Solenoid operated valves pilot operated poppet type
2-way normally closed
Common cavity, Size 12

VEI-8A-12A-NC

### Technical data

#### General
- **Weight**: 0.22 kg (0.48 lbs)
- **Installation orientation**: Optional
- **Ambient temperature range**: -30 to 60 °C (-22 to 140 °F)

#### Hydraulic
- **Max. operating pressure**: 350 bar (5000 psi)
- **Flow range**: 5 - 150 l/min (1 - 40 gpm)
- **Max. internal leakage**: 20 drops/min.
- **Fluid temperature range**: -20 to 80 °C (-4 to 176 °F)
- **Fluids**: Mineral-based or synthetics with lubricating properties at viscosities of 20 to 380 mm²/s (cSt)
- **Installation torque**: 54 - 66 Nm (40 - 49 ft-lbs)
- **Recommended degree of fluid contamination**: Nominal value max. 10 µm (NAS 8) ISO 4406 19/17/14
- **Cavity**: CA-12A-2N see 18325-70
- **Lines bodies and standard assemblies**: Please refer to section “Hydraulic integrated circuit” or consult factory

#### Seal kit
- **Version 1**
  - **Code**: RG12A2010520100
  - **Material no.**: R901111377
- **Version 2-3**
  - **Code**: RG12A2010530100
  - **Material no.**: R930003374
- **Seal kit coil**
  - **Code**: RG12A1PNBR7010
  - **Material no.**: R934003958

#### Other technical data
- **See data sheet 18350-50

#### Electrical
- **Type of voltage**: DC voltage
- **Coil type**: S8-356 see 18325-90
- **Supply voltage**: See data sheet 18325-90
- **Nominal voltage**: ± 10%
- **Power consumption**: 20 W
- **Duty cycle coil**: See characteristic curves %
- **Type of protection**: See data sheet 18325-90

Note: Coils must be ordered separately
### Ordering code

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<th>OD.15</th>
<th>X</th>
<th>89</th>
<th>Y</th>
<th>Z</th>
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<td>pilot operated poppet type</td>
<td>2-way normally closed</td>
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<tr>
<td>bidirectional type</td>
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<tr>
<td>S0 = Tube not welded</td>
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<tr>
<td>S8 = Tube not welded with extra spring</td>
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<td>for X = 31</td>
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89 Common cavity: CA-12A-2N

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Characteristic curves

Version 1 – Version 2

Standard

Extra spring

Version 3

Standard

Extra spring
Dimensions

- **Version 1:** Solenoid operated valve, poppet 2-way normally closed

![Version 1 Diagram](image)

- **Version 2:** Solenoid operated valve, poppet 2-way normally closed

- **Version 3:** Solenoid operated valve, poppet 2-way double lock normally closed

![Version 2 Diagram](image)

![Version 3 Diagram](image)