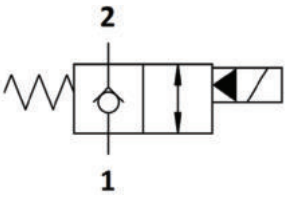
WE.R0.S08 Valve Series

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

Description & Operation

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 WER0. S08 acts as check valve allowing free flow from 2 to 1, while blocking from 1 to 2. When the coil is energized the poppet lifts and opens both the 1 to 2 and the 2 to 1 flow paths. The rigid design using a 1-piece bod contributes to minimize the effect of eccentricities in cavity and provides great reliability. Low pressure drop thanks tooptimized flow path

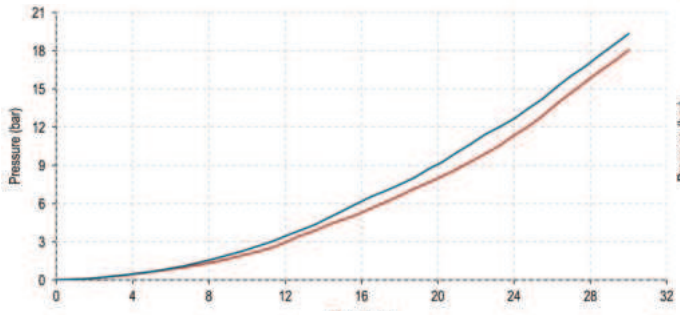


Hydraulic Symbol

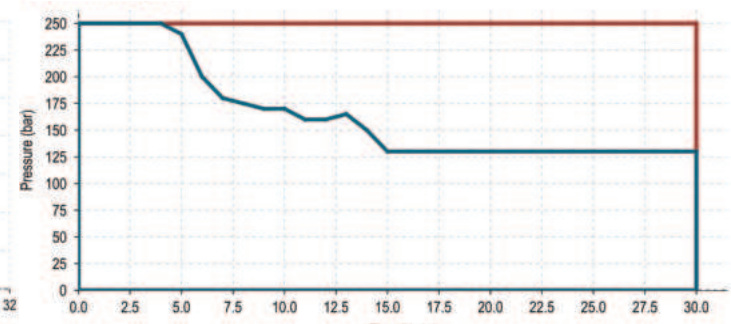
Technical Data

Maximum operating pressure	350 Bar
Maximum flow	30 LPM
Maximum internal leakage	0.25 cm^3 / min @ 250 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)
Oil testing condition	ISO VG 46 cSt
Seal kit code	SLKT.003 & SLKT.027 (coil)
Coil	18 W
Weight	0.110 kg

Performance Curve



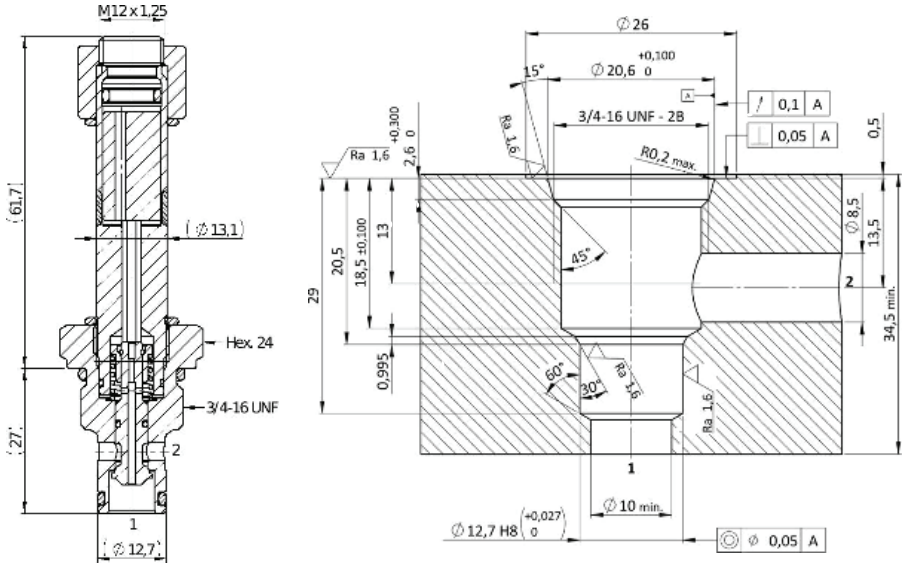
Flow (LPM)



Flow (LPM)

Dimensional Drawing

Cross Section and Cavity Details



Ordering Code

W	E	•	R	0	•	S	0	8	•	0	*	•	*	0	0

valve basic code

Cavity
S08 =3/4- 16 UNF with ⌀12.7 nose size
Other available optoins:
S09 =3/4- 16 UNF with ⌀15.86 nose sizes
M20 =M20 x 1.5 with ⌀15 nose size

Marking
0 =standard factory marking. cutomized marking can be done upon request

Manual override

model Code	Type of Override
0	No Override
2	Push and Twist
3	Push pin
4	Push and Hold
8	Screw
C	Special Screw

Filtration

model Code	Type of Filter
N	No Filter
F	Standard filter (Mesh size 280µm)

Note=Customized filters can be done upon request

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SOLENOID VALVES