

WINMAN SOLENOID VALVES

WVJ0.S10 Valve Series



SAE Cartridge - 350 bar
NO Single Lock Pilot Operated - Poppet Type

Description

Solenoid operated, 2-way 2-positions, normally open, 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 SVJ0.S10 allows flow from 2 to 1, while flow from 1 to 2 is severely restricted. When the coil is energized the valve closes, blocking flow from 2 to 1. In this mode, flow from 1 to 2 is allowed once the pressure overcomes the force of the solenoid.

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.

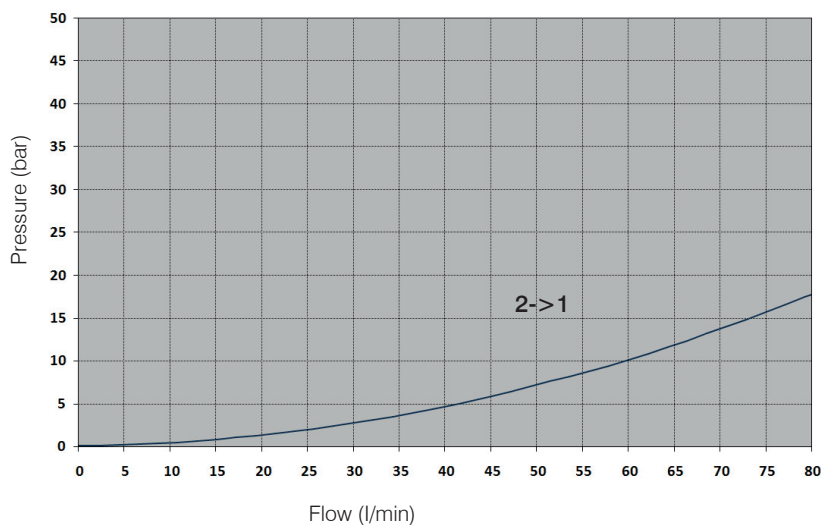
Manual override option.

Industry SAE common cavity.

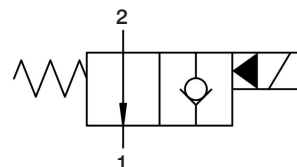
Note: Standard sealing NBR (BUNA-N)

Performance Details

Note : For information about operating limits, please contact the factory.



Symbols



Technical Data

Maximum operating pressure: 350 bar

Maximum flow: 80 l/min

Internal leakage: max 5 drops/min @ 350 bar

Response time: Energized 20 ms,

De-energized 30 ms (typical 24V DC coil)

Temperature: -30°C to 110°C

Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt

Minimum pull-in voltage: 85% of nominal

Orientation: no restrictions

Installation torque: 55-65 Nm

Seal kit code: SK.030 and SK.027 (coil)

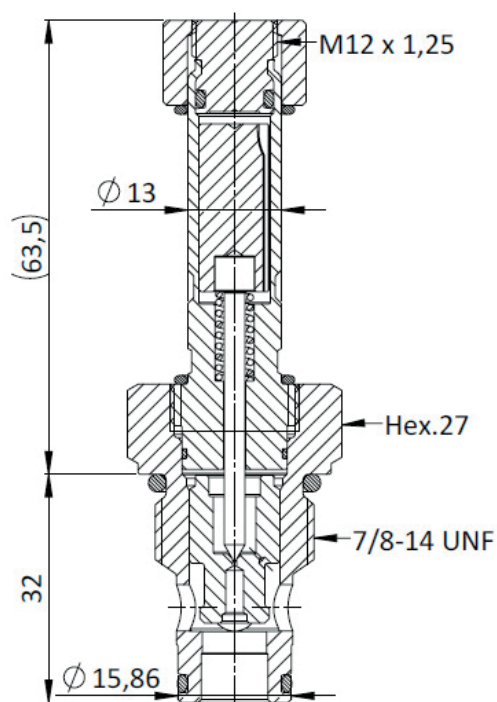
Weight: 0.164 kg

NOTE: The performance chart illustrates flow handling capacity in both directions (1 to 2 energized, 2 to 1 de-energized).

P/Q curves are recorded at TOil = 40°C and 46 cSt

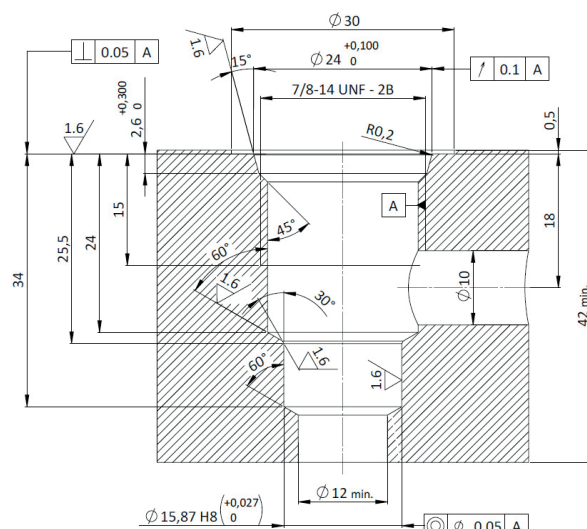
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Cross Section



Cavity Details

SAE08



Ordering Code

W V J 0 • S 1 0 • 0 * • 0 0 0

Valve basic code

Cavity

S10 = 7/8-14 UNF with $\phi 15,86$ nose size

Manual override

Marking

0=Standard factory marking

Customized markings can be done upon request

Manual Override

Model Code	Type of override
0	No override
1	Push pin
2	Push knob
6	Screw

Coil



Use 18W coil to operate this valve.