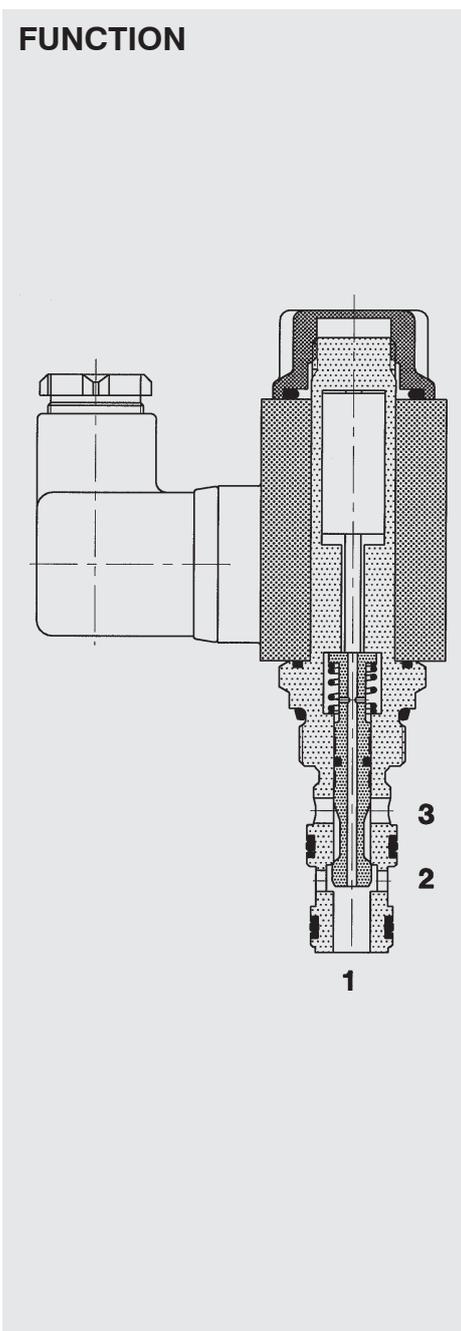


3/2 directional seat valve direct operated cartridge valve - 350 bar

WSED08130-04

FUNCTION



When the solenoid coil is not energized, port 3 is closed. There is free flow through the valve from port 1 to port 2.

When the solenoid coil is energized port 1 is closed. There is free flow through the valve from port 2 to port 3.

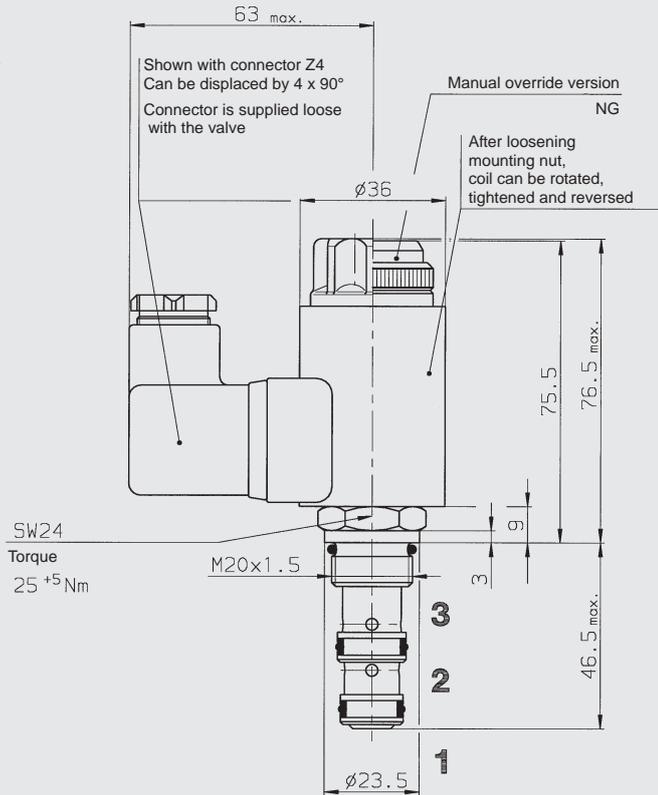
GENERAL

- Long life and low noise level due to oil-immersed solenoid armature
- Electro-magnetic actuation available in all standard international DC and AC voltages and many electrical connection types available.
- Minimal wear and long life due to hardened and ground control elements.
- In the closed position the flow paths are shut off by means of a cone seat.
- Solenoid coils can be rotated through 360° and exchanged without opening the hydraulic system.
- Compact construction enables space-saving installation in connection housings and control blocks.

SPECIFICATIONS

Operating pressure:	max. 350 bar
Flow rate:	max. 20 l/min
Internal leakage:	leakage-free (less than 3 drops/min at 350 bar)
Temperature range of operating fluid:	-20 °C to +80 °C
Ambient temperature range:	-20 °C to +40 °C
Type of voltage:	DC solenoid, AC voltage is rectified using bridge rectifier connector
Nominal voltage (at 20 °C):	2 A at 12 V DC 1.04 A at 24 V DC 0.125 A at 230 V AC
Voltage tolerance:	-5% to +10% of nominal voltage
Switch-on time:	100% (continuous) up to max. 115% of the nominal voltage at 60 °C ambient temperature
Switching time:	approx. 30 to 50 ms (depending on pressure and flow rate)
Operating fluid:	hydraulic oil to DIN 51524 Part 1 and 2
Viscosity range:	10 mm ² /s to 420 mm ² /s is recommended
Filtration:	max. permissible contamination level of the operating fluid to ISO 4406 Class 21/19/16 or cleaner
Mounting position:	optional
Materials:	valve body: high tensile steel closing elements: hardened and ground steel seals: FPM and PTFE
Installation dimensions:	08130
Mass:	0.45 kg (complete with solenoid coil)

DIMENSIONS



MODEL CODE

WSE D 08130 - 04 X - G 24 - Z4 - N

Designation

Directional seat valve, electr. actuated

Function code

Installation dimensions
08130 = 3 way cavity

Type

04 = standard model

Series

determined by manufacturer

Type of voltage for actuating solenoid

G = DC voltage

W = AC voltage (connector with bridge rectifier)

Nominal voltage for actuating solenoid

12 = 12 Volt

24 = 24 Volt

230 = 230 Volt 50/60 Hz AC (for voltage type W)

other voltages on request

Electrical connection types of actuating solenoid

No details = with plug to EN 175301-803

K = with KOSTAL threaded con. M27x1 (for nom. volt. up to 24 VDC)

T = with 2-pole AMP Junior timer plug (for nom. volt. up to 48 VDC)

L = with flying leads, 110 mm long 0.75 mm² cable cross section (for nominal voltages up to 48 VDC)

Connectors for the electrical connection

No details = without connector

Z4 = connector to EN 175301-803-A002F

Z5 = large connector

Z5L = large connector with light

Z27 = KOSTAL connector

Only available if type K solenoid is ordered

Manual override

No details = without manual override

N = pin-type operation (bore Ø5)

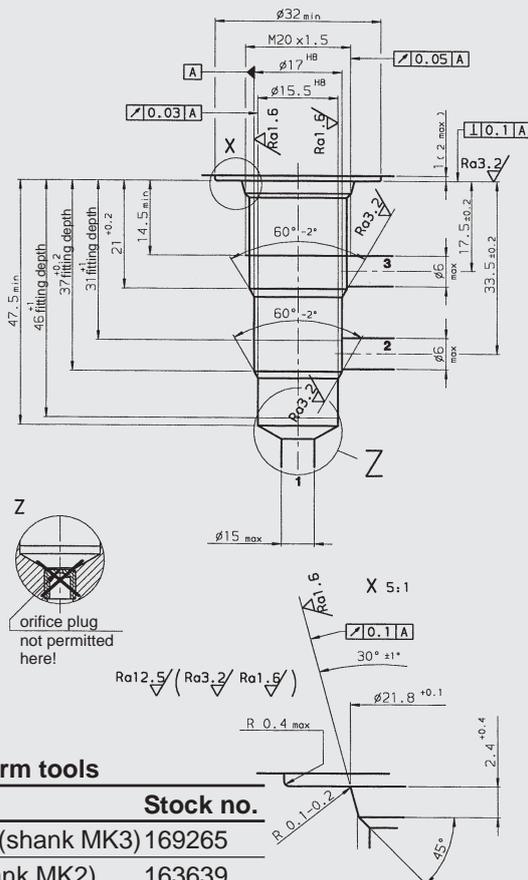
NG = without tool (thumb pressure - rubber cap)

Standard models

Model code	Stock no.
WSED08130-04X-G24-Z4	479709
WSED08130-04X-W230-Z4	551155

CAVITY

08130

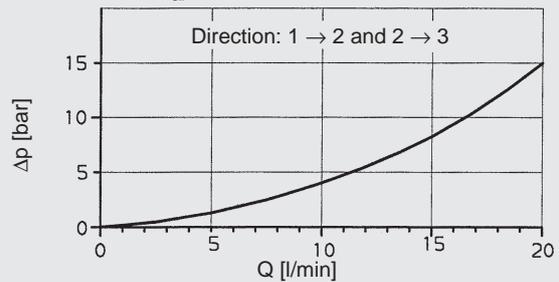


Cartridge form tools

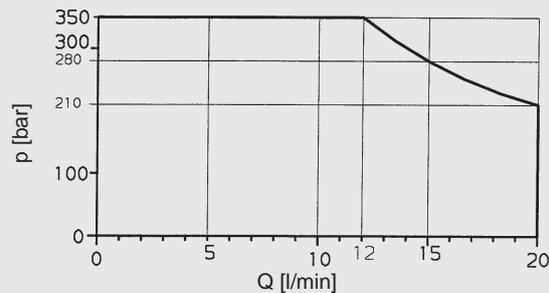
Tool	Stock no.
Countersink (shank MK3)	169265
Reamer (shank MK2)	163639

PRESSURE DROP

T_{oil} = 46 °C, oil viscosity = 34 cSt



OPERATING LIMITS



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.

HYDAC Fluidtechnik GmbH

Justus-von-Liebig-Str.
D-66280 Sulzbach/Saar
Tel: 0 68 97 /509-01
Telefax: 0 68 97 /509-598
E-Mail: flutec@hydac.com