eOne/eOne B Solenoid Pump

Overview

eOne pump

The eOne dosing pumps are the next generation of chemical dosing with high stroke rates and accurate dosing. The models include the manual MA, multifunction MF and the PLUS which includes an integrated pH/Rx/Cl controller. All models also available in base mount configuration

The eOne can receive a variable voltage range between 100 – 250 Vac 50/60Hz without performance loss. As standard the eOne includes a PVDF pump head with double ceramic ball valves and seals in TFE/P – a new elastomer compatible with a wide variety of acidic and alkaline chemicals. Each pump is supplied with an installation kit featuring a PVDF – TFE/P injection valve, PVDF – TFE/P foot filter, PE discharge tube, PVC suction tube and a wall mounting plate with plug and screws.

eOne B pump

Technical Features

- **Flow Rate** From 1 – 30 L/H
- **Maximum Pressure** Up to 20 bar
- **Power Supply** 100 – 250 Vac (50/60Hz)
- **Stroke Rate** 300 impulses/minute maximum
- **Pump Head** PVDF with double ceramic ball valves; Optional auto-bleed function
- **Diaphragm** PTFE
- **External Casing** Mica-reinforced chemical resistant PP
- **Installation Kit** PVDF – injection valve, foot filter, 2m each of suction/discharge tubing, wall mounting plate with screws & plugs

Models

- **eOne Ma** Analogue manual control (dual scale adjustments), 1:1 proportional dosing, level control, pump failure alarms (underload/overload)
- **eOne MF** Digital manual control, proportional dosing modes (1 x N; 1 : N, 1 M; ml x l; L x l; ml x m3; PPM), 4 – 20 mA control, relay output, level control, flow rate calibration, flow sensor input, pump output display, pump failure alarms (underload/overload)
- **eOne PLUS** All eOne MF functions, Integral pH, ORP or chlorine control, PT100 temperature input, 4 – 20 mA output, proximity switch

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Technical Details

Model	Flow rate l/h - (US gal/h)	Pressure bar - (psi)	Injection volume [cc]	Max frequency [imp/1']	Connections [mm]	Power supply	Power Consumption Min/Max [W]
0110	1.0 (0.264)	10 (145)	0.09	180	4/6	100 - 250 Vac 50 - 60 Hz	5/23
	1.8 (0.475)	6 (87)	0.16				
	2.5 (0.660)	2 (29)	0.23				
0216	2.0 (0.528)	16 (232)	0.11	300	4/6	100 - 250 Vac 50 - 60 Hz	7/26
	3.8 (1.008)	10 (145)	0.21				
	5.1 (1.354)	6 (73)	0.29				
0607	6.0 (1.584)	7 (102)	0.33	300	4/6	100 - 250 Vac 50 - 60 Hz	5/23
	6.3 (1.674)	4 (58)	0.35				
	7.3 (1.930)	2 (29)	0.41				
0420	4.0 (1.056)	20 (290)	0.22	300	4/6	100 - 250 Vac 50 - 60 Hz	10/32
	6.0 (1.584)	12 (174)	0.33				
	7.3 (1.930)	8 (116)	0.40				
0710	7.0 (1.859)	10 (145)	0.39	300	4/6	100 - 250 Vac 50 - 60 Hz	7/26
	8.5 (2.244)	6 (87)	0.47				
	11.7 (3.081)	2 (29)	0.65				
1012	10.0 (2.640)	12 (174)	0.56	300	4/6	100 - 250 Vac 50 - 60 Hz	10/32
	11.8 (3.113)	6 (87)	0.66				
	14.3 (3.765)	2 (29)	0.79				
1505	15.0 (3.960)	5 (73)	0.83	300	4/6	100 - 250 Vac 50 - 60 Hz	7/26
	15.4 (4.068)	3 (44)	0.86				
	17.2 (4.541)	1 (15)	0.96				
2007	20.0 (5.280)	7 (102)	1.11	300	6/8	100 - 250 Vac 50 - 60 Hz	10/35
	21.3 (5.623)	3 (44)	1.18				
	28.2 (7.445)	0.5 (7)	1.57				
3005	30.0 (7.910)	5 (72)	1.66	300	6/8	100 - 250 Vac 50 - 60 Hz	10/35
	30.8 (8.118)	2 (44)	1.71				
	36.5 (9.636)	0.5 (7)	2.03				

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