

APPLICATION

Constant flow direction valve type **UZFC6...** is used to set fluid flow direction on outlet from **A** to **B** independent of supply direction on inlet **A1**; **B1**. The valves are mounted under flow control valve type **UDRD6...** according to catalogue card **WK 420 020** or equivalent valve with **CETOP 03** connection.

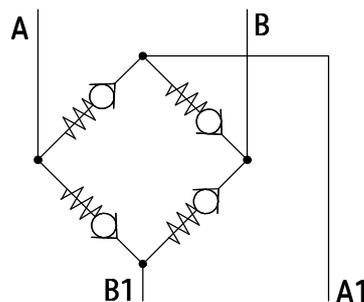


TECHNICAL DATA

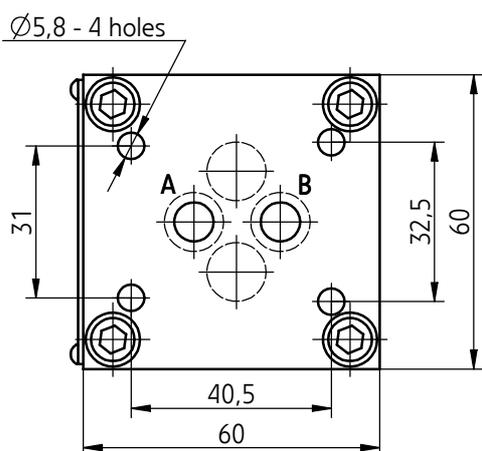
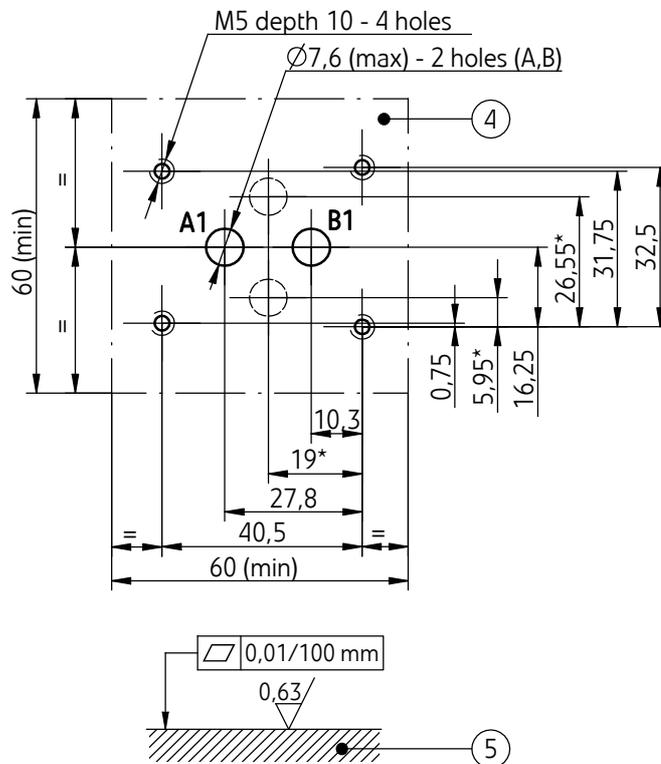
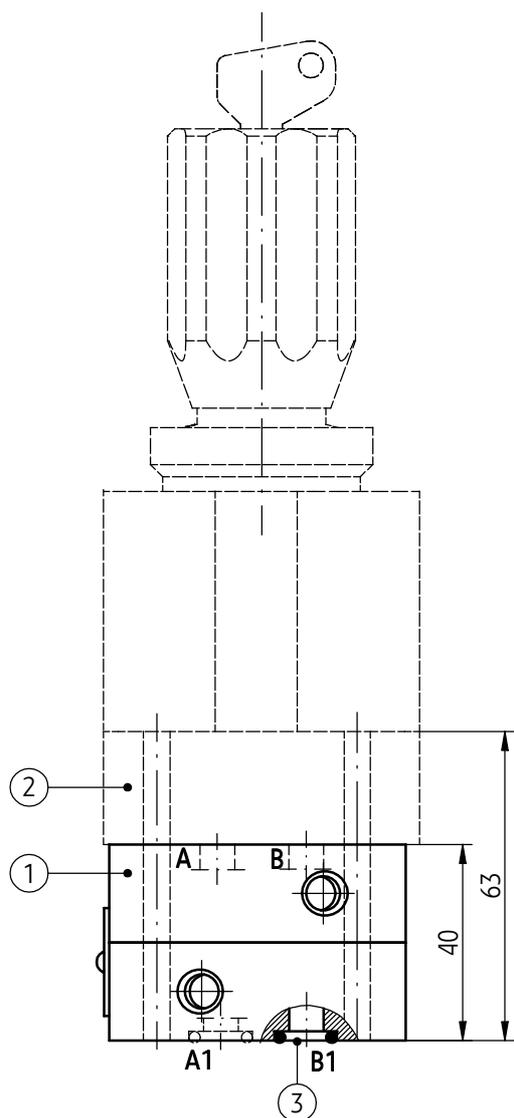
Hydraulic fluid	mineral oil	
Required filtration	up to 16 μm	
Recommended filtration	up to 10 μm	
Nominal fluid viscosity	37 mm ² /s at temperature 55 °C	
Viscosity range	2,8 up to 380 mm ² /s	
Fluid temperature range (in a tank)	advisable	40°C up to 55°C
	max	-20°C up to +70°C
Ambient temperature range	- 20°C up to +70°C	
Maximum operating pressure	31,5 MPa	
Check valves cracking pressure	0,07 MPa	
Weight	1,4 kg	

SCHEMES

Graphical symbol of the valve type **UZFC6...**



OVERALL AND CONNECTION DIMENSIONS



- 1 - Valve type **UZFC6...**
 - 2 - Flow control valve type **UDRD6** according to catalogue card **WK 420 020**
 - 3 - Seal ring **9,2 x 1,8** - 4 pcs/kit
 - 4 - Plate surface holes configuration in accordance with standards:
 - ISO 4401 signature **ISO 4401-03-02-0-94**
 - CETOP RP 121H signature **CETOP 4.2-4-03 (CETOP03)**
 mounting bolts for subplate mounting of the valve **UZFC6** and flow control valve type **UDRD6**: **M5 x 70 -10.9** - 4 pcs/kit in accordance with **PN - EN ISO 4762**; tightening torque **Md = 9 Nm**
- NOTE:**
- (*) - dimensions related to deepening centers (with seal rings pos. 1 - 4 pcs) made-up in the valve body to keep accordance with above-mentioned connections by **CETOP RP 121H, ISO 4401**
- 5 - Admissible surface roughness and flatness deviation for a subplate face

HOW TO ORDER

UZFC	6 /		★
------	-----	--	---

Nominal size (NS) NS6	= 6
Series number (02 - 09) - connection and installation dimensions unchanged series 02	= 0X = 02
Sealing NBR (for fluids on mineral oil base) FKM (for fluids on phosphate ester base)	= no designation = V
Further requirements in dear text (to be agreed with the manufacturer)	

NOTES:

The valve should be ordered according to the above coding.

The symbols in bold are preferred versions in short delivery time.

Coding example: UZFC6/02

SUBPLATES AND MOUNTING BOLTS

Subplates must be ordered according to catalogue card **WK 496 480**. Subplate symbols:

- G 341/01** - threaded connections **G 1/4**
- G 342/01 - threaded connections G 3/8
- G 502/01 - threaded connections G 1/2
- G 341/02 - threaded connections M14 x 1,5
- G 342/02 - threaded connections M16 x 1,5

Subplates and mounting bolts - in case of valve type UZFC6... and flow control valve type UDRD6... subplate mounting:

M5 x 70 - 10.9 - 4 pcs/kit in accordance with **PN - EN ISO 4762** must be ordered separately.
Bolts tightening torque **Md = 9 Nm**

NOTE:

The symbols in bold are preferred versions in short delivery time.

PONAR Wadowice S.A.
ul. Wojska Polskiego 29
34-100 Wadowice
tel. +48 33 488 21 00
fax. +48 33 488 21 03
www.ponar-wadowice.pl

