PRIMEROYAL® Series
Metering Pump

Models PL and PLG

The PRIMEROYAL® PL and PRIMEROY® PLG metering pumps are versatile, reliable pumps that consistently and accurately inject chemicals. The pumps' field-proven design enables precise control of the pump delivery rate while meeting or exceeding industry standards for steady state accuracy and repeatability. They feature a compact, variable eccentric drive that changes the stroke length by changing the position of the center of the shaft in the eccentric. Models PL and PLG provide accurate dosing of a broad spectrum of fluids at flow rates that can reach up to 3,651 l/h (940.8 gph). The pumps have a modular design that accepts three types of liquid ends and offer capacity control options so they can meet the specific requirements of a large number of demanding industrial processes.

Applications

- Oil and Gas
  - Upstream – Injection of methanol at pressures of 1,034 bar (15,000 psi) and more at the wellhead for onshore and offshore wells
  - Midstream – Injection of corrosion inhibitors for produced oil and gas integrity during transportation
  - Downstream – Injection of chemicals for separation and treatment of refined products
  - Produced water treatment – Injection of sodium hypochlorite, biocides, scale inhibitors, oxygen reducing agent, etc.
- Chemical and Petrochemical Processing
  - Dosing catalysts for polymerization of polyethylene
- Power Generation
  - High-pressure boiler feed water treatment

Features and Benefits

- Compliant with API675 standards
- Minimized footprint
- Available in vertical or horizontal motor configurations
- Manual or electrical stroke length adjustment
- Capacity adjustable while running or stopped
- Packed plunger, Teflon® PTFE or metallic double diaphragm liquid ends available
- Conforms to ATEX CE EX II 2G/D c T3 with ATEX motors
- Multiplexable

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General Specifications

Accuracy	± 1% over a range of 10 to 100% nominal flowrate
Flow rate adjustment	Micrometric adjustment of stroke while running or stopped
Maximum stroke	50 mm (1.97 in)
Frequencies at 50 Hz 960 rpm	64 and 80 spm
Frequencies at 50 Hz 1,440 rpm	96,120, 149 and 180 spm
Frequencies at 60 Hz 1,140 rpm	77 and 96 spm
Frequencies at 60 Hz 1,725 rpm	115, 144, and 179 spm
Thrust	900 daN (2,023 lbf)
Ambient operating temperature	Standard: -10°C to 50°C (14°F to 122°F) Low temperature option: -40°C to 50°C (-40°F to 122°F)
API675	Conforms (exemptions available on request)
ATEX	Conforms to ATEX CE EX II 2G/D c T3 with ATEX motor ATEX for plastic liquid ends, please consult us For packed plunger liquid ends, in area 1 consult us
Suction	2 m (6.57 ft) water on M, H and P Liquid ends 2 m (6.57 ft) water on min. pumped flooded on MX liquid ends 4 m (13 ft) water on UT liquid ends 6 m (19.7 ft) water on N and NX liquid ends
Motor mounting	F165, F215, F265

Design Specifications

Model PL with Packed Plunger Type NX*

Flow rate		Pressure max. 50 Hz Motor (kW)						Freq. (spm) Motor Speed (rpm)		Flow rate		Pressure max. 60 Hz Motor (HP)					Freq. (spm) Motor Speed (rpm)		Connections ball valves
		0.75	1.1	1.5	2.2	3	4					1.1	1.5	2.2	3	4			
10 bar	Pres. Max.	J	K	L	M	P	Q	960	1,440	145 psi	Pres. Max.	J	K	L	M	P	1,140	1,725	
l/h		bar								gph		psi							
Ø 10 mm - Swept Volume: 3.93 cm³										**Ø 0.394 in - Swept Volume: 0.24 in³**									**3/8"**
13.6	8.2	500	780	1,000				64		4.3	2.6	7,252	11,313	14,504			77		(Ø 6.35 mm / 0.250 in - LD)
17.5	10.6	410	630	850	1,000			80		5.5	3.4	5,947	9,137	12,328	14,504		96		
21.7	13.1	340	520	730	1,000				96	6.9	4.2	4,931	7,541	10,588	14,504			115	
27.1	16.4	270	420	580	880	1,000			120	8.6	5.2	3,916	6,092	8,412	12,763	14,504		144	
33.7	20.4	215	335	470	710	1,000			149[1]	Not applicable with a 60 Hz motor									
Ø 16 mm - Swept Volume: 10.05 cm³										**Ø 0.625 in - Swept Volume: 0.61 in³**									**1/2"**
34.7	28.8	200	310	440				64		11.0	9.1	2,901	4,496	6,382			77		(Ø 9.52 mm / 0.375 in - LD)
44.9	37.2	160	245	340	440			80		14.2	11.8	2,321	3,553	4,931	6,382		96		
55.6	46.0	130	200	290	440				96	17.6	14.6	1,885	2,901	4,206	6,382			115	
69.5	57.5	100	160	220	340	440			120	22.0	18.2	1,450	2,321	3,191	4,931	6,382		144	
86.3	71.4	80	130	180	275	380	440		149[1]	Not applicable with a 60 Hz motor									

*This chart demonstrates the minimum and maximum flow rate and pressure of the pump. For other specifications, please consult your local representative.
*To have an ATEX certification in zone 1, please add probes = CONSULT
[1]Do not use with 60 Hz Motor
LD = Hardened valves - double valve

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Design Specifications

Model PL with Packed Plunger Type UT or N*

Flow rate		Pressure max. 50 Hz Motor (kW)						Freq. (spm) Motor Speed (rpm)		Flow rate		Pressure max. 60 Hz Motor (HP)					Freq. (spm) Motor Speed (rpm)		Connections ball valves
		0.75	1.1	1.5	2.2	3	4					1.1	1.5	2.2	3	4			
10 bar	Pres. Max.	J	K	L	M	P	Q	960	1,440	145 psi	Pres. Max.	J	K	L	M	P	1,140	1,725	
l/h		bar								gph		psi							
Liquid End N - Ø 19.1 mm - Swept Volume: 14.25 cm³										Liquid End N - Ø 0.75 in - Swept Volume: 0.87 in³									1/2"
52	45	138	215	302	309			64		16.5	14.3	2,002	3,118	4,380	4,482		77		(Ø 9.52 mm / 0.375 in - LD
65	57	109	171	241	309			80		20.6	18.1	1,581	2,480	3,495	4,482		96		
78	68	90	141	199	302	309			96	24.7	21.6	1,305	2,045	2,886	4,380	4,482		115	
98	86	71	112	158	240	309			120	31.1	27.3	1,030	1,624	2,292	3,481	4,482		144	
122	107	56	89	126	192	267	309		149[1]	Not applicable to a 60 Hz motor									
Liquid End UT - Ø 44.5 mm - Swept Volume: 77.59 cm³										Liquid End UT - Ø 1.75 in - Swept Volume: 4.73 in³									1"
286	280	23	38	54	55			64		90.7	88.8	334	551	783	798		77		(Ø 25 mm / 0.98 in - NS)
357	350	17	30	42	55			80		113.2	111.0	247	435	609	798		96		
426	421	13	24	35	54	55			96	135.0	133.5	189	348	508	783	798		115	
536	526	9	18	27	42	55			120	169.9	166.7	131	261	392	609	798		144	
665	653	6	13	21	33	47	55		149[1]	Not applicable to a 60 Hz motor									

* This chart demonstrates the minimum and maximum flow rate and pressure of the pump.
For other specifications, please consult your local representative.
*For methanol applications, please consult us.
*To have an ATEX certification in zone 1, please add probes = CONSULT

[1]Do not use with 60 Hz Motor
NS = Single valve
LD = Hardened valves - double valve

Design Specifications

Model PL with Packed Plunger Type UT*

Flow rate		Pressure max. 50 Hz Motor (kW)						Freq. (spm) Motor Speed (rpm)		Flow rate		Pressure max. 60 Hz Motor (HP)						Freq. (spm) Motor Speed (rpm)		Connections ball valves
		0.75	1.1	1.5	2.2	3	4					1.1	1.5	2.2	3	4	5.4			
10 bar	Pres. Max.	J	K	L	M	P	Q	960	1,440	145 psi	Pres. Max.	J	K	L	M	P	Q	1,140	1,725	
l/h		bar								gph		psi								
Ø 50.8 mm - Swept volume: 101.34 cm³										Ø 2 in - Swept volume: 6.18 in³										1"
373	368	16	28	41	41	41	41	64		118.2	116.7	232	406	595	595	595	595	77		(Ø 25 mm (0.98 in - NS)
466	460	12	22	32	41	41	41	80		147.7	145.8	174	319	464	595	595	595	96		
560	553	9	17	26	41	41	41		96	177.5	175.3	131	247	377	595	595	595		115	
700	691	5	12	20	32	41	41		120	221.9	219.1	73	174	290	464	595	595		144	
869	858	3	8	14	25	36	41		149[1]	Not applicable with a 60 Hz motor										
Ø 101.6 mm - Swept volume: 405.37 cm³										Ø 4 in - Swept volume: 24.74 in³										2"
	1,494			7	9			64			473.6			102	131			77		(Ø 40 mm (1.575 in - NS)
	1,867				9			80			591.9				131			96		
	2,241				7	9			96		710.4				102	131			115	
	2,802					8	9		120		888.3					116	131		144	
	3,480					5	9		149[1]	Not applicable with a 60 Hz motor										

* This chart demonstrates the minimum and maximum flow rate and pressure of the pump. For other specifications, please consult your local representative.
*For methanol applications, please consult us.
*To have an ATEX certification in zone 1, please add probes = CONSULT
[1]Do not use with 60 Hz Motor
NS=Single valve

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Design Specifications

Model PL with Metallic Double Diaphragm Liquid End Type MX*

Flow rate		Pressure max. 50 Hz Motor (kW)							Freq. (spm) Motor Speed (rpm)		Flow rate		Pressure max. 60 Hz Motor (HP)						Freq. (spm) Motor Speed (rpm)		Connections ball valves
		0.75	1.1	1.5	2.2	3	4	5.5					1.1	1.5	2.2	3	4	5.4			
10 bar	Pres. Max.	J	K	L	M	P	Q	T	960	1,440	145 psi	Pres. Max.	J	K	L	M	P	Q	1,140	1,725	
l/h		bar									gph		psi								
Ø 10 mm - Swept Volume: 3.6 cm³											Ø .394 in - Swept Volume: 0.22 in³										1”
13	6	481	742	1,034					64		4.1	1.9	6,976	10,762	14,997				77		Suction: 3/4” NPT f Discharge : 9/16” MP (Ø 6.35 mm / 0.250 in - LD)
16	7	385	593	832	1,034				80		5.1	2.2	5,584	8,601	12,067	14,997			96		
20	9	320	494	693	1,034					96	6.3	2.9	4,641	7,165	10,051	14,997				115	
25	11	256	395	554	833	1,034				120	7.9	3.5	3,713	5,729	8,035	12,082	14,997			144	
31	14	206	318	446	671	927	1,034			149	9.8	4.4	2,988	4,612	6,469	9,732	13,445	14,997		179	
37	17	171	263	369	555	767	1,032	1,034		180[1]	Not applicable with a 60 Hz motor										
Ø 13 mm - Swept Volume: 6.3 cm³											Ø .51 in - Swept Volume: 0.38 in³										2”
23	16	270	417	585	617				64		7.3	5.1	3,916	6,048	8,485	8,949			77		Suction: 1” NPT f Discharge: 3/4” MP (Ø 9.52 mm / 0.375 in - LD)
29	21	216	333	468	617				80		9.2	6.7	3,133	4,830	6,788	8,949			96		
35	25	180	278	390	585	617				96	11.1	7.9	2,611	4,032	5,656	8,485	8,949			115	
44	31	144	222	312	468	617				120	13.9	9.8	2,089	3,220	4,525	6,788	8,949			144	
54	39	116	179	251	377	521	617			149	17.1	12.4	1,682	2,596	3,640	5,468	7,556	8,949		179	
66	47	96	148	208	312	431	580	617		180[1]	Not applicable with a 60 Hz motor										

* This chart demonstrates the minimum and maximum flow rate and pressure of the pump. For other specifications, please consult your local representative.
[1]Do not use with 60 Hz Motor
Suction lift: 2 m (6.57 feet water) mini. pump flooded
LD = Hardened valves - double valve

Design Specifications

Model PL with Metallic Single Diaphragm Liquid End Type M*

Flow rate		Pressure max. 50 Hz Motor (kW)							Freq. (spm) Motor Speed (rpm)		Flow rate		Pressure max. 60 Hz Motor (HP)						Freq. (spm) Motor Speed (rpm)		Connections ball valves
		0.75	1.1	1.5	2.2	3	4	5.5					1.1	1.5	2.2	3	4	5.4			
10 bar	Pres. Max.	J	K	L	M	P	Q	T	960	1,440	145 psi	Pres. Max.	J	K	L	M	P	Q	1,140	1,725	
l/h		bar									gph		psi								
Ø 10 mm - Swept Volume: 3.92 cm³ -Diaphragm 112 mm											Ø 0.394 in - Swept Volume: 0.24 in³ - Diaphragm 4.41 in										1/2”
13	9	500							64		4.1	2.9	7,252						77		(Ø 6.35 mm / 0.250 in - LD)
17	12	419	500						80		5.4	3.8	6,077	7,252					96		
20	14	349	500							96	6.3	4.4	5,062	7,252						115	
26	18	279	428	500						120	8.2	5.7	4,047	6,208	7,252					144	
32	22	225	344	481	500					149	10.1	7.0	3,263	4,989	6,976	7,252				179	
39	27	186	285	398	500					180[1 2]	Not applicable with a 60 Hz motor										
Ø 25 mm - Swept Volume: 24.5 cm³ - Diaphragm: 212 mm											Ø 0.98 in - Swept Volume: 1.50 in³ - Diaphragm: 8.3 in										1”
86	77	81	126	176	183				64		27.3	24.4	1,175	1,827	2,553	2,654			77		(Ø 15.9 mm / 0.625 in - LD)
107	97	65	101	142	183				80		33.9	30.7	943	1,465	2,060	2,654			96		
129	117	54	84	118	183					96	40.9	37.1	783	1,218	1,711	2,654				115	
161	146	43	68	95	141	183				120	51.0	46.3	624	986	1,378	2,045	2,654			144	
200	182	35	54	75	113	157	183			149	63.4	57.7	508	783	1,088	1,639	2,277	2,654		179	
242	220	29	45	63	94	131	176	183		180[1 2]	Not applicable with a 60 Hz motor										

* This chart demonstrates the minimum and maximum flow rate and pressure of the pump. For other specifications, please consult your local representative.
[1]Do not use with 60 Hz Motor
[2]Use with “flooded suction” (.5 bar / 7psi)
LD = Hardened valves - double valve

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Design Specifications

Model PL with Metallic Double Diaphragm Liquid End Type M*

Flow rate		Pressure max. 50 Hz Motor (kW)							Freq. (spm) Motor Speed (rpm)		Flow rate		Pressure max. 60 Hz Motor (HP)						Freq. (spm) Motor Speed (rpm)		Connections ball valves
		0.75	1.1	1.5	2.2	3	4	5.5					1.1	1.5	2.2	3	4	5.4			
10 bar	Pres. Max.	J	K	L	M	P	Q	T	960	1,440	145 psi	Pres. Max.	J	K	L	M	P	Q	1,140	1,725	
l/h		bar									gph		psi								
Ø 10 mm - Swept Volume: 3.92 cm³ -Diaphragm 112 mm											Ø 0.394 in- Swept Volume: 0.24 in³ - Diaphragm 4.41 in										1/2"
13	8	350							64		4.1	2.5	5,076						77		(Ø 6.35 mm / 0.250 in - LD)
17	11	350							80		5.4	3.5	5,076						96		
20	13	349	350							96	6.3	4.1	5,062	5,076						115	
26	17	279	350							120	8.2	5.4	4,047	5,076						144	
32	21	225	344	350						149	10.1	6.7	3,263	4,989	5,076					179	
39	25	186	285	350						180[1,2]	Not applicable with a 60 Hz motor										
Ø 25 mm - Swept Volume: 24.5 cm³ - Diaphragm: 212 mm											Ø 0.98 in - Swept Volume: 1.50 in³ - Diaphragm: 8.3 inch										1"
86	71	81	126	176	183				64		27.3	22.5	1,175	1,827	2,553	2,654			77		(Ø 15.9 mm / 0.625 in - LD)
107	90	65	101	142	183				80		33.9	28.5	943	1,465	2,060	2,654			96		
129	108	54	84	118	183					96	40.9	34.2	783	1,218	1,711	2,654				115	
161	135	43	68	95	141	183				120	51.0	42.8	624	986	1,378	2,045	2,654			144	
200	168	35	54	75	113	157	183			149	63.4	53.3	508	783	1,088	1,639	2,277	2,654		179	
242	203	29	45	63	94	131	176	183		180[1,2]	Not applicable with a 60 Hz motor										

* This chart demonstrates the minimum and maximum flow rate and pressure of the pump. For other specifications, please consult your local representative.
[1]Do not use with 60 Hz Motor
[2]Use with "flooded suction" (.5 bar / 7psi)
LD = Hardened valves - double valve

Design Specifications

Model PL with HPD Diaphragm Liquid End: Metallic Type H*

Flow rate		Pressure max. 50 Hz Motor (kW)							Freq. (spm) Motor Speed (rpm)		Flow rate		Pressure max. 60 Hz Motor (HP)						Freq. (spm) Motor Speed (rpm)		Connections ball valves
		0.75	1.1	1.5	2.2	3	4	5.5					1.1	1.5	2.2	3	4	5.4			
10 bar	Pres. Max.	J	K	L	M	P	Q	T	960	1,440	145 psi	Pres. Max.	J	K	L	M	P	Q	1,140	1,725	
l/h		bar									gph		psi								
Ø 20 mm - Swept Volume: 15.70 cm³ -Diaphragm: 106 mm											Ø 0.79 in - Swept Volume: 0.96 in³ -Diaphragm: 4.2 in										1/2"
57	34	131	200	280	286				64		18.1	10.8	1900	2901	4061	4,148			77		P ≤ 1392 psi (96 bar) (Ø 9.52 mm / 0.37 in - ND) P> 1,392 psi (96 bar) (Ø 9.52 mm / 0.37 in- LD)
71	43	104	160	224	286				80		22.5	13.6	1508	2321	3249	4,148			96		
85	52	87	133	186	279	286				96	26.9	16.5	1262	1929	2698	4,047	4,148			115	
107	65	69	107	149	223	286				120	33.9	20.6	1001	1552	2161	3,234	4,148			144	
133	81	56	86	120	179	248	286			149[1]	Not applicable with a 60 hz motor										
Ø 115 mm - Swept Volume: 519.34 cm³ - Diaphragm: 266 mm											Ø 4.53 in - Swept Volume: 31.69 in³ - Diaphragm: 10.5 in										1" 1/2
	1,894			5	8				64			600.4			73	116			77 3		Ø 40 mm / 1.57 in - NS
	2,368				7	8			80			750.7				102	116		96		
	2,841				5	8				96		900.6				73	116			115	
	3,552					6	8			120		1126.0					87	116		144	
	4,410						7	8		149[1]	Not applicable with a 60 hz motor										Ø 50 mm/2 in - NS[2]

* This chart demonstrates the minimum and maximum flow rate and pressure of the pump.
For other specifications, please consult your local representative.
[1]Do not use with 60 Hz Motor
[2]Flat valves

NS = Single valve
ND = Double valve
LD = Hardened double valve

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Design Specifications

Model PL with HPD Diaphragm Liquid End: Metallic Type P*

Flow rate	Pressure max. 50 Hz Motor (kW)				Freq. (spm) Motor Speed (rpm)		Flow rate	Pressure max. 60 Hz Motor (HP)				Freq. (spm) Motor Speed (rpm)		Connections ball valves
	1.5	2.2	3	4				2	3	4	5.4			
Pres. Max.	L	M	P	Q	960	1,440	Pres. Max.	L	M	P	Q	1,140	1,725	
l/h	bar						gph	psi						
Ø 115 mm -Swept volume: 519.34 cm3 - Diaphragm: 266 mm							Ø 4.53 in -Swept volume: 31.69 in3 - Diaphragm: 10.5 inch							1" 1/2
1,899	5	8			64		602.0	73	116			77		(Ø 40 mm / 1.57 in -NS)
2,374		7	8		80		752.6		102	116		96		
2,848		5	8			96	902.8		73	116			115	
3,561			0	8		120[1]	Not applicable with a 60 Hz motor							

* This chart demonstrates the minimum and maximum flow rate and pressure of the pump. For other specifications, please consult your local representative.

[1]Do not use with 60 Hz Motor
NS = Single valve

Design Specifications

Model PLG with GSD Diaphragm Liquid End: Metallic Type H*

Flow rate		Pressure max. 50 Hz Motor (kW)						Freq. (spm) Motor Speed (rpm)		Flow rate		Pressure max. 60 Hz Motor (HP)						Freq. (spm) Motor Speed (rpm)		Connections ball valves
		0.75	1.1	1.5	2.2	3	4					1	1.5	2	3	4	5.4			
10 bar	Pres. Max.	J	K	L	M	P	Q	960	1,440	145 psi	Pres. Max.	J	K	L	M	P	Q	1,140	1,725	
l/h		bar								gph		psi								
Ø 40 mm - Swept Volume: 62.83 cm³ - Diaphragm 145 mm										Ø 1.57 in - Swept Volume: 3.83 in³ - Diaphragm: 5.7 in										1/2"
217	194	32	45					64		69	61	464	653					77		(Ø 15.9 mm / 0.625 in - NS)
271	243	26	40	45				80		86	77	377	580	653				96		
326	292	21	33	45					96	103	93	305	479	653					115	
407	364	16	26	37	45				120	129	115	232	377	537	653				144	1/2"
506	452	12	20	30	44	45			149[1]	Not applicable with a 60 Hz motor										(Ø 25 mm / 0.98 in - NS)
Ø 100 mm - Swept Volume: 392.69 cm³ - Diaphragm 225 mm										Ø 3.94 in - Swept Volume: 23.96 in³ - Diaphragm: 8.86 in										2"
	1,417		5	8	11			64			449		73	116	160			77		(Ø 40 mm / 1.575 in - NS)
	1,771			6	11			80			561			87	160			96		
	2,126				8	11			96		674				116	160			115	
	2,657				6	10	11		120		842				87	145	160		144	(Ø 40 mm / 1.57 in - NS) (Flat valves)
	3,300					7	11		149[1]	Not applicable with a 60 Hz motor										

* This chart demonstrates the minimum and maximum flow rate and pressure of the pump. For other specifications, please consult your local representative.

[1]Do not use with 60 Hz Motor
NS = Single valve

Design Specifications

Model PLG with GSD Diaphragm Liquid End: Metallic Type P*

Flow rate		Pressure max. 50 Hz Motor (kW)					Freq. (spm) Motor Speed (rpm)		Flow rate		Pressure max. 60 Hz Motor (HP)					Freq. (spm) Motor Speed (rpm)		Connections ball valves
		0.75	1.1	1.5	2.2	3					1	1.5	2	3	4			
10 bar	Pres. Max.	J	K	L	M	P	960	1,440	145 psi	Pres. Max.	J	K	L	M	P	1,140	1,725	
l/h		bar							gph		psi							
Ø 50 mm - Swept Volume: 98.17 cm³ - Diaphragm 145 mm									Ø 1.97 in - Swept Volume: 5.99 in³ - Diaphragm: 5.7 in									1/2"
347	347	10					64		110.0	110.0	145					77		(Ø 25 mm / 0.98 in -NS)
434	434	10					80		137.6	137.6	145					96		
520	520	10						96	164.8	164.8	145						115	
650	650	8	10					120	206.1	206.1	116	145					144	
807	807	6	10					149[1]	Not applicable with a 60 Hz motor									
Ø 100 mm- Swept Volume: 392.69 cm³ - Diaphragm 225 mm									Ø 3.94 in - Swept Volume: 23.94 in³ - Diaphragm: 8.86 in									1" 1/2
1,417	1,417		5	8	10		64		449.2	449.2		73	116	145		77		(Ø 40 mm / 1.575 in - NS)
1,771	1,771			6	10		80		561.4	561.4			87	145		96		
2,126	2,126				8	10		96	674.0	674.0				116	145		115	
2,657	2,657				6	10		120[1]	Not applicable with a 60 Hz motor									

* This chart demonstrates the minimum and maximum flow rate and pressure of the pump. For other specifications, please consult your local representative.

[1]Do not use with 60 Hz Motor
NS=Single valve

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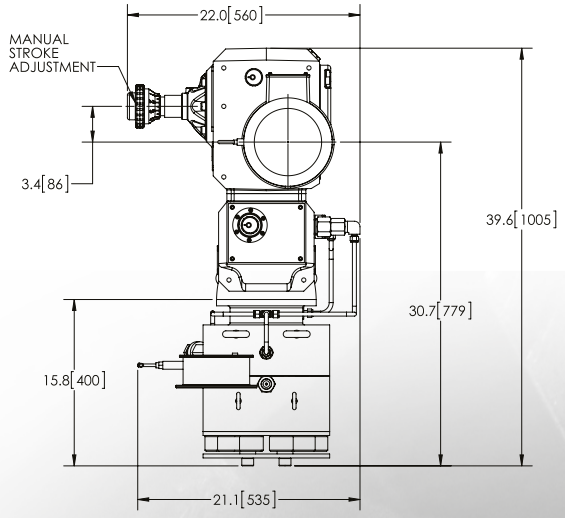
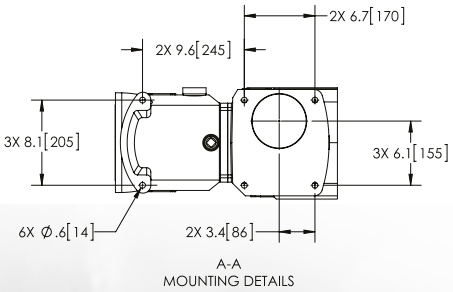
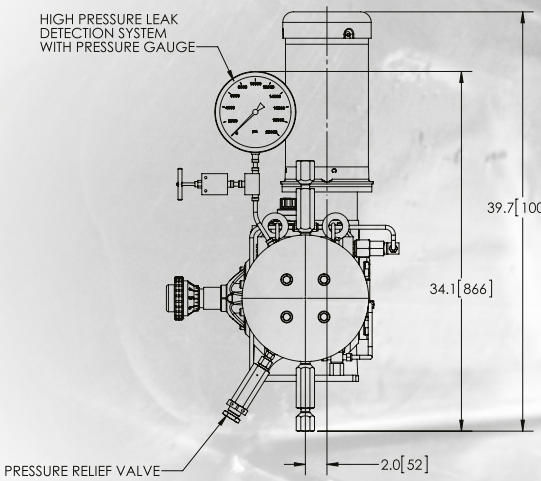
MILTON ROY®
an Accudyne Industries brand

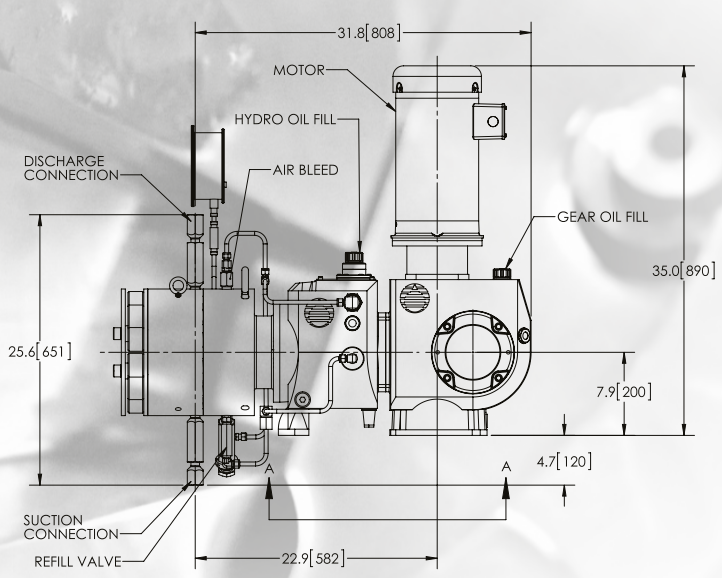
Dimensions

Primeroyal L with Liquid End Type MX









Weight and Packing

Version	Net weight (*)		Gross weight (*)		Packing (**)	
	lbs	kg	lbs	kg	(L x W x H) in	(L x W x H) mm
PL series						
Simplex	1,213	550	1,797	815	46.5 x 26.8 x 53	1181.1 x 680.7 x 1346.2
PLG series						
Simplex	1,069	485	1,508	684	43.3 x 26.8 x 53	1099.8 x 680.7 x 1346.2

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