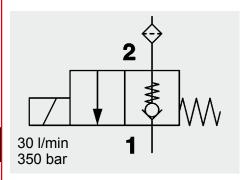
# YPAC INTERNATIONAL



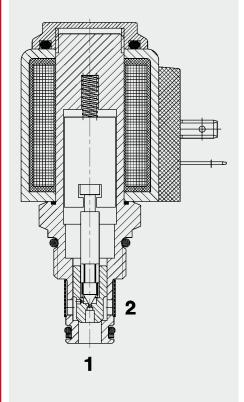
# 2/2 Solenoid Directional Valve UNF Poppet Type, Pilot-Operated Normally Closed Screen Filter SAE-08 Cartridge – 350 bar

WS08Z-30

# **FUNCTION**

# **FEATURES**

- Excellent switching performance by high power HYDAC solenoid
- Hardened and ground internal valve components to ensure minimal wear and extended service life
- External surfaces zinc-plated and corrosion-proof
- Wide variety of connectors available
- Low pressure drop due to CFD optimized flow path
- In flow direction 2 to 1 internal valve parts protected against coarse contamination by screen filter

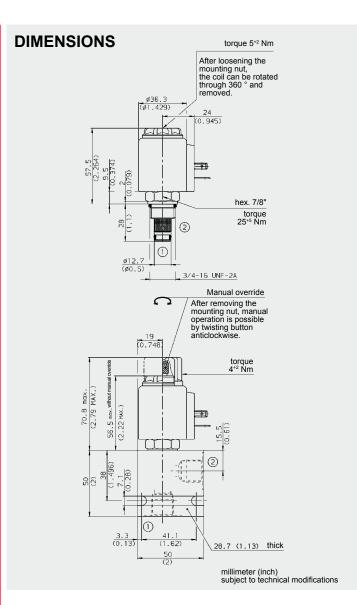


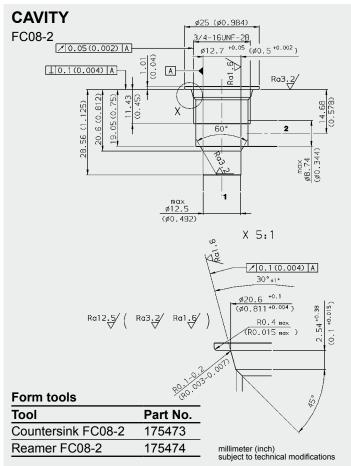
#### **SPECIFICATIONS**

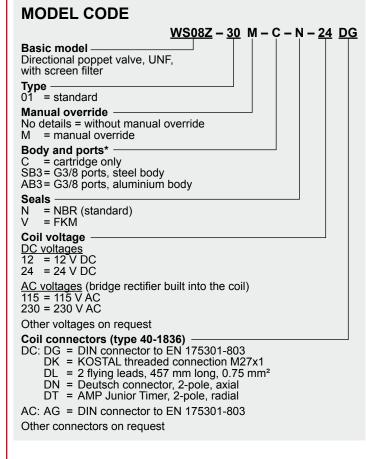
<u></u>				
Operating pressure:	max. 350 bar			
Nominal flow:	max. 30 l/min	max. 30 l/min		
Leakage:	Leak-free			
	(max. 5 drops ≘ 0,25 cm³/min at 350 bar)			
Media operating temperature range:		min20 °C to max. +100 °C		
Ambient temperature range:	=	min20 °C to max. 60 °C		
Operating fluid:		Hydraulic oil to DIN 51524 Part 1 and 2		
Viscosity range:		min. 7.4 mm <sup>2</sup> /s to max. 420 mm <sup>2</sup> /s		
Filtration:	Class 21/19/16 cleaner	Class 21/19/16 according to ISO 4406 or cleaner		
Screen filter:	300 µm mesh s	300 µm mesh size		
MTTF <sub>d</sub> :	150 years (see "Conditions and instructions for valves" in brochure 5.300)			
Installation:	No orientation r	No orientation restrictions		
Materials:	Valve body:	free-cutting steel		
	Poppet:	hardened and ground steel		
	Seals:	NBR (standard) FKM (optional, media temperature range -20 °C to +120 °C)		
	Back-up rings:	PTFE		
	Coil:	steel / polyamide		
Cavity:	FC08-2			
Weight:	Valve complete	0.33 kg		
•	Coil only	0.19 kg		
Electrical data:	•			
Coil duty rating:		Continuous up to max. 115% of the nominal voltage at 60 °C ambient temperature		
Current draw at 20 °C:	1.5 A at 12 V DC 0.8 A at 24 V DC			
Voltage tolerance:	± 15% of the nominal voltage			
Response time:	Energized:	approx. 35 ms		
	De-energized:	approx. 50 ms		
Coil type:	Coil40-1836			

When the solenoid coil is not energized, the valve is closed from port 2 to port 1. Flow is permitted from port 1 to port 2.

When energized, there is free flow through the valve from port 2 to 1. Flow from port 1 to 2 is prevented.







#### Standard models

Model code	Part No.
WS08Z-30-C-N-24DG	3132859
WS08Z-30-C-N-230AG	3132860

#### \*Standard in-line bodies

Code	Part No.	Material	Ports	Pressure
FH082-SB3	560919	Steel, zinc-plated	G3/8	420 bar
FH082-AB3	3011423	Aluminium, anodized	G3/8	210 bar

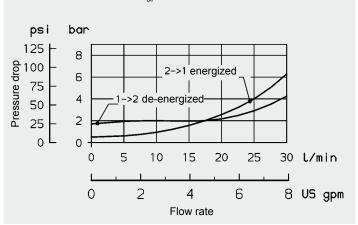
Other line bodies on request

### Seal kits

Code	Material	Part No.
FS082-N SEAL KIT	NBR	3033920
FS082-V SEAL KIT	NBR	3051756

# PERFORMANCE

Measured at  $v = 33 \text{ mm}^2/\text{s}$ ,  $T_{oil} = 46 ^{\circ}\text{C}$ 



# 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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