

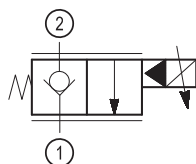
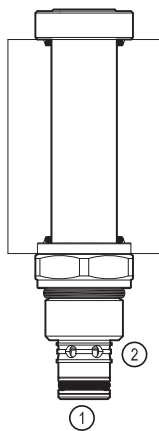
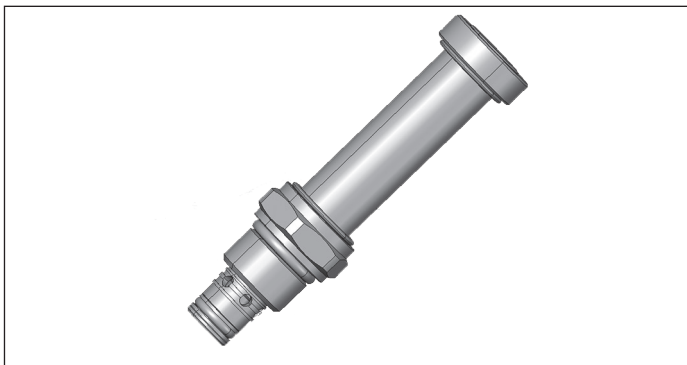
Proportional valves 2-way normally closed Common cavity, Size 08

VPR-P20 Coil R7-VPR

V389679 - Z

RE 18323-81

Edition: 03.2023



Technical data

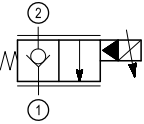
| General | |
|--|---|
| Weight | 0.3 kg (0.66 lbs) |
| Installation orientation | Optional |
| Ambient temperature range | -30 to 80 °C (-22 to 176 °F) |
| Hydraulic | |
| Max. operating pressure | 250 bar (3600 psi) |
| Flow range | 1 - 20 l/min. (0.3 - 5 gpm) |
| Max. internal leakage | 1 cm ³ /min. (0.1 cu.in/min.) |
| Fluid temperature range | -20 to 80 °C (-4 to 176 °F) |
| Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 15 to 380 mm ² /s (cSt) | |
| Installation torque | 42 -48 Nm (31 - 36 ft-lbs) |
| Recommended degree of fluid contamination | Nominal value max. 10 µm (NAS 8) ISO 4406 19/17/14 |
| MTTFD | 150 years see RE 18350-51 |
| Common cavity | CA-08A-2N see 18325-70 |
| Lines bodies and standard assemblies | Please refer to section "Hydraulic integrated circuit" or consult factory |
| Other technical data | See data sheet 18350-50 |
| Electrical | |
| Type of voltage | DC voltage |
| Coil type | R7-VPR |
| Supply voltage | 12 and 24 |
| Nominal voltage | ± 10% |
| Power consumption | 20 W |
| Duty cycle coil | 100 |
| Note: Coils must be ordered separately | |

Ordering code

V389679

*

Proportional valves 2-way
double lock normally closed



A20 = Standard type
E20 = Knob style manual override

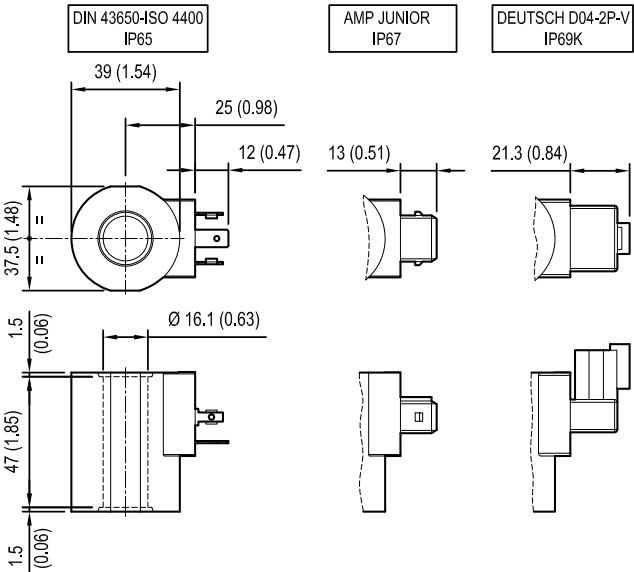
Common cavity: CA-08A-2N

Preferred types

| Type | Material number |
|------------|-----------------|
| V389679A20 | R930087770 |
| V389679E20 | R930079489 |
| | |
| | |
| | |

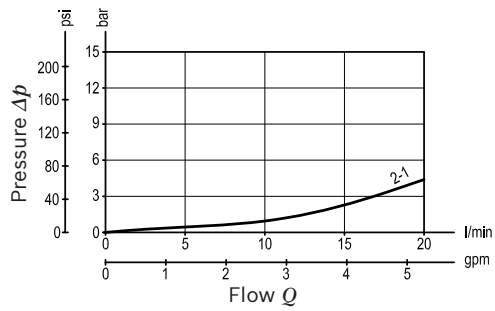
| Type | Material number |
|------|-----------------|
| | |
| | |
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| | |

Coil R7-VPR

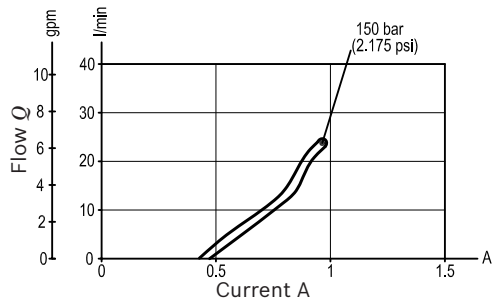


TECHNICAL DATA
Weight: 0.20 kg (0.45 lbs)
Heat insulation Class H: 180°C (356°F)
Ambient temperature range: -30/+80°C (-22/+284°F)
Inlet voltage fluctuations must not exceed ±15% of nominal voltage to obtain correct operation and long life coils.

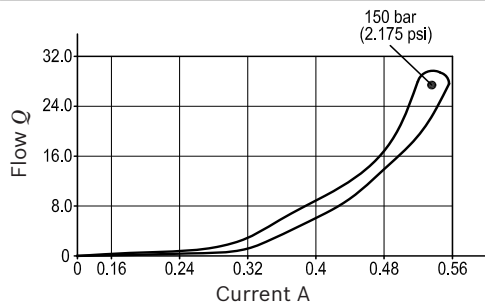
| R-number | Conn. | Voltage V | Resistance Ohm | Current A I max |
|------------|-------|-----------|----------------|-----------------|
| R930075748 | DIN | 12 | 6.7 | 1.7 |
| R932000790 | DIN | 24 | 21.7 | 1.1 |
| R932008695 | AMP J | 12 | 6.7 | 1.7 |
| R930040824 | AMP J | 24 | 21.7 | 1.1 |
| R930075749 | DTV | 12 | 6.7 | 1.7 |
| R930075750 | DTV | 24 | 21.7 | 1.1 |

Characteristic curves**Wide open pressure drop****Flow vs. Current at various differential pressures**

12V
I max. 1.7A



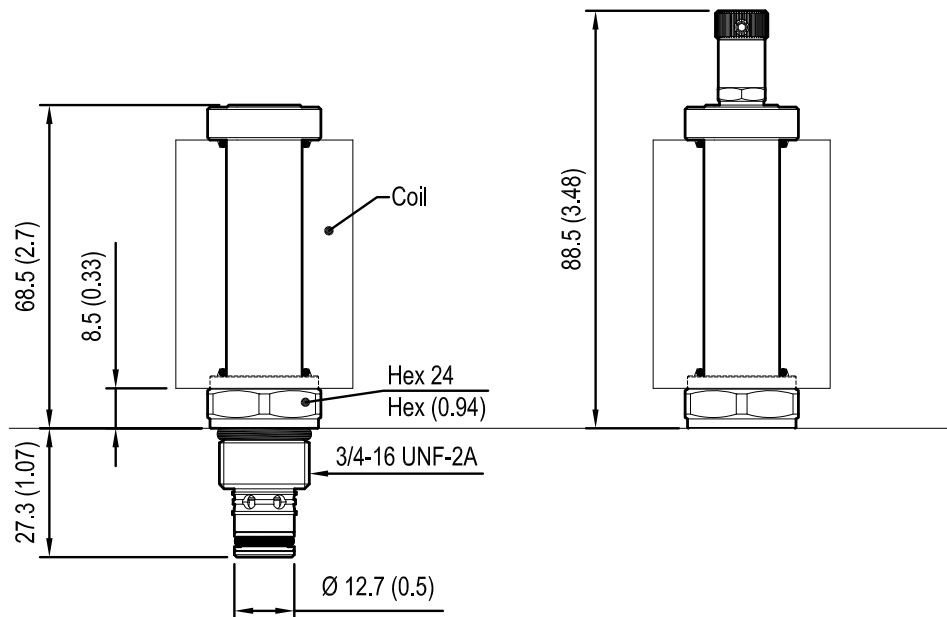
24V
I max. 1.1A



PWM Frequency: 120-150 Hz

Hysteresis: < 10%

Note: Performance using coil without diode.

Dimensions▼ **Proportional valves 2-way****Bosch Rexroth Oil Control S.p.A.**

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