

APPLICATION

Constant flow direction valve type UZFC10... 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 2FRM10... according to catalogue card WK 450 570.

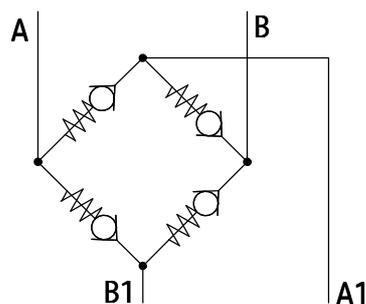


TECHNICAL DATA

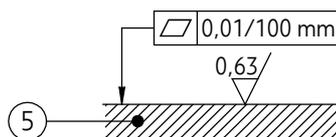
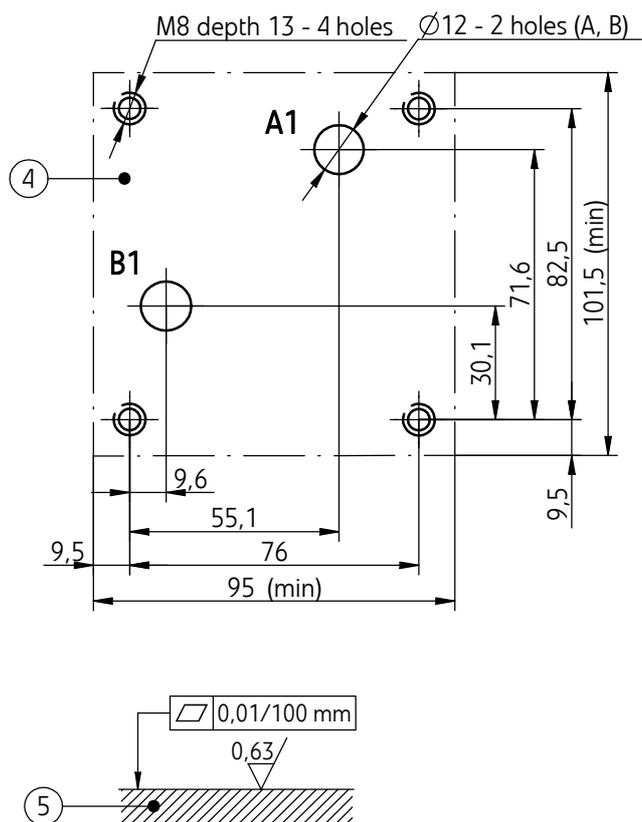
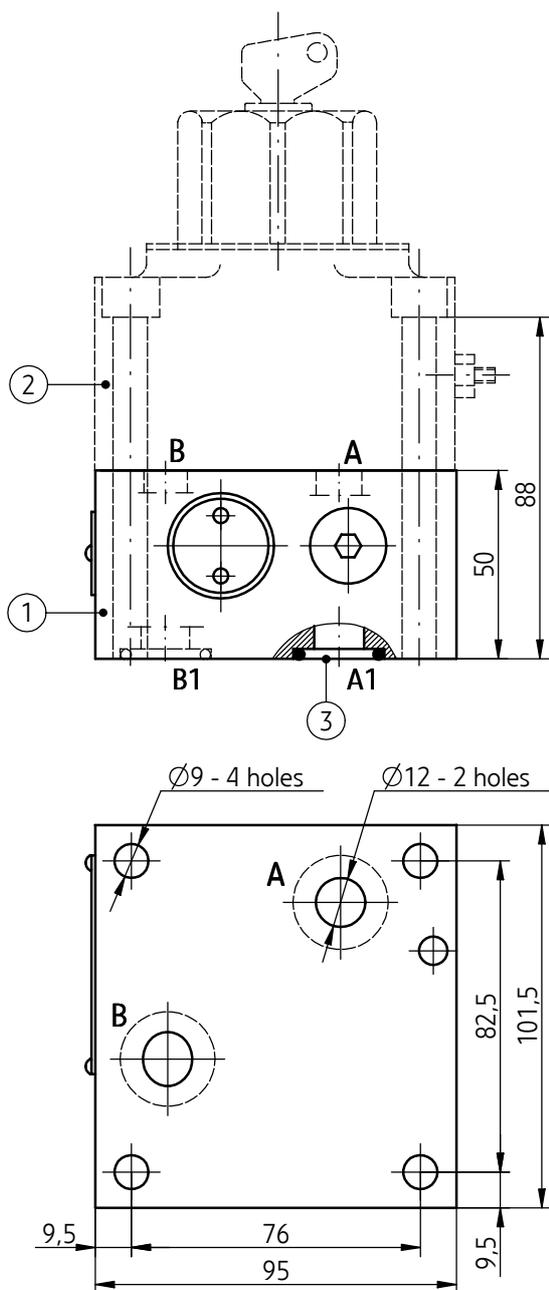
Hydraulic fluid	mineral oil	
Required filtration	up to 16 μm	
Recommended filtration	up to 10 μm	
Nominal fluid viscosity	37 mm ² /s at temperature 55 °C	
Viscosity range	2,8 up to 380 mm ² /s	
Fluid temperature range (in a tank)	advisable	40°C up to 55°C
	max	-20°C up to +70°C
Ambient temperature range	- 20°C up to +70°C	
Maximum operating pressure	31,5 MPa	
Check valves cracking pressure	0,15 MPa	
Weight	3,9 kg	

SCHEMES

Graphical symbol of the valve type UZFC10...



OVERALL AND CONNECTION DIMENSIONS



- 1 - Valve type **UZFC10...NL**
- 2 - Flow control valve type **2FRM10** according to catalogue card **WK 450 570**
- 3 - Seal ring **18,7 x 3,5** - 2 pcs/kit (**A1, B1**)
- 4 - Plate surface holes configuration in accordance with standards:
 - **ISO 6263**
 - **CETOP RP 121H**
 mounting bolts for subplate mounting of the valve type **UZFC10** and flow control valve type **2FRM10**:
M8 x 100 -10.9 in accordance with **PN - EN ISO 4762**
 4 pcs/kit; tightening torque **Md = 35 Nm**
- 5 - Admissible surface roughness and flatness deviation for a subplate face

HOW TO ORDER

UZFC		10 /		*
Nominal size (NS) NS10		= 10		
Series number (20 - 29) - connection and installation dimensions unchanged		= 2X		
series 23		= 23		
Sealing NBR (for fluids on mineral oil base)		= no designation		
FKM (for fluids on phosphate ester base)		= 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: UZFC10/23

SUBPLATES AND MOUNTING BOLTS

Subplates should be ordered according to plate type designation and pipe threaded connections dimensions.

Subplate symbols:

G 279/01 - threaded connections G 1/2

G 280/01 - threaded connections **G 3/4**

Subplates and mounting bolts - in case of valve type **UZFC10...** and flow control valve type **2FRM10...** subplate mounting:

M8 x 100 - 10.9 - 4 pcs/kit in accordance with **PN - EN ISO 4762** must be ordered separately.

Bolts tightening torque **Md = 35 Nm**

NOTE:

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

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