

APPLICATION

Constant flow direction valve type **UZFC10...NL** 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**. The valves are adapted to operating at low temperatures till **-40°C**.

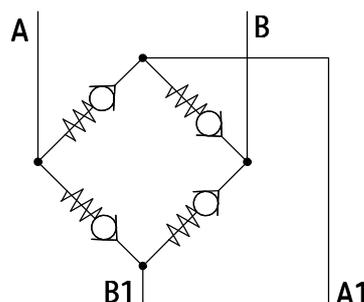


TECHNICAL DATA

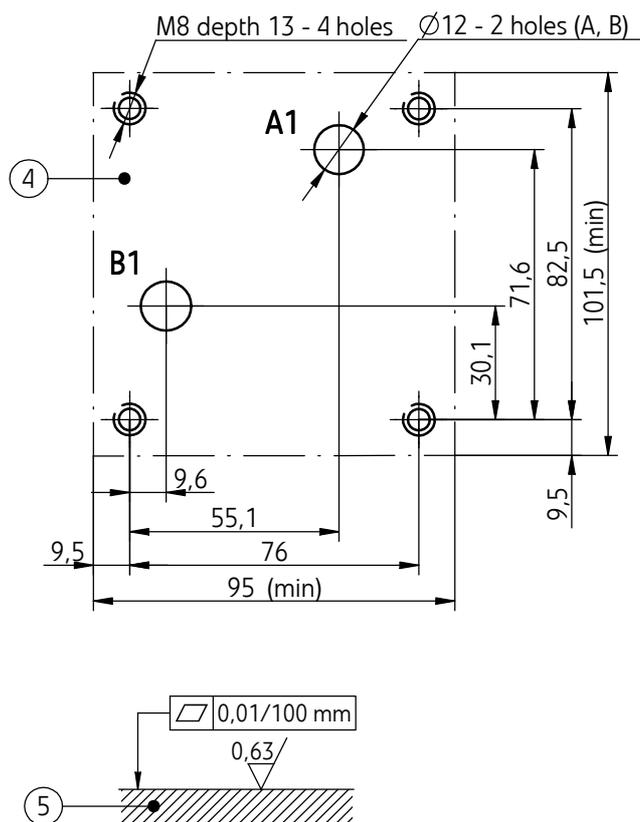
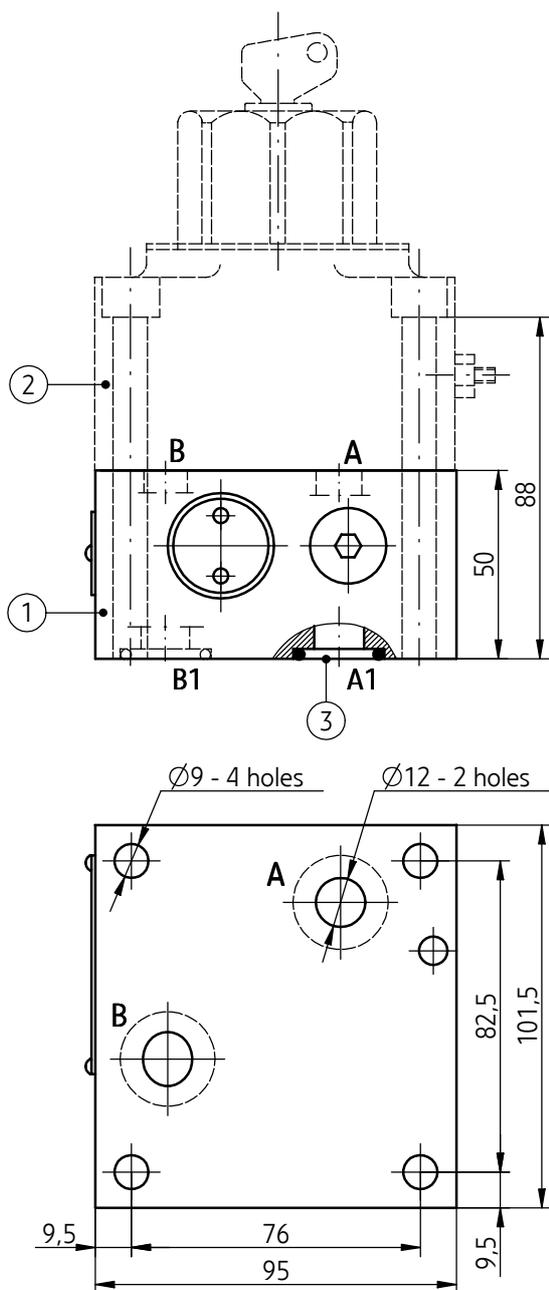
Hydraulic fluid	fluids on mineral oil base
Required filtration	up to 16 μm
Recommended filtration	up to 10 μm
Nominal fluid viscosity	37 mm ² /s at temperature 55 °C
Viscosity range	2,8 up to 380 mm ² /s
Fluid temperature range	-40°C up to +80°C
Ambient temperature range	-40°C up to +80°C
Maximum operating pressure	31,5 MPa
Check valves cracking pressure	0,15 MPa
Weight	3,9 kg

SCHEMES

Graphical symbol of the valve type **UZFC10...NL**



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 **18,64 x 3,53** - material **N7T40** (082 865)
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 /		NL	★
Nominal size (NS) NS10	= 10				
Series number (20 - 29) - connection and installation dimensions unchanged series 23	= 23				
Type operating at low temperatures type	= NL				
Further requirements in dear text (to be agreed with the manufacturer)					

NOTES:

The valve should be ordered according to above coding.
Coding example: UZFC10/23NL

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-NL** 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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