

RE 18323-63/01.10

1/4

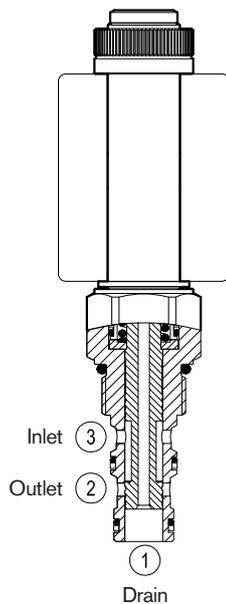
Replaces: RE 00162-02/01.06

# Proportional valves not compensated flow regulator

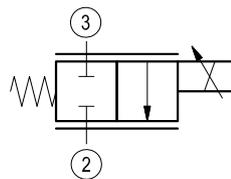
## Common cavity, Size 10

VEP-5A-2Q-09

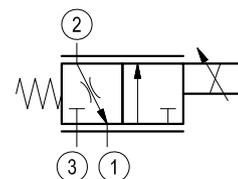
OD.92 - X - 77 - Y - Z



Version 03



Version 05



Version 03: port 1 not used.

### General

|                           |          |                        |
|---------------------------|----------|------------------------|
| Weight                    | kg (lbs) | 0.32 (0.71)            |
| Installation orientation  |          | Optional               |
| Ambient temperature range | °C (°F)  | -30 to 60 (-22 to 140) |

### Hydraulic

|                           |                                     |                       |
|---------------------------|-------------------------------------|-----------------------|
| Max. operating pressure   | bar (psi)                           | 210 (3000)            |
| Flow range                | l/min.(gpm)                         | see flow diagram      |
| Max. internal leakage (*) | cm <sup>3</sup> /min. (cu.in./min.) | 100 (6)               |
| Fluid temperature range   | °C (°F)                             | -20 to 80 (-4 to 176) |

|                      |                      |  |
|----------------------|----------------------|--|
| Fluids               |                      | Mineral-based or synthetics with lubricating properties at viscosities of 15 to 380 mm <sup>2</sup> /s (cSt) |
| Installation torque  | Nm (ft-lbs)          | 44-56 (33-41)  |
| Filtration           |                      | Nominal value max. 10µm (NAS 8)<br>ISO 4406 19/17/14   |
| Cavity               |                      | CA-10A-3N see RE 18325-70  |
| Line bodies          |                      | See data sheet RE 18325-85   |
| Seal kit             | code<br>material no. | RG10A3010520100<br>R901111369  |
| Seal kit coil        | code<br>material no. | RG19A1PNBR7000<br>R934003569   |
| Other technical data |                      | See data sheet RE 18325-90   |

(\*) Measure at 210 bar (3000 psi). Oil at 46 cSt.

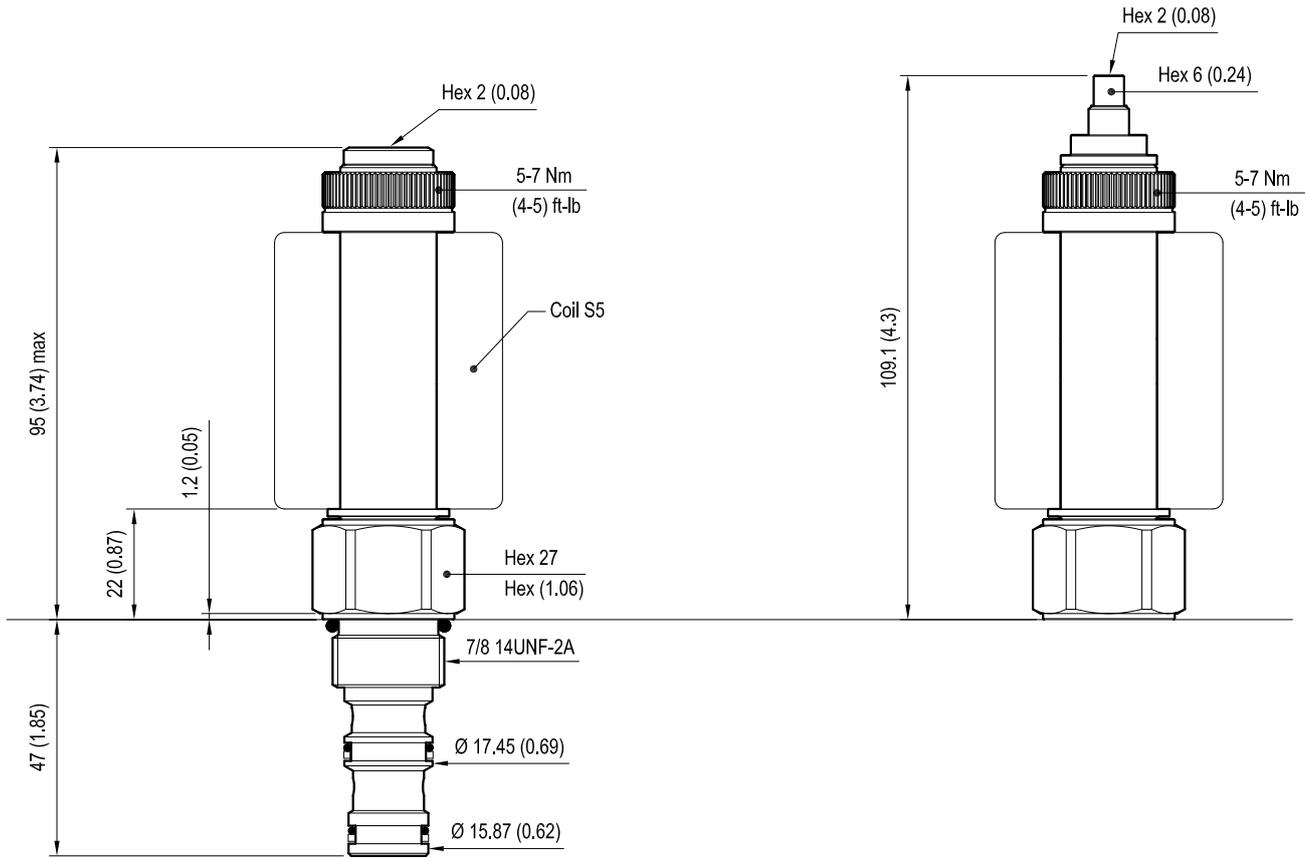
### Electrical

|                    |   |                            |
|--------------------|---|----------------------------|
| Type of voltage    |   | DC voltage                 |
| Coil type          |   | S5                         |
| Supply voltage     |   | 12 DC                      |
| Nominal voltage    |   | ± 10%                      |
| Power consumption  | W | 23                         |
| Duty cycle         | % | 100                        |
| Type of protection |   | See data sheet RE 18325-90 |

**Note: Coils must be ordered sepately.**

# Dimensions

## Proportional valves not compensated flow regulator

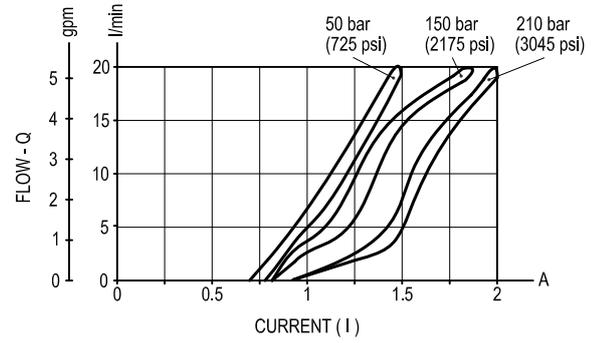
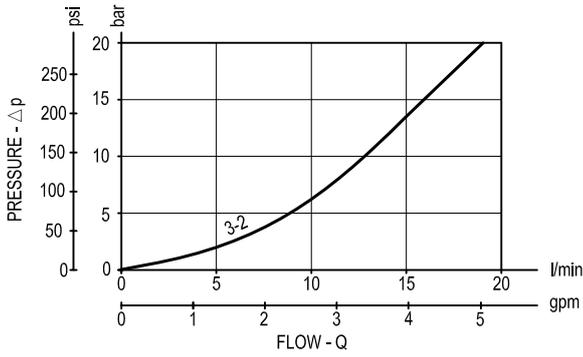


Version 03  
PORT NOT USED

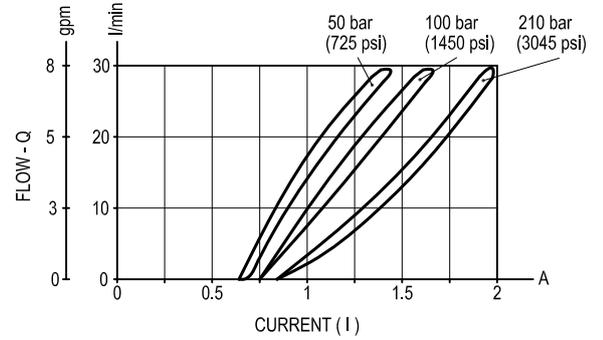
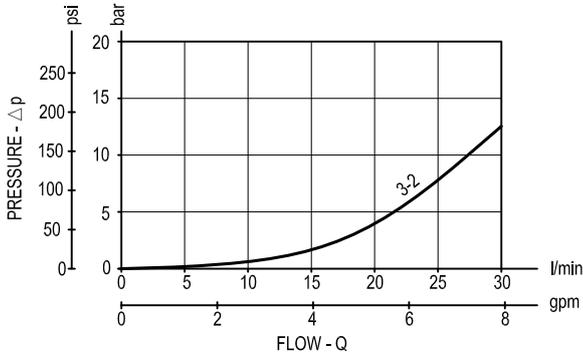
[ mm (Inches) ]

Performance graphs

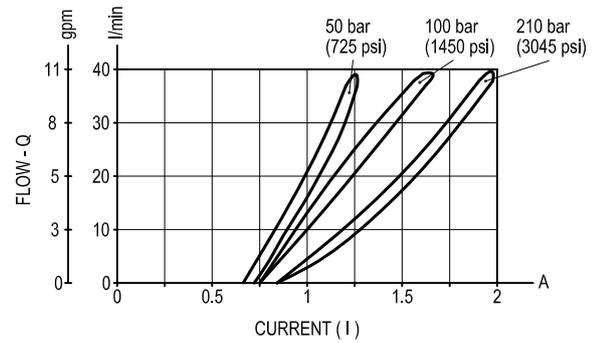
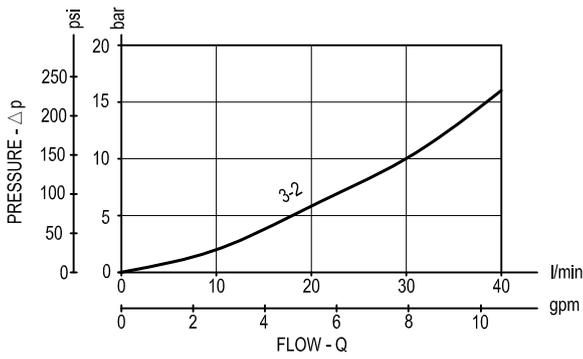
Z= 01



Z= 02



Z= 03



|                           |
|---------------------------|
| PMW Frequency: 120-150 Hz |
| Hysteresis: < 5%          |

Note: It is recommended to use coil 12 DC.

### Ordering code

|  |              |          |           |          |          |  |
|--|--------------|----------|-----------|----------|----------|--|
|  | <b>OD.92</b> | <b>X</b> | <b>77</b> | <b>Y</b> | <b>Z</b> |  |
|--|--------------|----------|-----------|----------|----------|--|

Proportional valves noT compensated flow regulator

= 03

= 05

| Operating range |                               |                    |                    |
|-----------------|-------------------------------|--------------------|--------------------|
|                 | Rated flow max<br>l/min (gpm) | I Min.<br>A (±10%) | I Max.<br>A (±10%) |
| = 01            | 20 (6)                        | 0.9                | 2                  |
| = 02            | 30 (8)                        | 0.8                | 2                  |
| = 03            | 40 (11)                       | 0.8                | 2                  |

standard type

03 =

knob style manual override

04 =

Common cavity: CA-10A-3N

| Type           | Material number |
|----------------|-----------------|
| OD920377030100 | R934001518      |
| OD920377030300 | R934001520      |
| OD920377040100 | R934001521      |
| OD920377040300 | R934001522      |
| OD920577030100 | R934001524      |
| OD920577040100 | R934001526      |
| OD920577040300 | R934001528      |
|                |                 |
|                |                 |
|                |                 |

| Type | Material number |
|------|-----------------|
|      |                 |
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