) Pump Signal Cables (Five [5] Conductor with 5-pin Connector)				\$ -	
			Probe and Manifold					
			0	No Probe/Manifold				\$ -
			1	Cooling Tower Carbon Probe and 3/4" Fslip Sch 80 PVC Tee with 10 ft (3m) Cable Assembly (Manifold # 34758)				\$ 299
			2	Cooling Tower Carbon Probe and Manifold Assembly with Flow Switch, Sample Valve and 10ft (3m) Cable Assembly (Manifold # 34752)				\$ 533
			3	Cooling Tower Carbon Probe and Manifold Assembly with Flow Switch, Sample Valve and 10ft (3m) Cable Assembly (Manifold # 35657) – Includes ¾" FNPT Connections				\$ 534
DC4500 -	1	0	0	A -	0			

NOTES:

*+ All options listed with a part number above are available for purchase separately. The price listed with the accessory is the price if purchased separately.

* 115VAC Units are provided with one 6 ft. (2m) grounded power cord and plug, and four [4] 1 ft. (30 cm) output power cords with grounded receptacles for controlled devices.

230VAC Units are provided with 6 ft. (2m) grounded power cords and plug, and throughput connectors for hardwire connection of controlled devices.

For support:



CONTROLLERS

Conductivity

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Conductivity Controller - Accessories			
DC4500 Part No.	DC4000 Part No.	Description	Price
35659	35659	Carbon Probe & 3/4" NPT Sch 80 PVC Tee	\$ 292
34758	34758	Carbon Probe & 3/4" Fslip Sch 80 PVC Tee	\$ 299
35657	35657	Carbon Probe & Manifold Assembly, NPT	\$ 534
34752	34752	Carbon Probe & Manifold Assembly	\$ 533
34659	34659	Carbon Probe & Cable	\$ 260
32623	32623	Carbon Probe with Tee & 4-Pin Connector	\$ 369
34565	34565	Flow Switch Assembly with 3/4" Fslip Sch 80 PVC Tee	\$ 204
48088	48088	Flow Switch Assembly with 3/4" Fslip Sch 80 PVC Tee w/	\$ 220
36130	36130	Flow Switch Assembly with 3/4" NPT Sch 80 PVC Tee	\$ 204
36131	36131	Flow Switch Assembly, Threaded	\$ 204
37505	37505	Float Assembly (Techtron)	\$ 53
37586	37586	Tee, Flow Switch Assembly NPT	\$ 59
35674	35674	Tee, Flow Switch Assembly	\$ 20
34572	34572	Flow Switch & 3/4" Fslip	\$ 318
34746	34746	Sample Valve with 3/4" Fslip Sch 80 PVC Tee (Horizontal	\$ 59
34747	34747	Sample Valve with 3/4" Fslip Sch 80 PVC Tee (Vertical	\$ 167
34749	34749	Union Kit, PVC (Union & 2 Sleeves)	\$ 29
37535-20	37535-20	20 FT Extension Cable Assembly, Carbon Probe	\$ 107
37535-50	37535-50	50 FT Extension Cable Assembly, Carbon Probe	\$ 177
37535-100	37535-100	100 FT Extension Cable Assembly, Carbon Probe	\$ 283
-	34761	Boiler Probe Assembly with 1" Cross & 1/2" Conduit	\$ 429

Replacement Parts for Controller Accessories			
DC4500 Part No.	DC4000 Part No.	Description	Price
32829	32829	Clamp, Pipe	\$ 13
32838	32838	Pin, Retaining for Tee	\$ 15
34541	34541	Standoff, Pipe	\$ 9
32383	32383	Tee for 32776 Carbon Probe	\$ 69
35660	35660	Tee Assembly, 3/4" NPT PVC (for carbon probe)	\$ 86
34668	34668	Tee Assembly, 3/4" Fslip PVC (for carbon probe)	\$ 81
-	34759	Boiler Probe	\$ 296
-	34760	Cross, 1"	\$ 95
-	34796	Conduit Box Assembly	\$ 59
-	35058	Nipple, 1/2" Conduit	\$ 7
-	35059	Fitting, 1/2" Conduit	\$ 23
37435	37435	O-Ring, Union	\$ 27
35666	35666	Sample Valve Tee Assembly, 3/4" NPT Vertical	\$ 62

CONTROLLERS

Conductivity

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DC4000 - Boiler Accessories		
DC4000 Part Number	Description	Price
35201	Flow Control Valve 1/2" - 800 psi	\$ 1,294
35202	Flow Control Valve 3/4" - 800 psi	\$ 1,547
35206	Orifice Union	Obsolete
35207	Orifice Union w/Plates (no holes)	\$ 260
35208	Orifice Union w/Plates (pre-drilled)	\$ 301
35210	Orifice Plates (no holes)	Obsolete
35211	Orifice Plates (pre-drilled)	\$ 132
35213	Worcester 10-36 Actuator	Obsolete
35216	Worcester 10-36 Actuator with 1/2" valve	Obsolete
35217	Worcester 10-36 Actuator with 3/4" valve	Obsolete
35218	Worcester 10-75 Actuator with 1/2" valve	Obsolete
35219	Worcester 10-75 Actuator with 3/4" valve	Obsolete

Conductivity Controller - Spare Parts				
DC5500 Part No.	DC4500 Part No.	DC4000 Part No.	Description	Price
25930	25930	25930	Cap, 4-Pin Jack, Yellow	\$ 5
25957-1	25957-1	25957-1	Cord Clamp	\$ 10
25990	25990	25990	Connector Assembly	\$ 15
36810	36810	36810	Dowel	\$ 4
30588	30588	30588	Label, Outside Junction Panel (LMI)	\$ 6
30749	30749	30749	Power Cord, 115V - '1' Cord	\$ 60
30752	30752	30752	Power Cord, 230V - '3' Cord, DIN	\$ 35
30754	30754	30754	Power Cord, 230V - '6' Cord, AUST	\$ 37
31571	31571	31571	Clamp, Cord (PG-9)	\$ 9
31617	31617	31617	Cover	\$ 36
32094	32094	32094	Label, Housing Cover (water drop)	\$ 11
32186	32186	32186	Screw, 4-40 x .37	\$ 4
32187	32187	32187	Nut, 4-40 Flush	\$ 4
32209	32209	32209	Latch	\$ 12
32211	32211	32211	Cap, .125 x .38	\$ 5
32352	32352	32352	O-Ring, Sponge	\$ 7
32395	32395	32395	Screw	\$ 5
33566	33566	33566	Solder Lug Terminal	\$ 6
34074	34074	34074	Gasket, Foam	\$ 6
34088	34088	34088	Cover Utility Box	\$ 23
-	-	36525	Front Panel Assembly	\$ 758
34716	34716	34716	Standoff	\$ 9
34735	34735	34735	Ground Wire Assembly	\$ 7
-	-	34710	I/O Board Assembly	\$ 441
-	-	34675	Housing, U.S.A.	\$ 108
-	-	34931	Label, External Plugs	\$ 11
35712	35712	35712	Fuse, 4A, Time Delay	\$ 8

pH / ORP

Liquitron™ DP5000 & DR5000 Series					Price	
DP5000	Microprocessor-Based, pH controller, wall mount, on/off or proportional pump control, limit timers, hi/low alarm, low level and flow switch inputs, custom backlit LCD display.				\$ 1,965	
DR5000	Microprocessor-based ORP controller, wall mount, on/off or proportional pump control, limit timers, hi/low alarm, low level and flow switch inputs, custom backlit LCD display.				\$ 1,965	
	Voltage		Frequency	Plug		
	1	115 VAC*	50/60 Hz	USA Plug	\$ -	
	2	230 VAC*	50/60 Hz	USA Plug	\$ -	
	3	220-240 VAC*	50/60 Hz	DIN Plug	\$ -	
	5	240-250 VAC*	50/60 Hz	UK Plug	\$ -	
	6	240-250 VAC*	50/60 Hz	AUST/NZ Plug	\$ -	
		Pump Control				
		A	On/Off Output			\$ -
		B	Proportional Output (non-Roytronic pumps)			\$ -
		C	Proportional Output (for Roytronic Series pumps)			\$ -
			Recorder Output			
	0		No Probe/Manifold			\$ -
	1		4-20 mA Recorder Output (isolated) (replacement part 37830 - see note below)			\$ 420
DP5000 -	1	A -	0			

To complete your DP5000 or DR5000 installation, select either:

1. Submersible probe and cable assembly, or
2. In-line probe, cable assembly, and tee assembly.

See the following page for more details

NOTES:

*+ All options listed with a part number above are available for purchase separately. The price listed with the accessory is the price if purchased separately.

* 115VAC & 220 VAC Proportional Units are provided with one [1] 6 ft. (2m) grounded power cord and plug, and two [2] 10 ft. (3 cm) output cables for direct connections to LMI Series "7" and "9" pumps.

115VAC On/Off Units are provided with one 6 ft. (2m) grounded power cord and plug, and two [2] 1 ft (30cm) output power cords with grounded receptacles for pumps.

230VAC Units are provided with 6 ft. (2m) grounded power cords and plug, and throughput connectors for hardwire connection of controlled devices.

For DR Controller support:



For DP Controller support:



To complete your DP5000 or DR5000 installation, select either

- 1) submersible probe and cable assembly or
- 2) in-line probe, cable assembly and tee assembly.

CONTROLLERS

pH and ORP

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pH / ORP Controller - Accessories

DP5000 Part No.	DR5000 Part No.	Description	Price
32820	-	Flat Surface Combination [pH] Electrode, In-Line PVC Body	\$ 458
-	33369	Flat Surface Combination [ORP] Electrode, In-Line PVC Body	\$ 551
32821	-	Flat Surface Combination [pH] Electrode, Submersible PVC Body	\$ 458
-	33368	Flat Surface Combination [ORP] Electrode, Submersible PVC Body	\$ -
32822	-	Cable Assembly with Temperature Compensation for In-Line Mounting (compatible with Electrode p/n 32819)	\$ 1,947
32823	-	Cable Assembly with Temperature Compensation for Submersible Mounting	\$ 525
32824	-	Cable Assembly with Temperature Compensation for In-Line Mounting (compatible with Electrode p/n 32820)	\$ 695
33370	33370	Cable Assembly, Non-Temperature Compensated, install kit with a 3/4" NPT PVC "T" for In-Line Mounting (Compatible with Electrodes 32819 [pH])	\$ 281
33371	33371	Cable Assembly, Non-Temperature Compensated, install kit with a 3/4" NPT CPVC "T" for In-Line Mounting (Compatible with Electrodes 32820 [pH] or 33369 [ORP])	\$ 414
33372	33372	Cable Assembly, Non-Temperature Compensated, for Submersible Mounting (Compatible with Electrodes 32819 & 32821 [pH])	\$ 222
34495	-	Cable Assembly with Temperature Compensation for In-Line Mounting (Compatible with Electrode 32819 & 32820 [pH only])	\$ 657
34624	34624	Tee Assembly, without TC (F Slip) (Compatible with 32820 electrode [pH] or 33369 electrode [ORP])	\$ 92
34625	-	Tee Assembly, with TC (Compatible with 32820 electrode [pH only])	Obsolete
34665	34665	Tee Assembly, without TC (Compatible with 32819 electrode [pH])	\$ 65
34666	-	Tee Assembly, with TC (Compatible with 32819 electrode [pH only])	\$ 70
35662	-	Tee Assembly, pH with TC, 3/4" NPT	Obsolete
33217	33217	Pre-Amp, pH / ORP	\$ 437
33286-25	33286-25	25' Cable Assembly (only), for Pre-Amp to Controller	\$ 160
33286-50	33286-50	50' Cable Assembly (only), for Pre-Amp to Controller	\$ 226
33286-100	33286-100	100' Cable Assembly (only), for Pre-Amp to Controller	\$ 348
37830	37830	4-20 mA Circuit Board Assembly	\$ 360
34565	34565	Flow Switch Assembly with 3/4" Fslip Sch 80 TVC Tee	\$ 204
36130	36130	Flow Switch Assembly with 3/4" NPT Sch 80 PVC Tee	\$ 204
34561	34561	Switch Assembly	\$ 129
37505	37505	Float Assembly (Techtron)	\$ 53
37586	37586	Tee, Flow Switch Assembly NPT	\$ 59
34746	34746	Sample Valve with 3/4" Fslip Sch 80 TVC Tee (Horizontal Mounting)	\$ 59
34747	34747	Sample Valve with 3/4" Fslip Sch 80 TVC Tee (Vertical Mounting)	\$ 167
34749	34749	Union Kit, PVC (Union & Two [2] Sleeves)	\$ 29
34751	34751	pH/ORP Manifold Assembly (Compatible with 32820 electrode [pH] or 33369 [ORP])	Obsolete

CONTROLLERS
pH and ORP

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pH / ORP Controller - Spare Parts			
DP5000 Part No.	DR5000 Part No.	Description	Price
25957-1	25957-1	Cord Clamp	\$ 10.00
28898	28898	Dowel	\$ 5.00
30588	30588	Label	\$ 6.00
30749	30749	Power Cord, 115V - '1' Cord	\$ 60.00
30752	30752	Power Cord, 230V - '3' Cord	\$ 35.00
30754	30754	Power Cord, 230V - '6' Cord	\$ 37.00
31571	31571	Clamp, Cord (PG-9)	\$ 9.00
31576	31576	Standoff	\$ 5.00
32094	32094	Label	\$ 11.00
32186	32186	Screw, 4-40 x .37	\$ 4.00
32187	32187	Nut, 4-40 Flush	\$ 4.00
32209	32209	Latch	\$ 12.00
32211	32211	Cap, .125 x .38	\$ 5.00
32352	32352	O-Ring, Sponge	\$ 7.00
32395	32395	Screw	\$ 5.00
33636	33636	4-Pin Cable Assembly	\$ 41.00
34074	34074	Gasket, Foam	\$ 6.00
34092	-	Switch, Membrane	\$ 116.00
-	34642	Switch, Membrane	\$ 330.00
37524	-	Front Panel Assembly	\$ 1,082.00
-	37526	Front Panel Assembly	\$ 1,370.00
34200	34200	PCB Assembly	\$ 1,082.00
34270	34270	I/O Board Assembly	\$ 511.00
34329	34329	BNC Cable Assembly	\$ 86.00
34330	34330	Ribbon Cable Assembly	\$ 44.00
34691	34691	Housing	\$ 109.00
34716	34716	Standoff	\$ 9.00
34930	34930	Label, Terminal Cover	\$ 12.00
37435	37435	O-Ring, Union	\$ 27.00

Flow Switch Time Switch

Flow Switch & Time Switch

Liquitron™ FS5000 Series Flow Switch		Price
FS5000	Flow Switch Controller for use in applications that require flow/no flow control of metering pumps or other devices. Includes flow switch with 3/4" FSLIP fittings, three (3) 115 VAC receptacles on with flow, one (1) 115 VAC service receptacle, and 0.75 GPM flow activation. Power indicator light, flow indicator light and test switch included.	\$ 668

Liquitron™ FS5000 Series Flow Switch		Price
33424	This compact digital time switch is capable of operating two pumps or one pump and one valve for simultaneous operation of feed and bleed. It provides precise timing with the flexibility of daily and/or weekly programming. Simple and fast setting by means of push buttons and display prompts.	\$ 890

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