

► from 2.5 - 20.3 gph (9.6 - 76.8 l/h)

ProMinent® Vario C Series

Experts in Chem-Feed and Water Treatment

ProMinent®

Simple metering pump solution at a low cost

The standard version of the **ProMinent® Vario C** motor driven pump is fitted with an 115V 60 Hz AC motor. It has a capacity range of **2.5 to 20.3 gph (9.6 to 76.8 l/h)** at a maximum backpressure of **145-58 psig (10-4 bar)**. The pump capacity is adjusted by varying the stroke length (3mm) in 1% steps via a self-locking adjusting knob. The repeatable dosing accuracy is better than +/- 2% with correct installation and in the stroke length range of 30-100% (installation instructions in the operating manual must be followed). The rugged, corrosion resistant plastic housing is rated NEMA 4X. To facilitate adaptation of the pumps to the widest possible range of process requirements we offer a choice of four gearbox ratios, two liquid end sizes and two liquid end materials (PVDF, SS). For safety reasons, all motor driven dosing pumps must be equipped with adequate protection against electrical and mechanical overload.



ProMinent® Vario C

Applications

- Time-controlled chemical addition in the cooling water circuit
- Continuous chemical addition in water treatment at constant volume streams

Features and benefits

- Stable corrosion-resistant plastic housing with protection class IP 65
- Stroke length: 0.12" (3 mm), adjustable by means of a micrometer in 1% steps
- Liquid end materials: PVDF, Stainless Steel
- Metering repeatability at defined conditions and correct installation is better than $\pm 2\%$ (with a stroke range of 30 - 100%)
- Drive is available with single phase AC standard motor or a three phase AC motor (optionally)
- Robust design: strong drive motor, shock and chemical resistant fiberglass reinforced plastic housing
- Good adjustments to defined applications thanks to 4 different gear reductions and 2 liquid end sizes in 2 materials

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Capacity data

Pump Type VAM	Pump Capacity at Maximum Back Pressure		U.S. (L/h) GPH		Max. Stroke Rate	Max. Inlet Pressure	Max. Suction Lift	Suction/ Discharge Connector	Shipping Weight	
	psig (bar)				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)

Model Part Numbers & Accessories

Pump Model	Part no.
VAMc10008PVT	7781408
VAMc10008SST	7781409
VAMc10016PVT	7781410
VAMc10016SST	7781411
VAMc07026PVT	7781412
VAMc07026SST	7781413
VAMc07042PVT	7781414
VAMc07042SST	7781415

Foot Valves	Part no.
1/2" (DN10) MNPT PTFE/PTFE (PVDF)	809466
3/8" (DN10) FNPT SS/PTFE (stainless steel)	809467

Pump Model	Part no.
VAMc07012PVT	7781416
VAMc07012SST	7781417
VAMc07024PVT	7781418
VAMc07024SST	7781419
VAMc04039PVT	7781420
VAMc04039SST	7781421
VAMc04063PVT	7781422
VAMc04063SST	7781423

Injection Valves	Part no.
1/2" (DN10) MNPT PTFE/PTFE (PVDF)	809462
3/8" (DN10) FNPT SS/PTFE (stainless steel)	809463

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