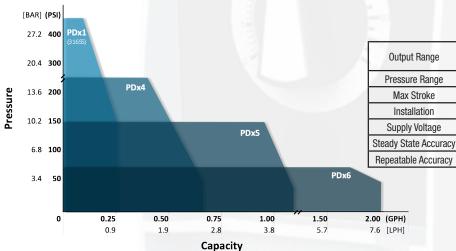
PD Series Chemical Metering Pump

Designed to Last

Introducing the PD Series chemical metering pump, the new standard in water treatment. This upgrade to LMI's most popular pump series includes an improved drive design, all new electronics, and proven FASTPRIME[™] liquid ends. Available in Manual or Enhanced control models, the PD Series pump fits seamlessly into your process control application. The Manual model offers straightforward control without the need for tedious calculations. Its split-scale dial ensures precision, even at lower flow rates. The Enhanced model offers external control and a large graphical display to provide intuitive access to advanced features such as calibration assist, system and user totalizers, the new STAYPRIME[™] degassing technology, and more.

Trusted by water treatment professionals for more than a generation, the PD Series chemical metering pump will continue to earn your trust for years to come.



Performance Specifications



DATA SHEE

Manual Model

.002 - 2.0 GPH

(.008 – 7.6 LPH) 50-450 PSI (3.4-30.6 BAR)

160 SPM

Indoor/Outdoor

115-230V / 50-60Hz

+/- 3%

+/- 3%

Enhanced Model

FastPrime[™] Liquid Ends*

			· · · · ·	
	PSI	GPH	BAR	LPH
	450	0.10	30.6	0.38
PDx1	300	0.20	20.4	0.76
	150	0.25	10.2	0.95
	250	0.35	17.0	1.32
PDx4	150	0.52	10.2	1.97
	50	0.68	3.4	2.57
	150	0.80	10.2	3.03
PDx5	110	1.00	7.5	3.79
	30	1.10	2.0	4.20
	70	1.70	4.8	6.44
PDx6	60	1.85	4.1	7.00
	50	2.00	3.4	7.57
*Star	ndard o	n PD0 a	nd PD7	models

*Standard on PDU and PD7 mode

Features and Benefits

- Shared drive platform with universal 115-230V, 50/60 Hz power supply
- Flows from 2 GPH (7.57 LPH) up to 450 PSI (30.6 BAR)
- Simplified capacity control with constant stroke length to maintain calibration across the adjustable range
- Advanced electronics with dynamic compensation for temperature and voltage conditions
- FastPrime[™] liquid ends (standard) that allow fast and easy priming with integrated bleed valve
- AutoPrime[™] liquid ends (optional), designed specifically for off-gassing liquids (See page 4 for performance specifications)
- Rugged construction with NEMA 4X/IP 65 housing for the harshest environments and outdoor use
- Compact footprint for efficient use of space in process applications or OEM configuration
- Agency certifications NSF 61 and 50 (pending), ETL, CE
- Built on decades of experience and fully backed by LMI's two-year warranty

Enhanced Functionality (PD7)

- **2.4" Color LCD** Intuitive navigation allows you to configure and operate with ease view status and alerts from a distance to confirm safe operation
- External Control Inputs Automate your process with pulse pacing, remote start/stop, and tank level indication ideal for proportional dosing
- Calibration Assist Simply draw from a column and adjust the estimated value on-screen to the measured actual – calibration is that easy
- System & User Totalizers An odometer for your pump that logs pump strokes, estimated volume, and power cycles confirm pump operation between visits
- StayPrime[™] Degassing Technology Automates the priming cycle after a period of idle pump time to ensure prime





OUTPUT CODE 1 ______ 0.25 GPH (0.95 LPH); 450 psi (30.6 bar)

Drive E	Ind									
Contro	Control									
PD01		Manua	al Control	-						
PD71		Enhanced Control with Pulse Input, Remote Stop/Start, and Tank Level Input								
	Power Code									
	Х	See P	ower Cod	e Table						
		Liquio	d End	l	Head	Fittings	Balls	Seat / O-Rings	Connections	RPM Kit
	Machined FastPrime [™]									
		907N	Р	3	816SS	316SS	316SS	316SS / PTFE	1/4" NPT	RPM-907
PD01	1	-907	N	Р						

OUTPUT CODE 4 _____ 0.68 GPH (2.6 LPH); 250 psi (17.0 bar)

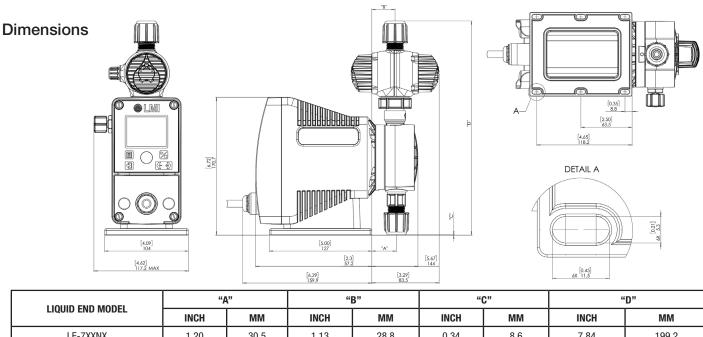
									,, , , ,
Drive E									
Contro	bl								
PD04		Manua	al Contr	ol	-				
PD74	_	Enhan	iced Co	ntrol wit	h Pulse Input,	Remote Stop/S	Start, and Tank	Level Input	
	Powe	r Code							
	Х	See Po	ower Co	ode Tabl	е				
		Liquic	d End		Head	Fittings	Balls	Seat / O-Rings	RPM Kit
		Molde	ed Fast	Prime™					
		8	22		PVDF	PVDF	Ceramic	PTFE / Polyprel®	RPM-822
		8	23		PVDF	PVDF	Ceramic	PTFE / Polyprel®	RPM-823
		8	28		PVC	PVC	Ceramic	PTFE /Polyprel®	RPM-822
		Mach	ined Fa	astPrim	₽тм				
		9	25		PP	PP	Ceramic	PTFE / Polyprel®	RPM-823
		9	27		316SS	316SS	316SS	316SS / PTFE	RPM-927
		9	28		PVC	PVC	Ceramic	PTFE / Polyprel®	RPM-822
		93	29		Acrylic	PVDF	PTFE	Polyprel®	RPM-929
		9	20		Acrylic	PVC	Ceramic	PTFE / Polyprel®	RPM-822
		AutoP	rime™	I					
		A	28		PVC	PVC	Ceramic	PTFE / Polyprel®	RPM-A20A
		A	20		Acrylic	PVC	Ceramic	PTFE / Polyprel®	RPM-A20A
		FastPrime Valve Code				A	AutoPrime Val	ve Code	
			S	with 4	Function Val	ve	H with 4	4 Function Valve	
			N	-			A -		
		Connection Code				Also	sold as		
				I	Imperial			2	
				М	Metric			3	
				Р	Pipe (1/4"	NPT, 316SS on	ly)	0	
PD04	1	- 822	S						

Power Code	Voltage	Frequency	Plug
1	115/230V	50-60 Hz	110-120V US Plug, UL
2	115/230V	50-60 Hz	220-240V US Plug, UL
3	115/230V	50-60 Hz	220-240V DIN Plug, CE
5	115/230V	50-60 Hz	220-240V UK Plug, CE
6	115/230V	50-60 Hz	220-240V Aust/NZ Plug

A30 Acrylic PVC Ceramic PTFE / Polyprel® FastPrime Valve Code AutoPrime Valve Code S with 4 Function Valve H with 4 Function Valve N - A - Connection Code Also sold as	• •	1:1 di 11 (4:2 El 11); 100								
PD05 Manual Control - PD75 Enhanced Control with Pulse Input, Remote Stop/Start, and Tank Level Input Power Code X See Power Code Table X See Power Code Table Eliquid End Head Fittings Balls Seat / O-Rings Molded FastPrime™ VDF Ceramic Polyprel® 832 PVDF PVDF Ceramic Polyprel® 833 PVDF PVDF Ceramic Polyprel® 833 PVDF PVDF Ceramic Polyprel® 833 PVC PVC Ceramic Polyprel® Machined FastPrime™ 935 PP PP Ceramic PTFE 937 316SS 316SS 316SS 316SS / PTFE 938 PVC PVC Ceramic Polyprel® 930 Acrylic PVC Ceramic Polyprel® AutoPrime™ A38 PVC PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic									nd	Drive E
PD75 Enhanced Control with Pulse Input, Remote Stop/Start, and Tank Level Input Power Code X See Power Code Table X See Power Code Table Liquid End Head Fittings Balls Seat / O-Rings Molded FastPrime™ 832 PVDF PVDF Ceramic Polyprel® 833 PVDF PVDF Ceramic PTFE 833 PVC PVC Ceramic POlyprel® Machined FastPrime™ 935 PP PP Ceramic PTFE 937 316SS 316SS 316SS 316SS / PTFE 9339 Acrylic PVC Ceramic Polyprel® 939 Acrylic PVC PVC Ceramic Polyprel® 930 Acrylic PVC PVC Ceramic Polyprel® 930 Acrylic PVC Ceramic Polyprel® A33 PVC PVC Ceramic Polyprel® 939 Acrylic PVC Ceramic Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel®									I	Contro
Power Code X See Power Code Table Liquid End Head Fittings Balls Seat / O-Rings Molded FastPrime*** 832 PVDF PVDF Ceramic Polyprel® 833 PVDF PVDF Ceramic PTFE 838 PVC PVC Ceramic Polyprel® Machined FastPrime*** 935 PP PP Ceramic PTFE 937 316SS 316SS 316SS 316SS / PTFE 938 PVC PVC Ceramic Polyprel® 930 Acrylic PVC PTFE Polyprel® 930 Acrylic PVC Ceramic Polyprel® AutoPrime*** 4 A30 Acrylic PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® A					-	ol	al Contr	Manua		PD05
X See Power Code Table Liquid End Head Fittings Balls Seat / O-Rings Molded FastPrime™ 832 PVDF PVDF Ceramic Polyprel® 833 PVDF PVDF Ceramic PTFE 833 PVC PVC Ceramic PTFE 838 PVC PVC Ceramic POlyprel® Machined FastPrime™ 935 PP PP Ceramic PTFE 937 316SS 316SS 316SS 316SS 916SS / PTFE 938 PVC PVC Ceramic Polyprel® 939 Acrylic PVDF PTFE Polyprel® 930 Acrylic PVC Ceramic Polyprel® 930 Acrylic PVC Ceramic Polyprel® A38 PVC PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® S with 4 Function Valve H <td< td=""><td></td><td>Input</td><td>, and Tank Leve</td><td>mote Stop/Star</td><td>n Pulse Input, Re</td><td>ntrol with</td><td>iced Co</td><td>Enhan</td><td></td><td>PD75</td></td<>		Input	, and Tank Leve	mote Stop/Star	n Pulse Input, Re	ntrol with	iced Co	Enhan		PD75
Liquid End Head Fittings Balls Seat / O-Rings Molded FastPrime™ 832 PVDF PVDF Ceramic Polyprel® 833 PVDF PVDF Ceramic PTFE 838 PVC PVC Ceramic Polyprel® Machined FastPrime™ - - - PP 935 PP PP Ceramic PTFE 937 316SS 316SS 316SS 316SS / PTFE 938 PVC PVC Ceramic Polyprel® 939 Acrylic PVDF PTFE Polyprel® 930 Acrylic PVC Ceramic Polyprel® 930 Acrylic PVC Ceramic Polyprel® A38 PVC PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® S with 4 Function Valve H with 4 Function Valve N - A <									Powe	
Molded FastPrime™ 832 PVDF PVDF Ceramic Polyprel® 833 PVDF PVDF Ceramic PTFE 838 PVC PVC Ceramic Polyprel® Machined FastPrime™ - - - PP 935 PP PP Ceramic PTFE 937 316SS 316SS 316SS 316SS 938 PVC PVC Ceramic Polyprel® 939 Acrylic PVC Ceramic Polyprel® 930 Acrylic PVC Ceramic PTFE Polyprel® 930 Acrylic PVC Ceramic PTFE / Polyprel® A38 PVC PVC Ceramic PTFE / Polyprel® A33 Acrylic PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® S with 4 Function Valve H with 4 Function Valve N - A </td <td></td> <td></td> <td></td> <td></td> <td>)</td> <td>ode Table</td> <td></td> <td></td> <td>Х</td> <td> </td>)	ode Table			Х	
832 PVDF PVDF Ceramic Polyprel® 833 PVDF PVDF Ceramic PTFE 838 PVC PVC Ceramic Polyprel® Machined FastPrime™ - - - PTFE 935 PP PP Ceramic PTFE 937 316SS 316SS 316SS 316SS / PTFE 938 PVC PVC Ceramic Polyprel® 939 Acrylic PVC Ceramic Polyprel® 930 Acrylic PVC Ceramic Polyprel® 930 Acrylic PVC Ceramic Polyprel® A38 PVC PVC Ceramic Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® S with 4 Function Valve H with 4 Function Valve N - A - Image: Note the interview of the inter	RPM Kit	Seat / O-Rings	Balls	Fittings	Head		d End	Liquic		
833 PVDF PVDF Ceramic PTFE 838 PVC PVC Ceramic Polyprel® Machined FastPrime™ 935 PP PP Ceramic PTFE 937 316SS 316SS 316SS 316SS 316SS / PTFE 938 PVC PVC Ceramic Polyprel® 939 Acrylic PVDF PTFE Polyprel® 930 Acrylic PVC Ceramic Polyprel® 930 Acrylic PVC Ceramic Polyprel® A38 PVC PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® S with 4 Function Valve H with 4 Function Valve N - A - Connection Code Also sold as Also						Prime™	ed Fast	Molde		
838 PVC PVC Ceramic Polyprel® Machined FastPrime™ 935 PP PP Ceramic PTFE 937 316SS 316SS 316SS 316SS / PTFE 938 PVC PVC Ceramic Polyprel® 939 Acrylic PVDF PTFE Polyprel® 930 Acrylic PVC Ceramic Polyprel® 930 Acrylic PVC Ceramic Polyprel® 930 Acrylic PVC Ceramic Polyprel® A38 PVC PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® S with 4 Function Valve H with 4 Function Valve N - A - Image: Connection Code Also sold as Also sold as	RPM-832	Polyprel® F	Ceramic	PVDF	PVDF		32	8		
Machined FastPrime™ PP PP Ceramic PTFE 935 PP PP Ceramic PTFE 937 316SS 316SS 316SS 316SS / PTFE 938 PVC PVC Ceramic Polyprel® 939 Acrylic PVDF PTFE Polyprel® 930 Acrylic PVC Ceramic Polyprel® 930 Acrylic PVC Ceramic Polyprel® A38 PVC PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® S with 4 Function Valve H with 4 Function Valve N - A - Connection Code Also sold as Also	RPM-833	PTFE F	Ceramic	PVDF	PVDF		33	8		
935 PP PP Ceramic PTFE 937 316SS 316SS 316SS 316SS / PTFE 938 PVC PVC Ceramic Polyprel® 939 Acrylic PVDF PTFE Polyprel® 930 Acrylic PVC Ceramic Polyprel® 930 Acrylic PVC Ceramic Polyprel® A38 PVC PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® S with 4 Function Valve H with 4 Function Valve N - A - Connection Code Also sold as Also	RPM-832	Polyprel® F	Ceramic	PVC	PVC		38	8		
937 316SS 316SS 316SS 316SS / PTFE 938 PVC PVC Ceramic Polyprel® 939 Acrylic PVDF PTFE Polyprel® 930 Acrylic PVC Ceramic Polyprel® 930 Acrylic PVC Ceramic Polyprel® A38 PVC PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® S with 4 Function Valve H with 4 Function Valve N - A - Connection Code Also sold as Also					тм	astPrime™	ined Fa	Mach		
938 PVC PVC Ceramic Polyprel® 939 Acrylic PVDF PTFE Polyprel® 930 Acrylic PVC Ceramic Polyprel® 930 Acrylic PVC Ceramic Polyprel® A38 PVC PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® S with 4 Function Valve H with 4 Function Valve N - A - Connection Code Also sold as Also	RPM-833	PTFE F	Ceramic	PP	PP		35	9		
939 Acrylic PVDF PTFE Polyprel® 930 Acrylic PVC Ceramic Polyprel® AutoPrime™ A38 PVC PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® S with 4 Function Valve H with 4 Function Valve N - A - Connection Code Also sold as	RPM-937	316SS / PTFE F	316SS	316SS	316SS		37	9		
930 Acrylic PVC Ceramic Polyprel® AutoPrime™ - - Ceramic PTFE / Polyprel® A38 PVC PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® FastPrime Valve Code AutoPrime Valve Code S with 4 Function Valve H with 4 Function Valve N - A - A - Connection Code Also sold as Also Also	RPM-832	Polyprel® F	Ceramic	PVC	PVC		38	9		
AutoPrime™ A38 PVC PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® FastPrime Valve Code AutoPrime Valve Code S with 4 Function Valve H with 4 Function Valve N - A - Connection Code Also sold as	RPM-939	Polyprel® F	PTFE	PVDF	Acrylic		39	9		
A38 PVC PVC Ceramic PTFE / Polyprel® A30 Acrylic PVC Ceramic PTFE / Polyprel® FastPrime Valve Code AutoPrime Valve Code S with 4 Function Valve H with 4 Function Valve N - A - Connection Code Also sold as	RPM-832	Polyprel® F	Ceramic	PVC	Acrylic		30	9		
A30 Acrylic PVC Ceramic PTFE / Polyprel® FastPrime Valve Code AutoPrime Valve Code S with 4 Function Valve H with 4 Function Valve N - A - Connection Code Also sold as						I	rime™	AutoP		
FastPrime Valve Code AutoPrime Valve Code S with 4 Function Valve N - Connection Code Also sold as	RPM-A30A	PTFE / Polyprel® R	Ceramic	PVC	PVC		38	A		
S with 4 Function Valve H with 4 Function Valve N - A - Connection Code Also sold as	RPM-A30A							A		
N - A - Connection Code Also sold as		de	Prime Valve Co	Auto	alve Code	Prime Va	Fast			
Connection Code Also sold as		tion Valve	with 4 Fund	Н	Function Valve	with 4	S with 4			
			-	А		-	N			
l l Imperial 2		IS	Also sold a		ection Code					
			2		Imperial	Ι				
M Metric 3			3		Metric	М				
P Pipe (1/4" NPT, 316SS only) 0			0	T, 316SS only)	Pipe (1/4" NP	Р				
PD05 1 - 832 S I						1	S	- 832	1	PD05

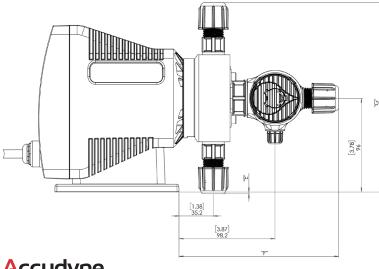
OUTPUT CODE 6 ______ 2.0 GPH (7.6 LPH); 70 psi (4.8 bar)

Drive E										
Contro)I									
PD06			al Contr	••						
PD76		Enhan	ced Co	ntrol with Pulse Inpu	t, Remote Stop/	Start, and Tank L	evel Input			
	Powe	r Code								
	Х			ode Table						
		Liquid	l End	Head	Fittings	Balls	Seat / O-Rings	RPM Kit		
		Molde	ed Fast	Prime™						
		84	42	PVDF	PVDF	Ceramic	Polyprel®	RPM-842		
		84	43	PVDF	PVDF	Ceramic	PTFE	RPM-843		
		84	48	PVC	PVC	Ceramic	Polyprel®	RPM-842		
		Machi	ined Fa	stPrime™						
		94	45	PP	PP	Ceramic	PTFE	RPM-843		
		94	47	316SS	316SS	316SS	316SS / PTFE	RPM-947		
		94	48	PVC	PVC	Ceramic	Polyprel®	RPM-842		
		94	49	Acrylic	PVDF	PTFE	Polyprel®	RPM-949		
		94	40	Acrylic	PVC	Ceramic	Polyprel®	RPM-842		
		AutoP	rime™							
		A	48	PVC	PVC	Ceramic	PTFE / Polyprel®	RPM-A40A		
		A	40	Acrylic	PVC	Ceramic	PTFE / Polyprel®	RPM-A40A		
			Fast	Prime Valve Code		AutoPrime Valv	me Valve Code			
			S	with 4 Function Va	lve	H with 4 I	Function Valve			
			Ν	-		A -				
				Connection Code	e	Also so	old as			
				l Imperial		2				
				M Metric		3				
				P Pipe (1/4	" NPT, 316SS or	nly) 0				
PD06	1	- 842	S							



	INCH	ММ	INCH	ММ	INCH	ММ	INCH	ММ
LE-7XXNX	1.20	30.5	1.13	28.8	0.34	8.6	7.84	199.2
LE-7XXNX	1.20	30.5	1.13	28.8	0.34	8.6	10.45	265.4
LE-8XXNX	1.20	30.5	1.13	28.8	0.01	0.3	8.17	207.5
LE-8XXSX	1.20	30.5	1.13	28.8	0.01	0.3	10.45	265.4
LE-90XNX, LE-92XNX, LE-93XNX	1.39	35.2	1.39	35.2	0.10	2.5	7.47	189.7
LE-90XSX, LE-92XSX, LE-93XSX	1.39	35.2	1.39	35.2	0.10	2.5	9.75	247.6
LE-94XNX	1.39	35.2	1.39	35.2	-0.07	-1.8	7.64	194
LE-94XSX	1.39	35.2	1.39	35.2	-0.07	-1.8	9.92	251.9

AUTOPRIME™ LIQUID END



LIQUID	"	"		"F"	"G"		
END MODEL	INCH	ММ	INCH	ММ	INCH	мм	
LE-A1XNX, LE-A2XNX, LE-A3XNX	-0.10	-2.5	4.15	105.4	7.46	189.6	
LE-A1XSX, LE-A2XSX, LE-A3XSX	-0.10	-2.5	6.43	163.3	7.46	189.6	
LE-A4XNX	0.07	1.8	4.15	105.4	7.63	193.8	
LE-A4XSX	0.07	1.8	6.43	163.3	7.63	193.8	

Performance Specifications

AutoPrime[™] Degassing Liquid Ends

	•			
	PSI	GPH	BAR	LPH
PDx4	250	0.20	17.0	0.76
	150	0.30	10.2	1.14
PDx5	110	0.75	7.5	2.84
FDAJ	50	0.85	3.4	3.22
PDx6	50	1.75	3.4	6.62
-	30	1.85	2.0	7.00

We are a proud member of Accudyne Industries, a leading global provider of precision-engineered, process-critical and technologically advanced flow control systems and industrial compressors. Delivering consistently high levels of performance, we enable customers in the most important industries and harshest environments around the world to accomplish their missions.

FastPrime is a trademark of Milton Roy, LLC AutoPrime is a trademark of Milton Roy, LLC StayPrime is a trademark of Milton Roy, LLC Polyprel is a registered trademark of Milton Roy, LLC Contact your local representative to find out more about Series PD Chemical Metering Pumps

www.lmipumps.com www.relyonLMI.com





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