## **Solenoid Valves**



### WE.BO.SO8-D Valve Series

SAE Cartridge - 250 Bar Directional Valve - 4/3 Spool Type

### **Description & Operation**

A Solenoid operated, 4 way 3 positions, spool type, direct acting, screw-in hydraulic directional cartridge valve. In the de-energized mode ports 2,4 and 1 are connected while port 3 is blocked. When coil S1 (lower coil) is energized flow is allowed from 3 to 4 and from 2 to 1. When coil S2 (upper coil) is energized flow is allowed from 3 to 2 and from 4 to 1. 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 paths.

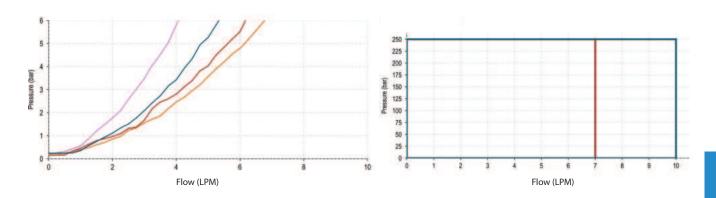


**Hydraulic Symbol** 

# Technical Data

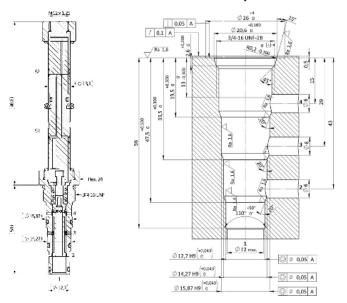
Maximum operating pressure	250 Bar
Maximum flow	10 LPM
Maximum internal leakage	120 cm³ / min @ 250 Bar
External component treatment	Zn/Fe - standard (96h) Zn/Ni (720h)
O-ring Temperature Range	-30° C to 110° C (standard sealing NBR - BUNA-N)
Oil Temperature Range	-30° C to 110° C
Fluids	Mineral - based 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.065 & SLKT.027 (one for each coil)
Coil	18W
Weight	0.183 kg

# Performance Curve

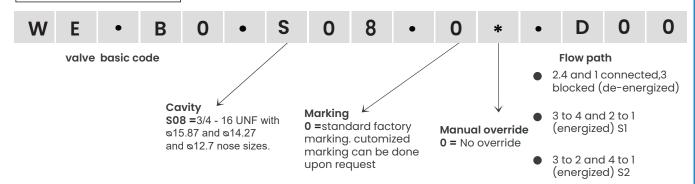


# Dimensional Drawing

#### **Cross Section and Cavity Details**



## |||||| Ordering Code



**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 rectifer must be used. For any additional information, please contact your Sales contact representative.