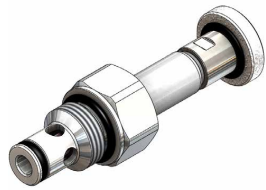


# Solenoid Valves

## SVT0.S08 Valve Series

- SAE Cartridge - 350 bar
- NC Single Lock Pilot Operated
- Poppet Type



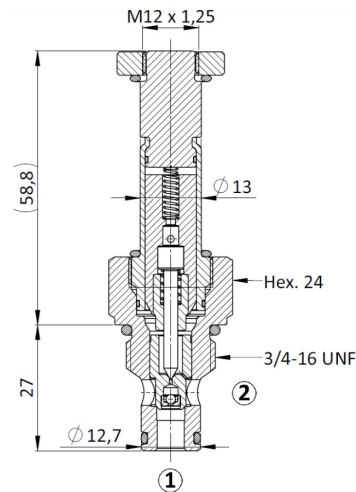
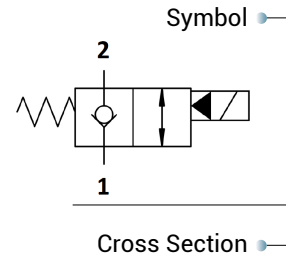
### Description

Solenoid operated, 2-way 2-positions, normally closed, piloted poppet type, screw-in cartridge valve. Typically used as a blocking or load holding device for high pressure circuits. When the coil is de-energized, the SVT0.S08 acts as check valve allowing free flow from 1 to 2, while blocking from 2 to 1. When the coil is energized the poppet lifts and opens both the 2 to 1 and the 1 to 2 flow paths. The rigid design using a 1-piece body contributes to minimize the effect of eccentricities in cavity and provides great reliability. Low pressure drop thanks to optimized flow path.

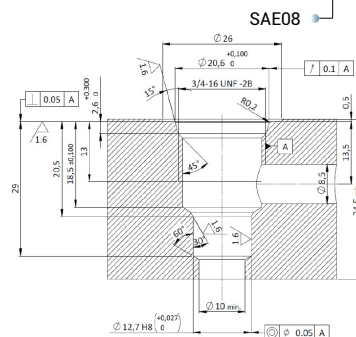
### Technical Features

All external surfaces are zinc plated and corrosion-proof. All valve parts are made of high strength steel. Poppet is hardened and ground to ensure minimal wear and extended service life. Coil seals protect the solenoid system.

Manual override options. Industry SAE common cavity.



### Cavity Details

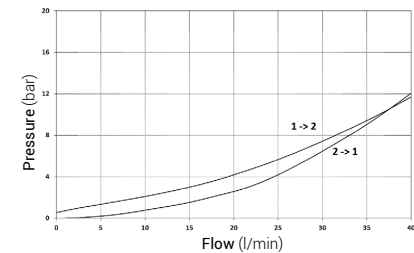


### Technical Data

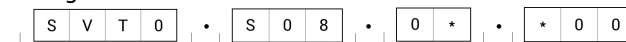
Maximum operating pressure	350 bar
Maximum flow	40 l/min
Maximum internal leakage	0,25 cm <sup>3</sup> / min @350 bar
External component treatment	Zn/Fe - standard (96h) Zn/Ni (720h)
Switch ON Time	30 ms
Switch OFF Time	50 ms
O-ring Temperature Range	-30° C to 110° C (standard sealing NBR - BUNA-N)
Oil Temperature Range	-30° C to 110° C
Fluids	Mineral - based or synthetics with lubricating properties
Viscosities	7,4 to 420 cSt
Minimum pull-in voltage	85% of nominal
Filtration	20/18/15 ISO 4406 (maximum filtration admitted)
Orientation	No restrictions
Installation torque	40 - 45 Nm (Hex. 24)
Technical Specifications for characterization	see page 480
Oil testing condition	ISO VG 46 cSt
Seal kit code	SK.030 and SK.027 (coil)
Coil	18W (for more details see page 410-425)
Weight	0,110 kg

### Performance Details

Note: The performance chart illustrates flow handling capacity in both directions (1 to 2 de-energized, 2 to 1 energized). p/Q curve is recorded at TOil = 40°C and 46 cSt.



### Ordering Code



#### Valve basic code

#### Cavity

**S08** = 3/4 - 16 UNF with  $\varnothing$ 12,7 nose size.  
Other available options:  
**S09** 3/4 - 16 UNF with  $\varnothing$ 15,86 nose size.

**M18** M18 x 1,5 with  $\varnothing$ 12,9 nose size  
**M20** M20 x 1,5 with  $\varnothing$ 15 nose size

#### Marking

**0** = standard factory marking. Customized marking can be done upon request

#### Manual override

Model code	Type of override
0	No override
1	Screw
2	Push and Twist
6	Pull and Hold

#### Filtration

Model code	Type of filter
N	No filter
F	Standard filter (mesh size 280 $\mu$ m)

NOTE = Customized filters can be done upon request

Note: All Solenoid cartridge valves listed in the present catalogue are designed to work with D.C. power supply. To work with A.C. power supply, a RAC coil and connector with rectifier must be used. For any additional information, please contact your Sales contact representative. Specifications may change without notice.

NOTE: for more details see page 426-427.