



Dayton



Peristaltic Chemical Metering Pumps

- Max. pressure: 125 psi
- Self-priming to 30 ft.

Durable, cast-aluminum pumps can handle abrasive slurries and aggressive chemicals in most metering, dosing, and transfer applications. No moving parts come into contact with the chemical being metered. Feature stainless steel rollers supported by sealed ball bearings that compress the hose in a more efficient design than frictional shoe-type pumps. Models are positive displacement-style that require no valves to operate and have a stainless steel drive shaft, foot bracket, hardware, and hose fittings for long life. The

premium, heat-treated and ground hypoid gearing provides greater efficiency and more reliable performance. The gear motor includes a hollow shaft that allows you to remove the roller assembly if required. Pumps are reversible and can be used to clear blocked lines. Include shim kit and hose lubricant. Hardwired installation required. 3-phase pumps do not have overload protection, which must be provided by a starter unit sold separately, see page 160. UL and C-UL Listed, CE Certified.

WARNING: Use only with nonflammable liquids compatible with pump component materials and in nonflammable/nonexplosive atmospheres.

	Flow Rate	Tubing Material	Pump RPM	115V, 1 Phase Item No.	115/230V, 1 Phase Item No.	230V, 3 Phase Item No.	230/460V, 3 Phase Item No.
Pumps							
0.16 gpm/0.60Lpm			17 RPM	45YR05	45YR26	45YR47	45YR68
0.20 gpm/0.80Lpm			21 RPM	45YR04	45YR25	45YR46	45YR67
0.27 gpm/1.00Lpm			28 RPM	45YR03	45YR24	45YR45	45YR66
0.32 gpm/1.20Lpm		EPDM	34 RPM	45YR02	45YR23	45YR44	45YR65
0.40 gpm/1.50Lpm			42 RPM	45YR01	45YR22	45YR43	45YR64
0.53 gpm/2.00Lpm			56 RPM	45YP99	45YR21	45YR42	45YR63
0.80 gpm/3.00Lpm			84 RPM	45YP98	45YR20	45YR41	45YR62
0.16 gpm/0.60Lpm			17 RPM	45YP97	45YR19	45YR40	45YR61
0.20 gpm/0.80Lpm			21 RPM	45YP96	45YR18	45YR39	45YR60
0.27 gpm/1.00Lpm			28 RPM	45YP95	45YR17	45YR38	45YR59
0.32 gpm/1.20Lpm		Nitrile	34 RPM	45YP94	45YR16	45YR37	45YR58
0.40 gpm/1.50Lpm			42 RPM	45YP93	45YR15	45YR36	45YR57
0.53 gpm/2.00Lpm			56 RPM	45YP92	45YR14	45YR35	45YR56
0.80 gpm/3.00Lpm			84 RPM	45YP91	45YR13	45YR34	45YR55

Flow Rate	Tubing Material	Pump RPM	115V, 1 Phase Item No.	115/230V, 1 Phase Item No.	230V, 3 Phase Item No.	230/460V, 3 Phase Item No.
0.16 gpm/0.60Lpm		17 RPM	45YP90	45YR12	45YR33	45YR54
0.20 gpm/0.80Lpm		21 RPM	45YP89	45YR11	45YR32	45YR53
0.27 gpm/1.00Lpm		28 RPM	45YP88	45YR10	45YR31	45YR52
0.32 gpm/1.20Lpm	Rubber	34 RPM	45YP87	45YR09	45YR30	45YR51
0.40 gpm/1.50Lpm		42 RPM	45YP86	45YR08	45YR29	45YR50
0.53 gpm/2.00Lpm		56 RPM	45YP85	45YR07	45YR28	45YR49
0.80 gpm/3.00Lpm		84 RPM	45YP84	45YR06	45YR27	45YR48

Description	Includes	Material of Construc.	Item No.
Accessories			
Hose	(2) Hose Clamps	Natural Rubber	45YP79
Hose	(2) Hose Clamps	Buna Nitrile	45YP80
Hose	(2) Hose Clamps	EPDM	45YP81
Lubricant, 0.25 gal. Gal.	—	Glycerin	45YP82
Shim Kit	—	Stainless Steel	45YP83

Plastic-Body Permanent Magnet Circulator Pumps



- 1-phase
- 60/50 Hz, continuous-duty motor

Small footprint and lightweight construction allow easy installation for water circulation and liquid transfer. Semiopen impeller. Ceramic bearing system. Each includes a 4-ft. power cord.

NORYL

Have a shaftless, sealless electronically commutated motor (ECM).

Energy-efficient ECM/permanent magnet technology saves up to 68% on electricity. Noryl impeller. 5JKG2 and 5JKG6 max. working pressure: 50 psi; 100-240V. 5JKF8 max. working pressure: 29 psi; 115V.

NORYL/ALUMINUM

Pump motor has a stainless steel shaft and screw, with EPDM O-ring seal. Nylon and 316 stainless steel impeller. Max. working pressure: 29 psi; 115V.



38L996

HP	Amps	Inlet	Outlet	GPM of Water @ Total Ft. of Head+				Max. Head	L	W	Max. Liquid Temp.	Item No.
				5	10	15	20					
Noryl												
1/25	0.24	3/4 HB	3/4 in HB	2	—	—	—	13 ft	6 in	3 in	140 °F	5JKG2
1/25	0.40	3/4 in HB	3/4 in HB	—	5.8	—	—	14 ft	6 in	3 in	140 °F	5JKG6
1/25	0.6	3/4 HB	3/4 in HB	10.1	7.3	4.6	1.8	22 1/2 ft	6 in	4 9/16 in	140 °F	5JKF8
Noryl/Aluminum												
1/25	0.52	3/4 in HB	3/4 in HB	10.5	8.2	5	—	18 1/2 ft	6 in	4 9/16 in	140 °F	38L995
1/25	0.56	3/4 in T	3/4 in T	10	8	5.5	—	18 1/2 ft	6 in	4 9/16 in	140 °F	38L996

+ To convert to psi, divide total feet of head by 2.31.



Centrifugal and Positive Displacement Pumps

Dayton, Centrifugal—Pumps are suitable for use in liquid transfer and irrigation. They have semiopen impellers and are not self-priming, except 5PXX5 is self-priming up to 4.5 ft.

Ports for 5PXX8 to 5PXX1 and 5PXX4 can be rotated in 180° increments, 5PXX5 in 90° increments. 5PXX3 has a totally enclosed fan-cooled (TEFC), capacitor-start induction motor.

- Intermittent duty, except No. 5PXX3 is continuous
- 1/2 HP

Meziere, Centrifugal and Positive Displacement—Centrifugal models are suitable for use with 50% water/glycol mix. Designed to provide high flow at low head pressure. Brush motor is housed in open dripproof (ODP) enclosure. 21C949 Positive Displacement Pump has a preset pressure relief valve, steel gerotor, and double-lip seal. Suitable for use with Dexron II or equivalent oil.

- Continuous duty
- 3/16 HP, except 21C952 is 1/2 HP



5PXX0

Voltage	Inlet	GPM of Water @ 0 ft. of Head	Max. Head	Max. Liquid Temp.	L	H	Impeller Material	Seal Material	Housing Material	Mfr. Model	Item No.
Dayton, Centrifugal											
12V DC	3/4 in NPT	13	17 ft	180 °F	7 1/2 in	3 3/4 in	Brass	Carbon/Ceramic, Stainless Steel, Viton	Brass	5PXX4	5PXX4
	3/4 in NPT	19	14 ft	180 °F	9 3/8 in	5 in	Brass	Carbon/Ceramic, Stainless Steel, Viton	Brass	5PXX5	5PXX5
	3/4 in NPT	13	17 ft	180 °F	7 1/2 in	3 3/4 in	Stainless Steel	Carbon/Ceramic, Stainless Steel, Viton	Stainless Steel	5PXX0	5PXX0
24V DC	3/4 in NPT	13	17 ft	180 °F	7 1/2 in	3 3/4 in	Brass	Carbon/Ceramic, Stainless Steel, Viton	Brass	5PXX8	5PXX8
36V DC	3/4 in NPT	13	17 ft	180 °F	7 1/2 in	3 3/4 in	Stainless Steel	Carbon/Ceramic, Stainless Steel, Viton	Stainless Steel	5PXX1	5PXX1
115V AC	3/4 in NPT	9	14 1/2 ft	180 °F	10 in	6 5/8 in	Brass	Carbon/Ceramic, Stainless Steel, Viton	Brass	5PXX9	5PXX9
	3/4 in NPT	9	14 1/2 ft	180 °F	10 in	6 5/8 in	Brass	Carbon/Ceramic, Stainless Steel, Viton	Brass	5PXX3	5PXX3
Meziere, Centrifugal											
12V DC	3/4 in NPT	25	12 3/4 ft	250 °F	3 1/2 in	7 3/8 in	Aluminum	Carbon/Ceramic	Aluminum	WPX750	21C952
	1 1/2 in NPT	55	12 1/2 ft	250 °F	4 1/2 in	6 3/8 in	Aluminum	Carbon/Ceramic	Aluminum	WPX753	21C954
	1 1/2 in NPT	55	12 1/2 ft	250 °F	4 1/2 in	6 3/8 in	Aluminum	Carbon/Ceramic	Aluminum	WPX755	21C955
Meziere, Positive Displacement, 2 Stage											
12V DC	3/8 in NPT	2.05	92 ft	185 °F	4 in	5 5/8 in	Steel	Viton	Aluminum	WPX702	21C949