

### APPLICATION

Constant flow direction valve type **UZFC16...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 **2FRM16...** according to catalogue card **WK 450 570**. The valves are adapted to operating at low temperatures till **-40°C**.

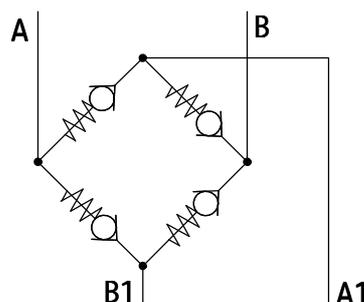


### TECHNICAL DATA

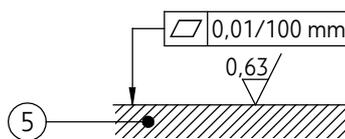
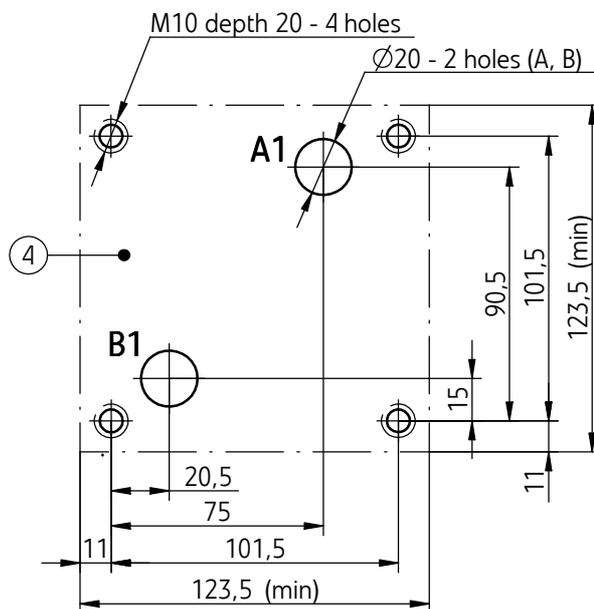
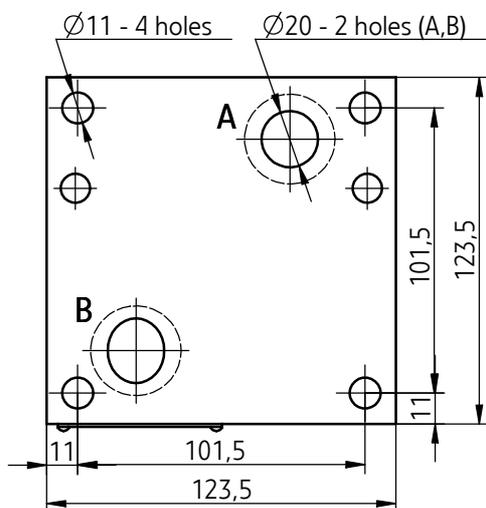
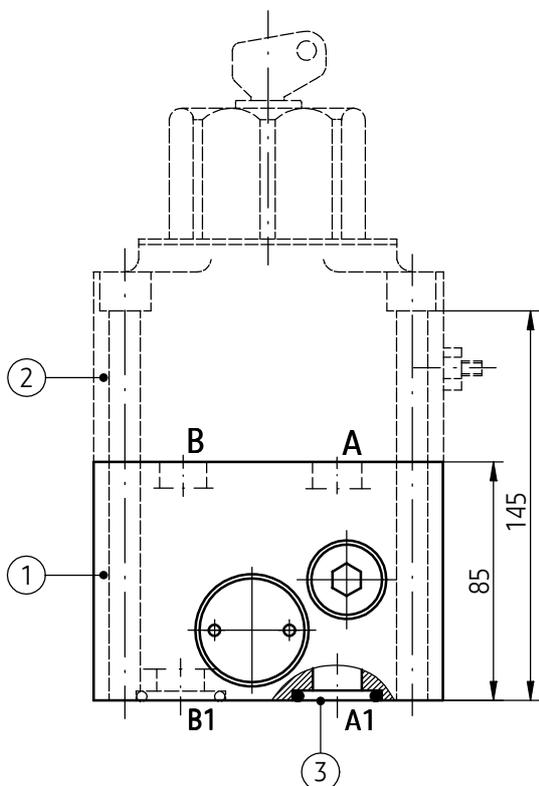
Hydraulic fluid	fluids on mineral oil base
<b>Required filtration</b>	<b>up to 16 µm</b>
Recommended filtration	up to 10 µm
Nominal fluid viscosity	37 mm <sup>2</sup> /s at temperature 55 °C
Viscosity range	2,8 up to 380 mm <sup>2</sup> /s
Fluid temperature range	-40°C up to +80°C
Ambient temperature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

### SCHEMES

Graphical symbol of the valve type **UZFC16...NL**



## OVERALL AND CONNECTION DIMENSIONS



- 1 - Valve type **UZFC16...NL**
- 2 - Flow control valve type **2FRM16** according to catalogue card **WK 450 570**
- 3 - Seal ring **26,6 x 3,5** - material **N7T40** (044 905)  
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 **UZFC16** and flow control valve type **FRM16**:  
**M10 x 160 -10.9** in accordance with **PN - EN ISO 4762**  
 4 pcs/kit tightening torque **Md = 75 Nm**.
- 5 - Admissible surface roughness and flatness deviation for a subplate face

## HOW TO ORDER

	<b>UZFC</b>	<b>16</b> /	<b>NL</b>	<b>★</b>
<b>Nominal size (NS)</b> <b>NS16</b>	<b>= 16</b>			
<b>Series number</b> (20 - 29) - connection and installation dimensions unchanged <b>series 23</b>	<b>= 23</b>			
<b>Type</b> <b>operating at low temperatures type</b>	<b>= NL</b>			
Further requirements in dear text (to be agreed with the manufacturer)				

### NOTES:

The valve should be ordered according to above coding.  
Coding example: UZFC16/23NL

## SUBPLATES AND MOUNTING BOLTS

Subplates should be ordered according to plate type designation and pipe threaded connectors dimensions.  
Subplate symbols:

G 281/01 - threaded connections G 1

**G 282/01** - threaded connections **G 1 1/4**

Subplates and mounting bolts - in case of valve type **UZFC16-NL** and flow control valve type **2FRM16** subplate mounting:

**M10 x 160 - 10.9** - 4 pcs/kit in accordance with **PN - EN ISO 4762** must be ordered separately.

Bolts tightening torque **Md = 75 Nm**

### NOTE:

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

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