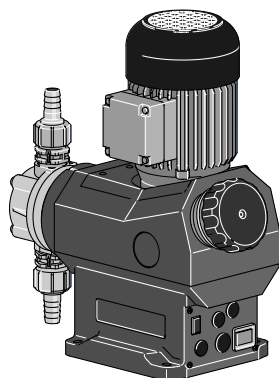


ProMinent® Vario C Motor Diaphragm Metering Pumps

Overview: Vario C



pk_2_126

Ideal for basic chemical feed applications

(see [page 132](#) for spare parts)

The ProMinent® Vario C motor-driven metering pump is available in the standard version fitted with a 115 V 60 Hz single-phase AC motor or alternatively with a 230/400 V 50/60Hz 3-phase AC motor. The capacity range is from 2.5-20.3 gph (9.6-76.8 l/h) with a maximum back pressure of 145-58 psi (10-4 bar). The pump capacity is adjusted by varying the stroke length (3 mm) in 1 % steps by means of a self-locking adjustment knob.

Under defined conditions and with correct installation, the reproducibility of the metering is better than $\pm 2\%$ over the stroke length range from 30 % to 100 % (notes in the operating instructions must be strictly observed).

The sturdy, corrosion-resistant plastic housing provides IP65 protection. A choice of 4 gear ratios, 2 liquid end sizes, 2 liquid end materials (PVDF; SS) allow the pump to be ideally matched to the basic metering duty.

On safety grounds, the electrical installation for all motor-driven metering pumps must incorporate suitable overload devices.

Capacity Data

Pump	Capacity at Maximum Back Pressure				Max. Stroke Rate	Max. Inlet Pressure	Max. Suction Lift	Suction/Discharge Connector	Shipping Weight	
Pump Type VAM	psig	(bar)	U.S. GPH	(L/h)	Stroke/min.	psi	(water) ft. (m)	size	(approx.) lbs.	(kg)
10008 PVT	145	(10)	2.5	(9.6)	45	2.8	23 (7)	1/2" MNPT	13.2	(6.0)
10008 SST	145	(10)	2.5	(9.6)	45	2.8	23 (7)	3/8" FNPT	15.9	(7.2)
10016 PVT	145	(10)	5.1	(19.2)	92	2.8	23 (7)	1/2" MNPT	13.2	(6.0)
10016 SST	145	(10)	5.1	(19.2)	92	2.8	23 (7)	3/8" FNPT	15.9	(7.2)
07026 PVT	102	(7)	8.2	(31.2)	144	2.8	23 (7)	1/2" MNPT	13.2	(6.0)
07026 SST	102	(7)	8.2	(31.2)	144	2.8	23 (7)	3/8" FNPT	15.9	(7.2)
07042 PVT	102	(7)	13.3	(50.4)	230	2.8	23 (7)	1/2" MNPT	13.2	(6.0)
07042 SST	102	(7)	13.3	(50.4)	230	2.8	23 (7)	3/8" FNPT	15.9	(7.2)
07012 PVT	102	(7)	3.8	(14.3)	45	1.7	20 (6)	1/2" MNPT	13.2	(6.0)
07012 SST	102	(7)	3.8	(14.3)	45	1.7	20 (6)	3/8" FNPT	15.9	(7.2)
07024 PVT	102	(7)	7.6	(28.8)	92	1.7	20 (6)	1/2" MNPT	13.2	(6.0)
07024 SST	102	(7)	7.6	(28.8)	92	1.7	20 (6)	3/8" FNPT	15.9	(7.2)
04039 PVT	58	(4)	12.7	(48)	144	1.7	20 (6)	1/2" MNPT	13.2	(6.0)
04039 SST	58	(4)	12.7	(48)	144	1.7	20 (6)	3/8" FNPT	15.9	(7.2)
04063 PVT	58	(4)	20.3	(76.8)	230	1.7	20 (6)	1/2" MNPT	13.2	(6.0)
04063 SST	58	(4)	20.3	(76.8)	230	1.7	20 (6)	3/8" FNPT	15.9	(7.2)

Materials in Contact with Chemicals

	Liquid end	Suction/discharge connection	Seals	Valve balls	Valve seat	Standard connection
PVT	PVDF (polyvinylidene fluoride)	PVDF	PTFE	Ceramic	PTFE	See above table
SST	Stainless steel	Stainless steel	PTFE	Stainless steel	PTFE	See above table

ProMinent® Vario C Motor Diaphragm Metering Pumps

Identcode Ordering System

VAMc Vario Diaphragm Metering Pumps, Version C

Pump type:

10008	2.5 gph (9.6 l/h)	145 psi (10 bar)
10016	5.1 gph (19.2 l/h)	145 psi (10 bar)
07026	8.2 gph (31.2 l/h)	101.5 psi (7 bar)
07042	13.3 gph (50.4 l/h)	101.5 psi (7 bar)
07012	3.8 gph (14.4 l/h)	101.5 psi (7 bar)
07024	7.6 gph (28.8 l/h)	101.5 psi (7 bar)
04039	12.7 gph (48.0 l/h)	58 psi (4 bar)
04063	20.3 gph (76.8 l/h)	58 psi (4 bar)

Liquid end material:

PVT	PVDF
SST	stainless steel

Liquid end version:

0	no valve spring (standard) PVC
1	with 2 valve springs. Hastelloy C4

Hydraulic connection:

0	standard connection
1	union nut and PVC insert
2	union nut and PP insert
3	union nut and PVDF insert
4	union nut and stainless steel insert
7	union nut and PVDF hose barb
8	union nut and stainless steel hose barb

Version:

0	with ProMinent® logo (standard)
2	without ProMinent® logo
M	modified

Voltage Supply:

S	3 ph, 230 V / 400 V; 50/60 Hz
N	1 ph AC 115 V; AC 60 Hz

Stroke sensor:

0	no stroke sensor
3	with stroke sensor (Namur)

Automatic stroke adjustment:

0	manual (standard)
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VAMc 04063 PVT 0 0 0 N 0 0

ProMinent® Vario C Motor Diaphragm Metering Pumps

Dimensional Drawings

Dimensions in inches (mm).

