

DIRECTIONAL CONTROL BANKABLE VALVE



- Directional control bankable valve CD5 with single or double solenoid.
- Centring achieved by means of calibrated length springs which immediately reposition the spool in the neutral position when the electrical signal is shut off.
 - Emergency control.
 - Threaded ports sizes G1/2"
 - Coils protection IP66
 - Standard connectors DIN 43650 ISO 4400 and Deutsch
 - Maximum flow until 80 l/min.
 - Cast iron zinc plated body.

ORDERING CODE

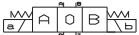
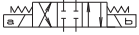



CD	Directional control bankable valve
5	Size
N	Body parallel, ports G1/2"
E	Electrical operator
**	Spool (tab.2)
*	Mounting (tab.3)
*	Voltage (tab.4)
**	Variants (tab.5)
1	Serial No.






FEATURES






Max. pressure ports P/A/B/T	310 bar
Max. pressure port T	250 bar
Max. Flow	80 l/min
Max excitation frequency	3 Hz
Duty cycle	100% ED
Hydraulic fluid	DIN 51524 Mineral oils
Fluid viscosity	10 ÷ 500 mm ² /s
Fluid temperature	-25°C ÷ 75°C
Ambient temperature	-25°C ÷ 60°C
Max. contamination level (filter β ₂₅ ≥ 75)	ISO 4406:1999: class 21/19/16 NAS 1638: class 10
Weight with one solenoid	2.68 kg
Weight with two solenoids	3.07 kg

ORDERING CODE




Tab.1 - Standard spools

Two solenoids, spring centred "C" Mounting			
Code		Covering	Transient position
01		+	
03		+	

One solenoid, side A "E" Mounting			
Code		Covering	Transient position
01		+	
03		+	

One solenoid, side B "F" Mounting			
Code		Covering	Transient position
01		+	
03		+	

Tab.2 - Mounting

Code	Symbol
C	
E	
F	

Tab.3 - 40W coils D15 voltage (1)

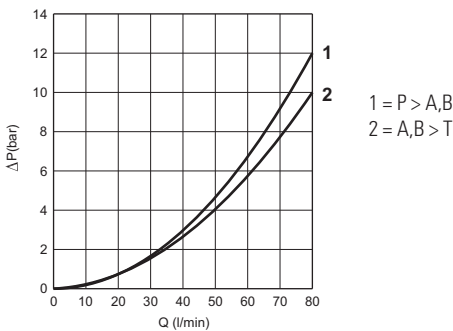
Code	Voltage	Max. winding temperature (Ambient temperature 25°C)	Rated power W	Resistance @ 20°C (Ohm) ±10%
L	12 Vdc	135 °C	40	3.6
M	24 Vdc	135 °C	40	14.4
W (2)	Without coils			

Tab.4 - Variants (1 - 4)

Code	Variant
S1	No variant
SV	Viton
ES	Emergency button (see page 87)
P2 (3)	Rotary emergency button (see page 87)
R5 (3)	Rotary emergency b. 180° (see page 87)
CZ	Deutsch DT04-2P - 40W connection (see page 108)

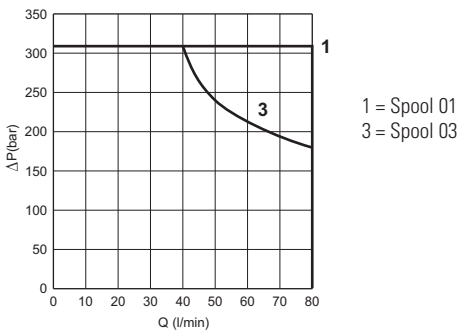
- (1) Connector to be ordered separately, see page 103
Coils technical data, see page 108
Voltage codes are not stamped on the plate, their are readable on the coils
(2) Performance are guaranteed only using valves completed with coil
(3) Tightening torque max. 6÷9 Nm (CH n. 22)
(4) Other variants available on request

PRESSURE DROPS



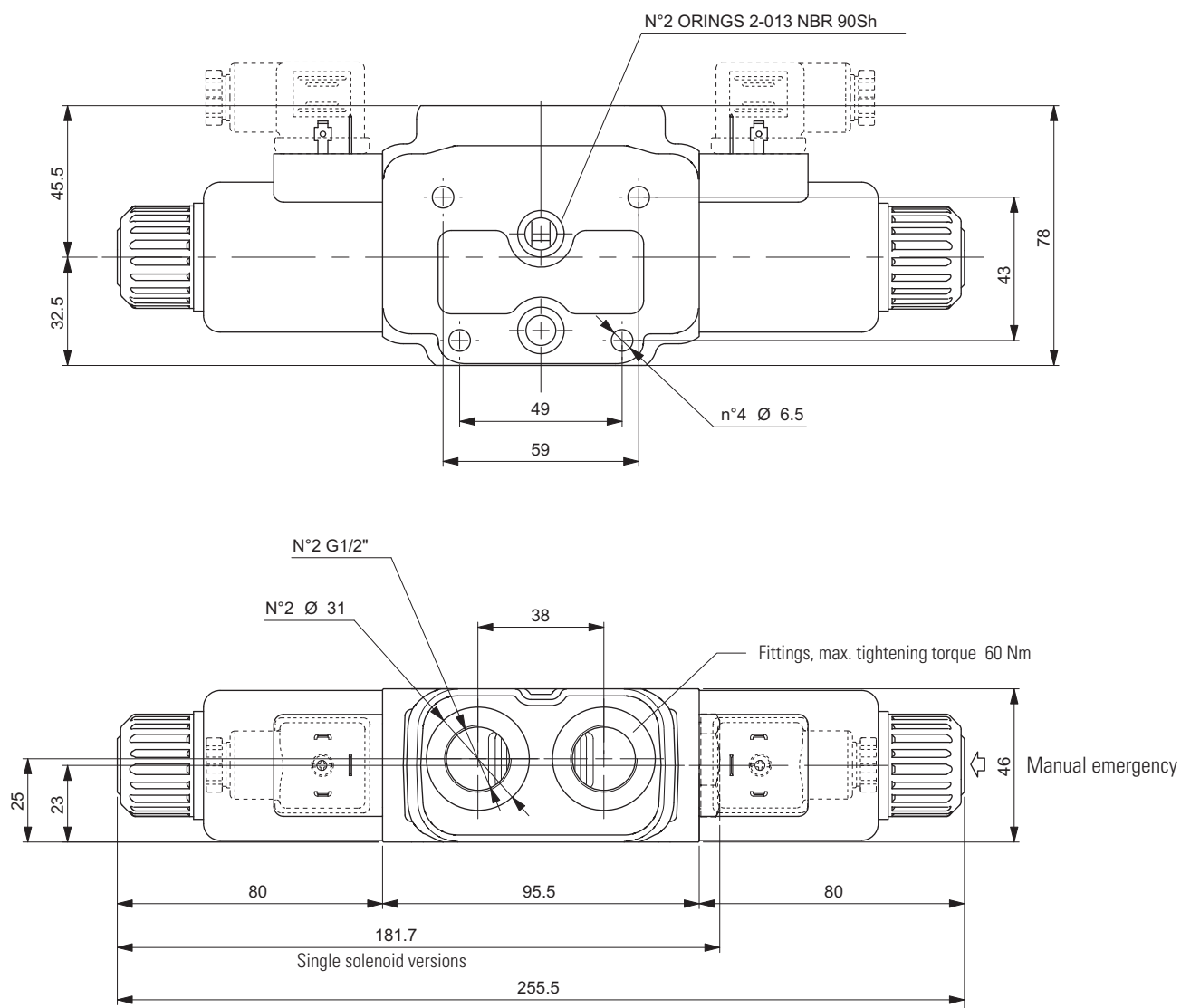
The diagram at the side shows the pressure drop curves for spools during normal usage.
The fluid used is a mineral oil with a viscosity of 46 mm²/s at 40 C°; the tests have been carried out at a fluid temperature of 40 C°.

LIMITS OF USE



The tests have been carried out with solenoids at operating temperature and a voltage 10% less than rated voltage with a fluid temperature of 50 C°. The fluid used was a mineral oil with a viscosity of 46 mm²/s at 40 degrees C.
Spool 01: in neutral position can have leaks.

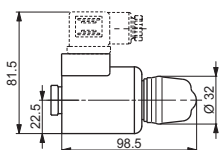
OVERALL DIMENSIONS



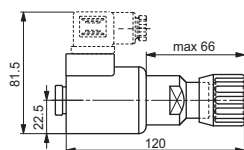
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VARIANTS

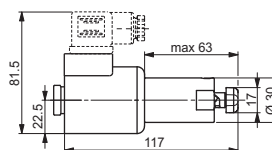
"ES"
Manual emergency



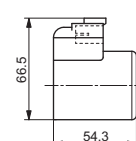
"P2"
Rotary emergency



"R5"
Rotary emergency 180°



"CZ" Deutsch DT04-2P
"R6" Deutsch DT04-2P eCoat treatment



Emergency P2 and P5, tightening torque max. 6÷9 Nm (CH n. 22)