

# EONE & EONE B MA

Analogue electromagnetic dosing pump with constant flow

eOne is an electromagnetic dosing pump with a 'clever' control of power, depending on the effectiveness of the dosing conditions.

## GENERAL FEATURES

- Flow rate control depending on pressure variation of the installation.
- Energy saving.
- High injection frequency (up to 300 pulses/minutes).
- Manual flow rate adjustment by knob
- Dual scale adjustment: 0 – 20% and 0 – 100%.
- Proportional mode 1:1 by water-meter pulse-sender signal.
- Multiflow-tension power supply: 100 – 250 Vac 50/60Hz.
- Pump head material: PVDF.
- Seals: TFE/P.
- Manual air bleed pump head, except for models 2007 & 3095.
- Level probe input.
- Supplied with PVDF installation kit.
- Flow rate: 1 to 30l/h.
- Maximum pressure: 20 bar.
- Stroke rate: 180 to 300 impulses/min.
- Diaphragm: PTFE.
- External casing: reinforced PP & chemical



## 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

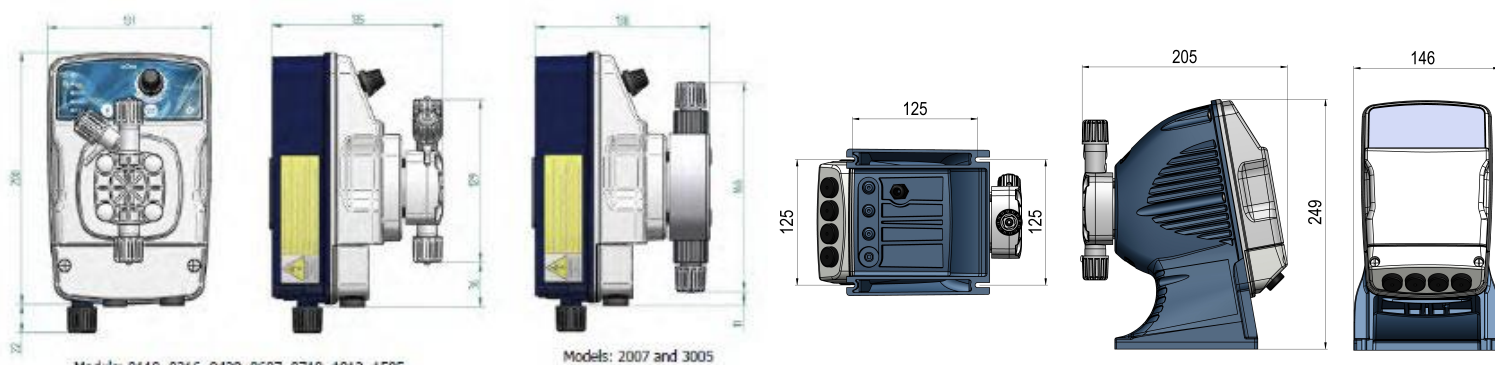




## TECHNICAL FEATURES

| Model | Flow rate l/h -<br>(US gal/h) |         | Pressure<br>bar - (psi) |       | Injection<br>volume<br>[cc] | Max<br>frequency<br>[imp/1'] | Connections<br>[mm] | Power supply                | Power<br>Consumption<br>Min/Max<br>[W] |
|-------|-------------------------------|---------|-------------------------|-------|-----------------------------|------------------------------|---------------------|-----------------------------|----------------------------------------|
| 0110  | 1.0                           | (0.264) | 10                      | (145) | 0.09                        | 180                          | 4/6                 | 100 - 250 Vac<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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

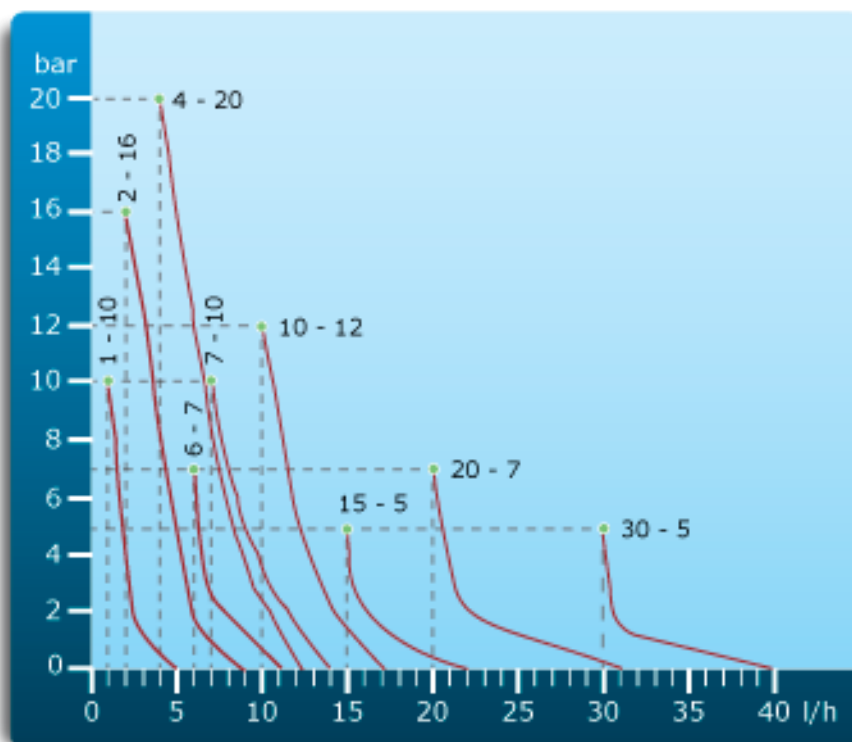


## CODES

| Codes      | Description     |
|------------|-----------------|
| PEU453894I | eOne MA 01 - 10 |
| PEU453914I | eOne MA 02 - 16 |
| PEU453924I | eOne MA 04 - 20 |
| PEU453934I | eOne MA 06 - 07 |
| PEU453944I | eOne MA 07 - 10 |
| PEU453954I | eOne MA 10 - 12 |
| PEU453964I | eOne MA 15 - 05 |
| PEU453974I | eOne MA 20 - 07 |
| PEU453864I | eOne MA 30 - 05 |

| Codes      | Description      |
|------------|------------------|
| PBU453894I | eOneB MA 01 - 10 |
| PBU453914I | eOneB MA 02 - 16 |
| PBU453924I | eOneB MA 04 - 20 |
| PBU453934I | eOneB MA 06 - 07 |
| PBU453944I | eOneB MA 07 - 10 |
| PBU453954I | eOneB MA 10 - 12 |
| PBU453964I | eOneB MA 15 - 05 |
| PBU453974I | eOneB MA 20 - 07 |
| PBU453864I | eOneB MA 30 - 05 |

## PRESSURE-FLOWRATE DIAGRAM



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