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

**Seal kit – 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
## Solenoid Operated Valves

### Ordering Code

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<th>OD.15</th>
<th>X</th>
<th>89</th>
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**Solenoid operated valves**

**pilot operated poppet type**

**2-way normally closed**

- **bidirectional type**
  - S0 = Tube not welded
  - S8 = Tube not welded with extra spring

- **double lock**
  - for X= 05
  - for X= 03
  - for X= 31

- **standard type**

- **knob style manual override**

**89 Common cavity: CA-12A-2N**

<table>
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Characteristic curves

Version 1 – Version 2

Standard

Extra spring

Version 3

Standard

Extra spring
VEI-8A-12A-NC | Solenoid operated valves

Dimensions

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

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

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

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Dimensions [mm (inches)]