

RE 18323-60/01.16 Replaces: RE 18323-60/08.10

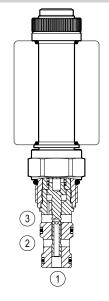
# Proportional valves direct acting pressure reducing

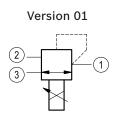
Common cavity, Size 10

VEP-5A-3R-06

OD.91.01.77 - Y - 00







#### General

| 0.01.01.01                |          |                        |
|---------------------------|----------|------------------------|
| Weight                    | kg (lbs) | 0.3 (0.66)             |
| Installation orientation  |          | Optional               |
| Ambient temperature range | °C (°F)  | -30 to 60 (-22 to 140) |

## Hydraulic

| nyuraunc                                     |              |  |  |  |
|--|--------------|--|--|--|
| Max. operating pressure port 2 bar (psi)     |              | 210 (3000)   |  |  |
| Max. pressure admitted bar (psi)             |              | 22 (319)   |  |  |
| Max. flow I/min.(gpm)                        |              | 10 (3)   |  |  |
| Max. internal leakage cm³/min. (cu.in./min.) |              | 12 (0.7)   |  |  |
| 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)  |  |  |
| Recommended degree of fluid contamination    |              | Nominal value max. 10µm (NAS 8) ISO 4406 19/17/14  |  |  |
| Cavity                                       |              | CA-10A-3N see RE 18325-70  |  |  |
| Lines bodies and standard assemblies         |              | Please refer to section "Hydaulic integrated circuit" or consult factory                                     |  |  |
| Seal kit                                     | material no. | RG10A3010530100<br>R930000990  |  |  |
| Seal kit coil                                |              | RG19A1PNBR7010<br>R934003964   |  |  |
| Other technical data                         |              | See data sheet RE 18350-50   |  |  |
|  |              |  |  |  |

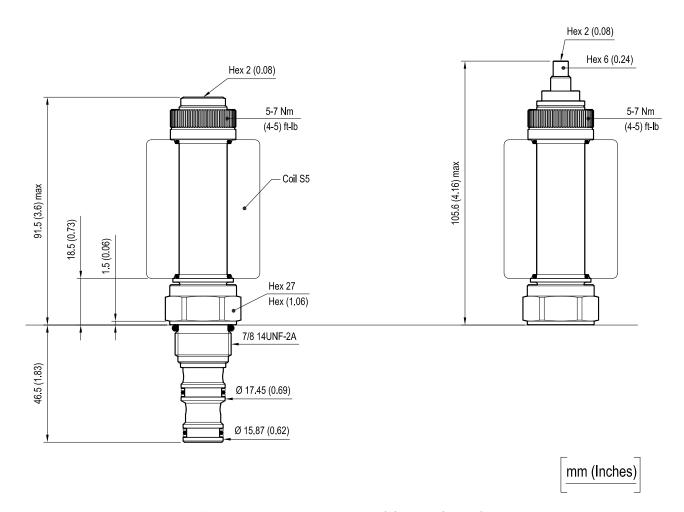
#### Electrical

| Liccuitcai          |                            |
|---------------------|----------------------------|
| 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 separately.

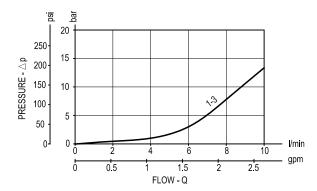
# **Dimensions**

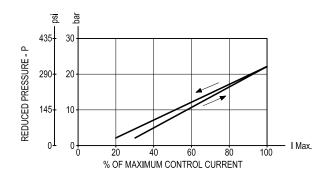
## Proportional valves direct acting pressure reducing



Allowed back pressure at port 3 (T): 5 bar (73 psi) max

# Performance graphs





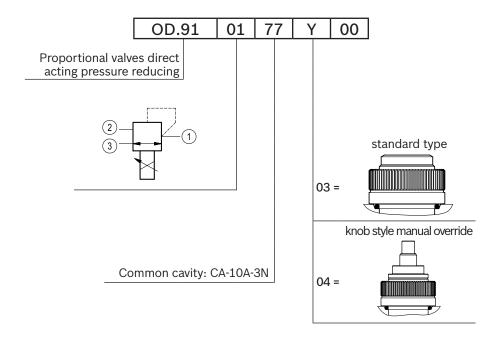
|                           | I      | P<br>bar (psi) | Coils |  |
|---------------------------|--------|----------------|-------|--|
| I min:                    | 0.45 A | 2 (29)         | 12 DC |  |
| I max:                    | 2.0 A  | 22 (319)       | 12 DC |  |
| PMW Frequency: 120-150 Hz |        |                |       |  |
| Hysteresis: < 5%          |        |                |       |  |

Note (1): It is recommended to use coil 12 DC.

Note (2): It is recommended to bleed air carefully before operation

Note (3): Performance using coil without diode.

## Ordering code



| Туре           | Material number | Туре    | Material number |
|----------------|-----------------|---------|-----------------|
| OD910177030000 | R934001495      |         |                 |
| OD910177040000 | R934003442      |         |                 |
|                |                 |         |                 |
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Subject to change.