

PROMINENT® VARIO C DIAPHRAGM DOSING PUMPS



ProMinent® Vario C

The standard version ProMinent® Vario C motor driven diaphragm dosing pump is fitted with an AC motor 0.07 kW; 230/400 V; 50/60 Hz available and alternatively with a custom-bulit overload protected 1 ph. AC motor: 0.07 kW, 230 V 50 Hz or 115 V 60 Hz AC. It has a capacity range of 8 to 75 l/h at a maximum back pressure of 10-4 bar. The pump capacity is adjusted by varying the stroke length (3 mm) in 1 % steps via a self locking adjusting knob. The reproducible dosing accuracy is better than $\pm 2\%$ providing installation has been

correctly carried out, and in the stroke length range of 30 - 100 % (instructions in the operating instructions manual must be followed). The rugged, corrosion resistant plastic housing is rated IP 65. To facilitate adaption of the pumps to the widest possible range of processing requirements we offer a choice of four gearbox ratios, two liquid end sizes, two liquid end materials (PVDF, SS). For safety reasons, all motor driven dosing pumps must be equipped with adequate protection against electrical overload.

Technical Data

Pump type Vario C	at 50 Hz				at 60 Hz							
	Pump capacity at max. back pressure			Max. stroke freq.	Pump capacity at max. back pressure		Stroking rate at max. back pressure	Suction lift	Admiss. priming pressure suction side	Connector suction/ discharge side	Shipping weight	
	bar	l/h	ml/ stroke		strokes/ min.	psi						l/h/gph
10008	10	8	3.6	38	145	9.6/ 2.5	45	7	2.8	3/4 - 10	6.0/7.2	
10016	10	16	3.6	77	145	19.2/ 5.1	92	7	2.8	3/4 - 10	6.0/7.2	
07026	7	26	3.6	120	102	31.2/ 8.2	144	7	2.8	3/4 - 10	6.0/7.2	
07042	7	42	3.6	192	102	50.4/13.3	230	7	2.8	3/4 - 10	6.0/7.2	
07012	7	12	5.4	38	102	14.3/ 3.8	45	6	1.7	3/4 - 10	6.0/7.2	
07024	7	24	5.4	77	102	28.8/ 7.6	92	6	1.7	3/4 - 10	6.0/7.2	
04039	4	40	5.4	120	58	48.0/12.7	144	6	1.7	3/4 - 10	6.0/7.2	
04063	4	64	5.4	192	58	76.8/20.3	230	6	1.7	3/4 - 10	6.0/7.2	

Liquid end materials in contact with chemicals

	Liquid end	Suction/Discharge Connector	Seals	Valve Balls	Valve Seat	Standard Connector
PVT	PVDF (Polyvinylidenfluoride)	PVDF	PTFE	ceramic	PTFE	see identcode
SST	stainless steel no. 1.4571/ 1.4404	stainless steel no. 1.4581	PTFE	stainless steel no. 1.4401	PTFE	see identcode

IDENTCODE ORDERING SYSTEM

VAMc		Vario Diaphragm Dosing Pump, version c							
		Pump type (digit 1+2 = backpressure [bar], cypher 3;4;5 = flow rate [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						
		Dosing head material							
		PVT	PVDF, seal PTFE						
		SST	stainless steel, seal PTFE						
		XXA	drive						
		Liquid end version							
		0	without valve springs (standard)						
		1	with 2 valve springs, hastelloy C4						
		X	no liquid end						
		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 SS insert						
		7	union nut and hose sleeve PVDF						
		8	union nut and hose sleeve SS						
		X	no liquid end						
		Version							
		0	with ProMinent logo (standard)						
		2	without ProMinent logo						
		M	modified						
		El. connection (motor)							
		S	3 ph, 230 V / 400 V; 50/60 Hz						
		M	1 ph AC 230 V; AC 50/60 Hz						
		N	1 ph AC 115 V; AC 60 Hz						
		Stroke sensor							
		0	no stroke sensor						
		3	with stroke sensor (namur)						
		Autom. stroke length adjustment							
		0	manual (standard)						
VAMc		04063	PVT	0	0	0	S	0	0

