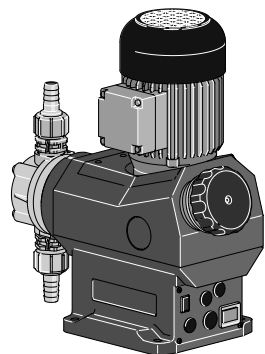


2.1 ProMinent® Vario C Diaphragm Metering Pumps

2.1.1 ProMinent® Vario C Diaphragm Metering Pumps



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The ProMinent® Vario C motor-driven metering pump is available in the standard version fitted with a 0.07 kW 230/400 V 50/60Hz 3-phase AC motor. or alternatively with a 0.06 kW, 230 V 50 Hz or 115 V 60 Hz single-phase AC motor. The capacity range is from 8-75 l/h with a maximum back pressure of 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.

Technical Data

Vario C pump type	at 50 Hz				at 60 Hz						
	Capacity at max. back pressure		m/ stroke	Max. stroke frequency	l/h	Stroke frequency at max. back pressure	Suction lift	Perm. adm. pressure suction side	Connection suction/ discharge side	Shipping weight	
bar	l/h	strokes/ min.									strokes/ min.
10008	10	8	3.6	38	9.6	45	7	2.8	3/4 - 10	6.0/7.2*	
10016	10	16	3.6	77	19.2	92	7	2.8	3/4 - 10	6.0/7.2*	
07026	7	26	3.6	120	31.2	144	7	2.8	3/4 - 10	6.0/7.2*	
07042	7	42	3.6	192	50.4	230	7	2.8	3/4 - 10	6.0/7.2*	
07012	7	12	5.4	38	14.4	45	6	1.7	3/4 - 10	6.0/7.2*	
07024	7	24	5.4	77	28.8	92	6	1.7	3/4 - 10	6.0/7.2*	
04039	4	40	5.4	120	48.0	144	6	1.7	3/4 - 10	6.0/7.2*	
04063	4	64	5.4	192	76.8	230	6	1.7	3/4 - 10	6.0/7.2*	

Process-Wetted Materials For Liquid End Versions

	Liquid end	Suction/discharge connection	Seals	Valve balls	Valve seat	Standard connection
PVT	PVDF (polyvinylidene fluoride)	PVDF	PTFE	Ceramic	PTFE	See Identcode selection
SST	Stainless steel Mat. No. 1.4404	Stainless steel Mat. No. 1.4581	PTFE	Stainless steel Mat. No. 1.4401	PTFE	See Identcode selection

2.1 ProMinent® Vario C Diaphragm Metering Pumps

2.1.2 Identcode Ordering System

VAMc	Vario Diaphragm Metering Pumps, Version C							
	Pump type: (digits 1 + 2 = back pressure (bar), digits 3;4;5 = capacity (l/h)) 10008 10 bar, 8 l/h 10016 10 bar, 16 l/h 07026 7 bar, 26 l/h 07042 7 bar, 42 l/h 07012 7 bar, 12 l/h 07024 7 bar, 24 l/h 04039 4 bar, 40 l/h 04063 4 bar, 64 l/h							
	Liquid end material: PVT PVDF, PTFE seal SST stainless steel, PTFE seal							
	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 nozzle 8 union nut and stainless steel hose nozzle							
	Version: 0 with ProMinent® logo (standard) 2 without ProMinent® logo M modified							
	Supply (motor): S 3 ph, 230 V / 400 V; 50/60 Hz M 1 ph AC 230 V; AC 50 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)							
VAMc	04063	PVT	0	0	0	S	0	0

2.1 ProMinent® Vario C Diaphragm Metering Pumps

2.1.3 Spare Parts Kits

Spare parts kits normally include the parts of the liquid ends subject to wear.

Standard delivery package for PVT material version

- 1 pump diaphragm
- 1 suction valve set
- 1 discharge valve set
- 2 valve balls
- 1 set of seals (packing rings, ball seat housings)

Standard delivery package for SST material version

- 1 pump diaphragm
- 2 valve balls
- 1 set of seals (packing rings, flat seals, ball seat)

Vario spare parts kit

(applicable for Identity Code:
Type VAMc 10008, 10016, 07026, 07042)

		Order No.
Liquid end FM 042 - DN 10	PVT	1003641
	SST	910751

(applicable for Identity Code:
Type VAMc 07012, 07024, 04039, 04063)

		Order No.
Liquid end FM 063 - DN 10	PVT	1003642
	SST	910756

Pump diaphragms

		Order No.
Vario with FM 042 Type VAMc 10008, 10016, 07026, 07042		811458
FM 063 Type VAMc 07012, 07024, 04039, 04063		811459