



**\*PULSAFEEDER\***  
**PULSAtron®**

## Adjustable Diaphragm Pumps

- Self-priming
- Max. viscosity: 1000cP
- 115V

Adjustable single-head metering pumps have a double-ball check valve and leak-free sealless liquid end. Powered by a high-quality fin-cooled solenoid. Wetted parts: PTFE-faced CSPE diaphragm, ABS body, ceramic ball, PTFE seals and O-rings, and PVC/polyethylene tubing. Each includes foot valve/strainer assembly, backpressure injection valve assembly, 4-ft. suction tubing, 8-ft. discharge tubing, and 4-ft. bleed valve tubing. Models with PVDF construction are NSF 61 compliant.

**A Plus Series**—Allow you to adjust the stroke length and stroke rate. Pumps are internally dampened to reduce noise and are water-resistant for outdoor use.

**C Series**—Manual control lets you adjust the stroke length. Models are internally dampened to help reduce noise.

**E Plus Series**—Feature Off/Manual selector switch, indicator lights, and built in circuit protection.

**MP Series**—Pumps have automatic control, fully scalable 4-20mADC, 20-4mADC, or external pacing. Relay output and stop input. 16-character LCD is programmable in 4 languages.

Note: Tubing is 3/8" O.D. for Max. Flow to 44 gpd, 1/2" O.D. for Max. Flow 96 gpd and higher.

**Replacement 5-Function Valves**—Easy-to-install, corrosion-resistant valves have a chemical-resistant wetted end, with recessed screws.

Max. Flow Rate	Max. Pressure	Reproducibility	Head and Fitting Material	Mfr. Model	PUMPS Item No.	REPAIR KITS Item No.
<b>A Plus Series, 100:1 Turndown Ratio</b>						
6.00 gpd	150 psi	+/-3.0%	GFPPL	LB02SA-PTCJ-G19	4UP25	4UP12
6.00 gpd	150 psi	+/-3.0%	PVDF	LB02SA-KTCJ-G19	6KY66	23LY06
12.00 gpd	150 psi	+/-3.0%	GFPPL	LB03SA-PTC1-G19	4UP26	4UP13
12.00 gpd	150 psi	+/-3.0%	PVDF	LB03SA-KTC1-G19	6KY67	6KYH5
24.00 gpd	100 psi	+/-3.0%	GFPPL	LB04SA-PTC1-G19	20LX58	4UP14
24.00 gpd	100 psi	+/-3.0%	PVDF	LB04SA-KTC1-G19	20LX59	6KYH6
30.00 gpd	100 psi	+/-3.0%	GFPPL	LB64SA-PTC1-G19	4UP27	4UP14
30.00 gpd	100 psi	+/-3.0%	PVDF	LB64SA-KTC1-G19	6KY68	6KYH6
58.00 gpd	100 psi	+/-3.0%	GFPPL	LBS4SA-PTC1-G19	20LX56	4UP14
58.00 gpd	100 psi	+/-3.0%	PVDF	LBS4SA-KTC1-G19	20LX57	6KYH6
<b>C Series, 10:1 Turndown Ratio</b>						
6.00 gpd	80 psi	+/-3.0%	GFPPL	LC02SA-PTCJ-G19	20LX67	4UP12
12.00 gpd	80 psi	+/-3.0%	GFPPL	LC03SA-PTC1-G19	20LX68	4UP13
24.00 gpd	80 psi	+/-3.0%	GFPPL	LC04SA-PTC1-G19	20LX69	4UP14
30.00 gpd	80 psi	+/-3.0%	GFPPL	LC54SA-PTC1-G19	20LX70	4UP14
<b>E Plus Series, 100:1 Turndown Ratio</b>						
5.00 gpd	250 psi	+/-2.0%	GFPPL	LPB2SA-PTCJ-G19	20LX60	4UP12
5.00 gpd	250 psi	+/-2.0%	PVDF	LPB2SA-KTCJ-G19	20LX61	23LY06
12.00 gpd	150 psi	+/-2.0%	GFPPL	LPB3SA-PTC1-G19	20LX62	4UP13
12.00 gpd	150 psi	+/-2.0%	PVDF	LPB3SA-KTC1-G19	20LX63	6KYH5
24.00 gpd	100 psi	+/-2.0%	GFPPL	LPB4SA-PTC1-G19	20LX64	4UP14
24.00 gpd	100 psi	+/-2.0%	PVDF	LPB4SA-KTC1-G19	20LX65	6KYH6
41.00 gpd	250 psi	+/-2.0%	GFPPL	LPB4SA-PTC1-G19	4UP30	4UP14
41.00 gpd	250 psi	+/-2.0%	PVDF	LPB4SA-KTC1-G19	6KYH1	6KYH6
44.00 gpd	100 psi	+/-2.0%	GFPPL	LPE4SA-PTC1-G19	4UP28	4UP14
44.00 gpd	100 psi	+/-2.0%	PVDF	LPE4SA-KTC1-G19	6KYG9	6KYH6
96.00 gpd	100 psi	+/-2.0%	GFPPL	LPG5SA-PTC3-G19	4UP29	4UP15
96.00 gpd	100 psi	+/-2.0%	PVDF	LPG5SA-KTC3-G19	6KYH0	23LY66
120.00 gpd	100 psi	+/-2.0%	GFPPL	LPH6SA-PTC3-G19	4UP31	4UP16
120.00 gpd	100 psi	+/-2.0%	PVDF	LPH6SA-KTC3-G19	6KYH2	6KYH8
240.00 gpd	35 psi	+/-2.0%	GFPPL	LPH7SA-PTC3-G19	4UP32	4UP17
240.00 gpd	35 psi	+/-2.0%	PVDF	LPH7SA-KTC3-G19	6KYH3	23LY96
600.00 gpd	30 psi	+/-2.0%	GFPPL	LPB8SA-PTC8-G19	20LX66	42EU79
<b>MP Series, 1000:1 Turndown Ratio</b>						
5.00 gpd	250 psi	+/-2.0%	GFPPL	LMB2TA-PTCJ-G19	20LX71	4UP12
12.00 gpd	150 psi	+/-2.0%	GFPPL	LMB3TA-PTC1-G19	20LX72	4UP13
24.00 gpd	100 psi	+/-2.0%	GFPPL	LMB4TA-PTC1-G19	20LX73	4UP14
41.00 gpd	250 psi	+/-2.0%	GFPPL	LMH4TA-PTC1-G19	20LX74	4UP14
44.00 gpd	100 psi	+/-2.0%	GFPPL	LMH4TA-PTC1-G19	20LX75	4UP14
96.00 gpd	100 psi	+/-2.0%	GFPPL	LMH5TA-PTC3-G19	20LX76	4UP15
120.00 gpd	100 psi	+/-2.0%	GFPPL	LMH6TA-PTC3-G19	20LX77	4UP16
240.00 gpd	35 psi	+/-2.0%	GFPPL	LMH7TA-PTC3-G19	20LX78	4UP17
504.00 gpd	20 psi	+/-2.0%	GFPPL	LMH8TA-PTC8-G19	20LX79	42EU79

Tubing Connec. (in.)	Item No.
3/8 in	4UP22
1/2 in	4UP23

to piped systems. Replacement tube assemblies are available on Grainger.com. ETL Listed to U.S., Canadian, and CE standards. NSF 61 Approved.

**Adjustable-Rate**—A timing circuit is adjustable in 1% increments from 5% to 100% of rated flow for a 20:1 turndown ratio. No mechanical adjustment components to wear out.

**Variable-Speed**—Microprocessor control with LCD allows manual or automatic output adjustment with a 4-20mA signal. 100:1 turndown ratio.

Max. Flow Rate	Max. Pressure	Mfr. Model	Item No.
<b>Adjustable Rate</b>			
7.00 gpd	125 psi	XP007LAHXG19	3HHF1
9.00 gpd	110 psi	XP009LAHXG19	3HHF2
15.00 gpd	110 psi	XP015LAHXG19	3HHF3
30.00 gpd	80 psi	XP030LAHXG19	3HHF4
<b>Fixed Rate</b>			
7.00 gpd	125 psi	XP007LFHXG19	3HHF5
9.00 gpd	110 psi	XP009LFHXG19	3HHF6
15.00 gpd	110 psi	XP015LFHXG19	3HHF7
30.00 gpd	80 psi	XP030LFHXG19	3HHF8
<b>Variable-Speed</b>			
8.00 gpd	125 psi	XP008LVHXG19	4RZK1
17.00 gpd	110 psi	XP017LVHXG19	4RZK2
33.00 gpd	100 psi	XP033LVHXG19	4RZK3
55.00 gpd	80 psi	XP055LVHXG19	4RZK4
100.00 gpd	25 psi	XP100LVXG19	4RZK5

**\*PULSAFEEDER\***  
**CHEM-TECH**

## Adjustable- and Fixed-Rate Peristaltic Metering Pumps

- Self-priming to 24 ft.
  - 115VAC
- Have chemical-resistant Norprene tubing and PVC fittings for flow up to 300cP, even with outgassing (offgassing) liquids. Rugged ABS enclosure, control cover, and rain shield that allows for horizontal/vertical mounting. PVC head assembly has toolless design, and a jog mode for tubing changes. Include suction strainer, 15 ft. of 1/4" PE suction and discharge tubing, injection quill with 7 psi backpressure, and extra pump tube. 1/4" MNPT PVC fitting eases connection



**\*PULSAFEEDER\***

## Multipurpose Peristaltic Metering Pumps

- Self-priming to 15 ft.
- 120VAC

Nonclogging, adjustable output, valveless pumps are chemical- and corrosion-resistant and for use with off-gassing chemicals such as hydrogen peroxide and chlorine. Compatible with liquid chlorine, weak acids, detergents, polymers, and wetting agents. Polycarbonate head, Norprene peristaltic tubing,

PVC injection fitting, polypropylene strainer with weight, and 15-ft. polyethylene tubing. Max. viscosity: 300cP.

**VSP Series, Variable Speed**—Adjust output via an internal knob that varies the motor speed. Adjustable from 13 to 100% of rated capacity. 8:1 turndown ratio.

**Dolphin Series, 10-Min. Cycle Time**—Adjust output via a solid state current interrupter that cycles power On and Off. Adjustable from 10 to 100% of rated capacity. 10:1 turndown ratio.

**Replacement Tubes**—Include 9 in L Norprene tubing (diameter varies).

Max. Flow Rate	Max. Pressure	Mfr. Model	Item No.
<b>VSP Series—Variable Speed</b>			
12.00 gpd	25 psi	UVSP12XRLLAUG19	20LX55
20.00 gpd	25 psi	UVSP20XRLLAUG19	2P304
<b>Dolphin Series—10 Min. Cycle Time</b>			
13.00 gpd	100 psi	UD10-XA-LSAUG19	20LX53
60.00 gpd	25 psi	UD50-XA-LSAUG19	2P305
97.00 gpd	25 psi	UD75-XA-LSAUG19	20LX54
<b>Replacement Tubes</b>			
For 2P304	—	7013397	1R422

**\*PULSAFEEDER\***  
**CHEM-TECH**

## Chemical Metering Pumps

- Self-priming to 4 ft.
- 115VAC

Compact, chemical-resistant pumps provide dependable metering performance. Degassing models have a degassing valve for use in off-gassing chemicals. All models have a sealed gearbox and eccentric cam for reliable dosing, easy flow rate control and turn-down. Motorized-diaphragm

technology provides long life even with continuous-duty cycles. 10:1 turndown ratio.

PVC/polyethylene tubing with CSPE diaphragm, seals, and O-rings, except degassing models are hypalon. Max. viscosity: 300 cps, except 20 cps for degassing models. Include injection back pressure valve, bleed valve, foot valve strainer with weight, and tubing. ETL Listed.

Max. Flow Rate	Max. Pressure	Mfr. Model	Item No.
<b>Adjustable Output Via Stroke Length</b>			
3.00 gpd	—	X003-XA-AAAAAG19	33M860
7.00 gpd	—	X007-XA-AAAAAG19	33M886
15.00 gpd	100 psi	X015-XA-AAAAAG19	33M859
24.00 gpd	—	X024-XA-AAAAAG19	49AV26
30.00 gpd	—	X030-XA-AAAAAG19	33M861
<b>Degassing</b>			
15.00 gpd	100 psi	X015-XA-BAAAG19	1AKE8
30.00 gpd	—	X030-XA-BAAAG19	2YE50

