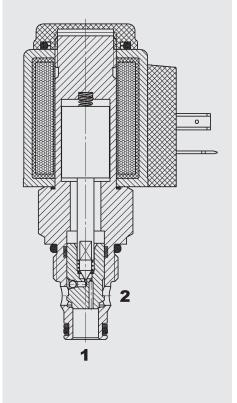


DAGINTERNATIONAL

2/2 Solenoid Directional Valve UNE **Poppet Type, Pilot Operated,** Normally Closed SAE-08 Cartridge – 350 bar WS08BR-31



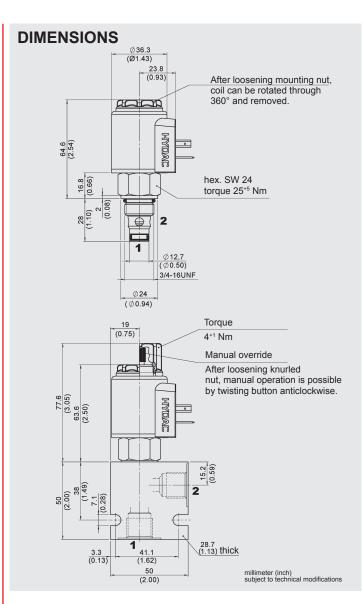
The directional poppet valve WS08BR is a pilot-operated, normally closed, springloaded valve. When the solenoid is deenergized, the valve blocks flow from port 1 to 2 and acts as a check allowing flow from port 2 to 1. When energized the valve allows flow in both directions.

FEATURES

- External surfaces zinc-plated and corrosion-proof
- Hardened and ground internal valve components to ensure minimal wear and extended service life
- Excellent stability throughout the entire flow range
- Excellent dynamic performance
- Coil seals protect the solenoid system
- Wide variety of connections available
- Low pressure drop due to CFD optimized flow path

SPECIFICATIONS

max. 350 bar		
and 2		
min. 7.4 mm²/s to max. 420 mm²/s		
Class 21/19/16 according to ISO 4406 or cleaner		
150 years (see "Conditions and instructions for valves" in brochure 5.300)		
No orientation restrictions		
I		
FC08-2		
Valve complete 0.33 kg Coil only 0.19 kg		
DC solenoid, AC voltage is rectified using a bridge rectifier built into the coil		
1.5 A at 12 V DC; 0.8 A at 24 V DC		
± 15% of nominal		
Continuous up to max. 115% of nominal voltage at max. 60° C ambient temperature		
On: approx. 20 ms Off: approx. 80 ms		
Coil –40-1836		
± 15% of nominal Continuous up to max. 115% of nominal voltage at max. 60° C ambient temperature On: approx. 20 ms Off: approx. 80 ms		



Ø25 **CAVITY** 3/4-16UNF-2B FC08-2 ◎ Ø 0.05 A Ø 12.7 +0.05 Α _ 0.1 A Ra1 9 Ra3.2 11.43 Ra3.2 89 19.05 20.6 60° 4 56 28 1 Ø 12.5 _{max.} X 5:1 Ra1 / 0.1 A 30° ±1° Ø20.6 R_{0.4 max} +0.1 R0.1 2.54 Form tools Part No. Countersink MK3 175473 millimeter (inch) subject to technical modifications Reamer 175474

MODEL CODE WS08BR - 31 M - C - N - 24 DG Basic model Directional poppet valve, metric Type = standard 31 (spanner width 24 metric) Manual override = without manual override No details = manual override M **Body and ports** = cartridge only Combinations with body on request Seals Ν = NBR (standard) = FKM (optional) Coil voltage DC: 12 = 12 Volt DC 24 = 24 Volt DC AC: 115 = 115 Volt AC (bridge rectifier built into coil) 230 = 230 Volt AC (bridge rectifier built into coil) Other voltages on request Coil connections 40-1836 DG = DIN connection to EN175301-803 DT = AMP Junior Timer, 2 pole, radial DK = Kostal threaded connection M27 x 1 DL = leadwires (2), 475mm long DN = Deutsch connection, axial

Standard models

Model code	Part No.
WS08BR-31-C-N-24DG	3554847
WS08BR-31-C-N-230AG	3554848

AG = DIN connection to EN175301-803

Other models on request

Other connections on request

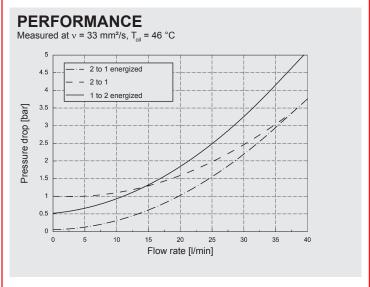
Standard in-line bodies

Code	Part No.	Material	Ports	Pressure
FH082-SB3	560919	Steel, zinc-plated	3/8 BSP	420 bar
FH082-AB3	3011423	Aluminium, clear anodized	3/8 BSP	210 bar

Other bodies on request

Seal kits

Model code	Material	Part No.
FS082-N SEAL KIT	NBR	3033920
FS082-V SEAL KIT	FKM	3051756



NOTE

The information in this brochure relates to the operating conditions and applications

described.
For applications or operating conditions not described, please contact the relevant technical department. Subject to technical modifications.

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