

WE.D5.M20 Valve Series

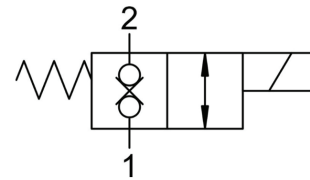
METRIC CARTRIDGE- 250 BAR

NC Double Lock Direct Acting – 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 WE.D5.M20 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 to optimized flow path



Hydraulic Symbol

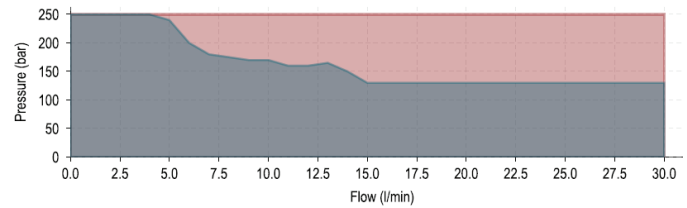
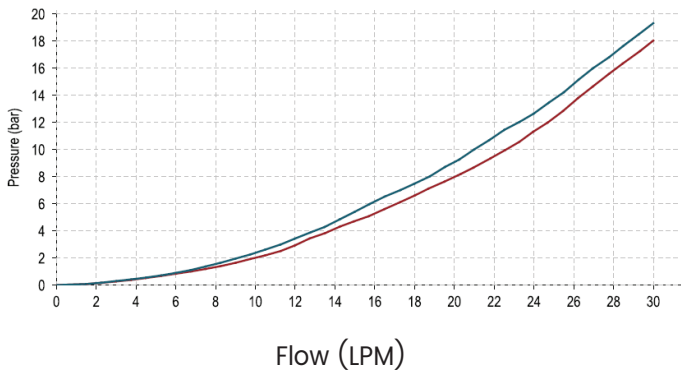


Technical Data

Maximum operating pressure	250 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	20 ms
Switch OFF Time	40 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.140 & SLKT.027 (COIL)
Coil	18 W
Weight	0.120 kg

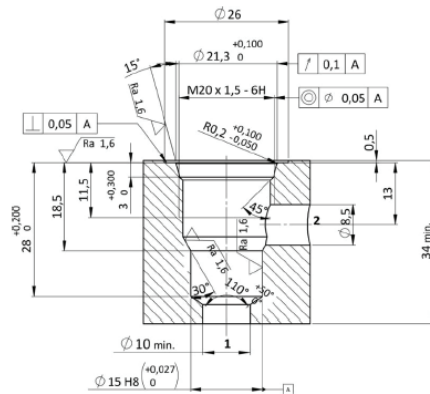
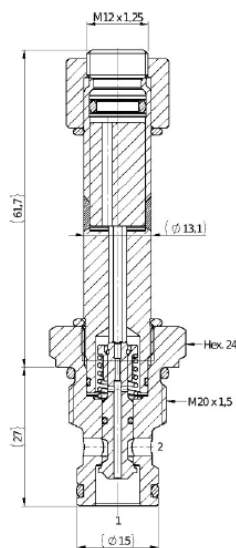


Performance Curve



Dimensional Drawing

Cross Section and Cavity Details



Ordering Code

W E • D 5 • M 2 0 • 0 * • * 0 0

Valve basic code

Cavity

S08 = 3/4- 16 UNF with
ø12.7 nose size

Other available options:
S09 = 3/4- 16 UNF with
 ⌀15.86 nose sizes

M20 =M20 x 1.5 with $\phi 15$ 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
9	Pull And Hold with screw 10-32
A	Pull And Hold with screw MS

Filtration

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

Note=Customized filters
can be done upon request

NOTE: Customized filters can be done upon request.