

EONE & EONE B MF

Multifunction microprocessor solenoid dosing pump

eOne MF is an electronic dosing pump with a 'clever' control of power, depending from the effective dosing conditions.

GENERAL FEATURES

- Flow rate control depending on pressuer variation of the installation.
- Energy saving.
- High injection frequency (up to 300 pulses/minutes).
- Manual flow rate regulation 0 ÷ 100%, 0 ÷ 300% pulses/min.
- Proportional mode (1 x n; 1 : n; 1 x n M; ml x l: L x l: ml x m3: PPM).
- Daily and weekly timer (16 programmes/day).
- Relay output.
- 4-20 mA control.
- Flow sensor input.
- Level probe input.
- Multi-tension power supply: 100÷250 Vac 50/60Hz.
- Pump head material : PVDF.
- Seals material: TFE/P.
- Ceramic ball valves.
- Manual air bleed pump head, excerpt for the model 2007 & 3005.



STANDARD ACCESSORY KIT PVDF-TFE/P

All eOne are supplied with a standard PVDF – TFE/P installation kit, made up of 2m discharge PE tube (4x6mm), 2m suction + 2m bleeding PVC crystal tube (4x6mm), PVDF foot-filter, PVDF injection valve. Other configurations are available upon request.

PUMP FAILURE ALARMS (UNDERLOAD/OVERLOAD)

Underload Alarm (suction alarm): for low (end of) chemical level, blocking suction valve or damaged suction tube.

Overload Alarm (discharge alarm): for over pressure inside the pump head for excessive operating pressure inside the dosing pipeline, for clogging delivery valve.

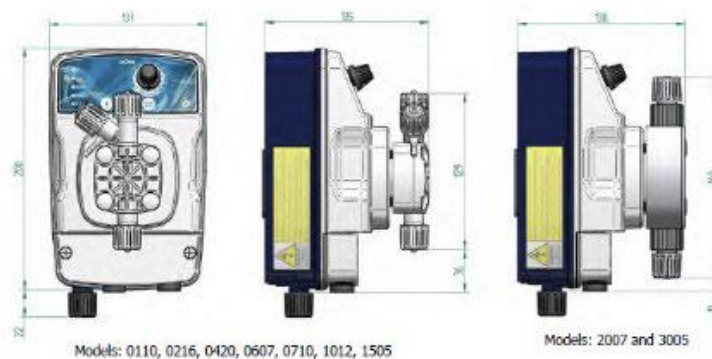




TECHNICAL FEATURES

| 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 | | | | |

DIMENSIONS (MM)



EONE SERIES

Solenoid dosing pumps

CODES

| eOne MF | Version |
|------------|--------------|
| PEU483894I | eOne MF 110 |
| PEU483914I | eOne MF 216 |
| PEU483924I | eOne MF 420 |
| PEU483934I | eOne MF 607 |
| PEU483944I | eOne MF 710 |
| PEU483954I | eOne MF 1012 |
| PEU483964I | eOne MF 1505 |
| PEU483974I | eOne MF 2007 |
| PEU483864I | eOne MF 3005 |

| eOneB MF | Version |
|------------|---------------|
| PBU483894I | eOneB MF 110 |
| PBU483914I | eOneB MF 216 |
| PBU483924I | eOneB MF 420 |
| PBU483934I | eOneB MF 607 |
| PBU483944I | eOneB MF 710 |
| PBU483954I | eOneB MF 1012 |
| PBU483964I | eOneB MF 1505 |
| PBU483974I | eOneB MF 2007 |
| PBU483864I | eOneB MF 3005 |

PRESSURE-FLOWRATE DIAGRAM

