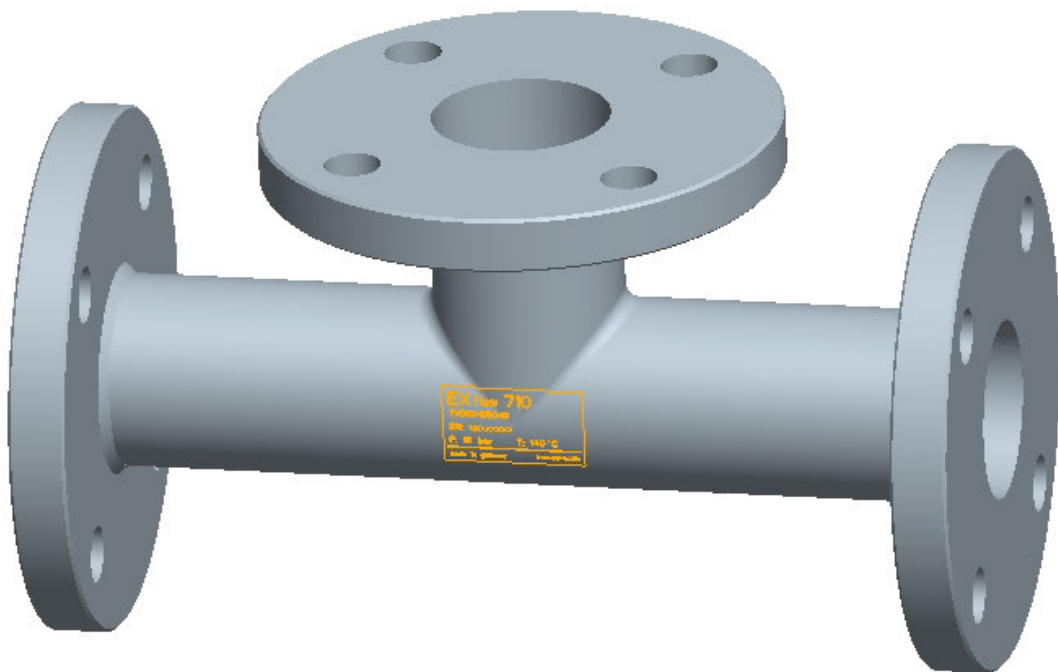


EXNER PROCESS EQUIPMENT



EXFLOW

Flow unit
Technical Information

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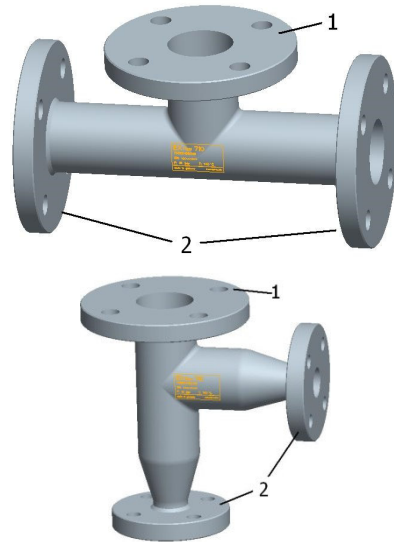
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1 Product description

1.1 Flow unit EXFLOW

Components



1 Unit connection

2 Process connection

Fig. 1: Flow unit EXFLOW

Variants To integrate the flow unit EXFLOW into the process, you can choose between different process connections, flow directions (90° or 180°) and nominal widths. To cope the diverse process characteristics, the flow unit EXFLOW is made of stainless steel or plastic.

1.2 Process integration

Unit / sensor The flow unit EXFLOW is integrated into the process pipe and houses a unit in which the sensor is built in.

Transmitter The sensor is connected to a transmitter and can thus transfer its measuring results.

Process control system The transmitter can be connected with a process control system.

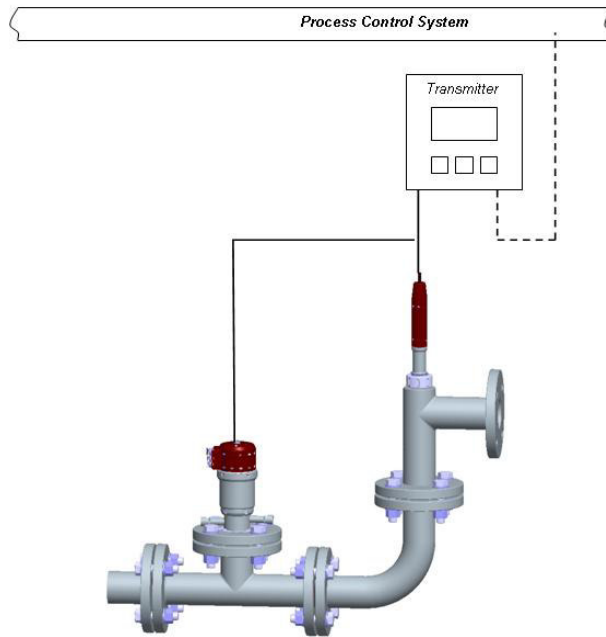


Fig. 2: Flow unit EXFLOW

Pressure
Temperature

The pressure and the temperature conditions of the process are relevant for choosing the suitable flow unit. Depending on the temperature, the flow unit of stainless steel can be used up to a pressure of 16 bar, the flow unit of plastic up to a pressure of 6 bar. The process temperature must lie between -10 °C and 140 °C.



Pay attention to the pressure and temperature diagrams!

Installation
position

Principally, the unit may be installed in any position. In order to get reliable measuring results, the characteristics of the chosen sensor are relevant.

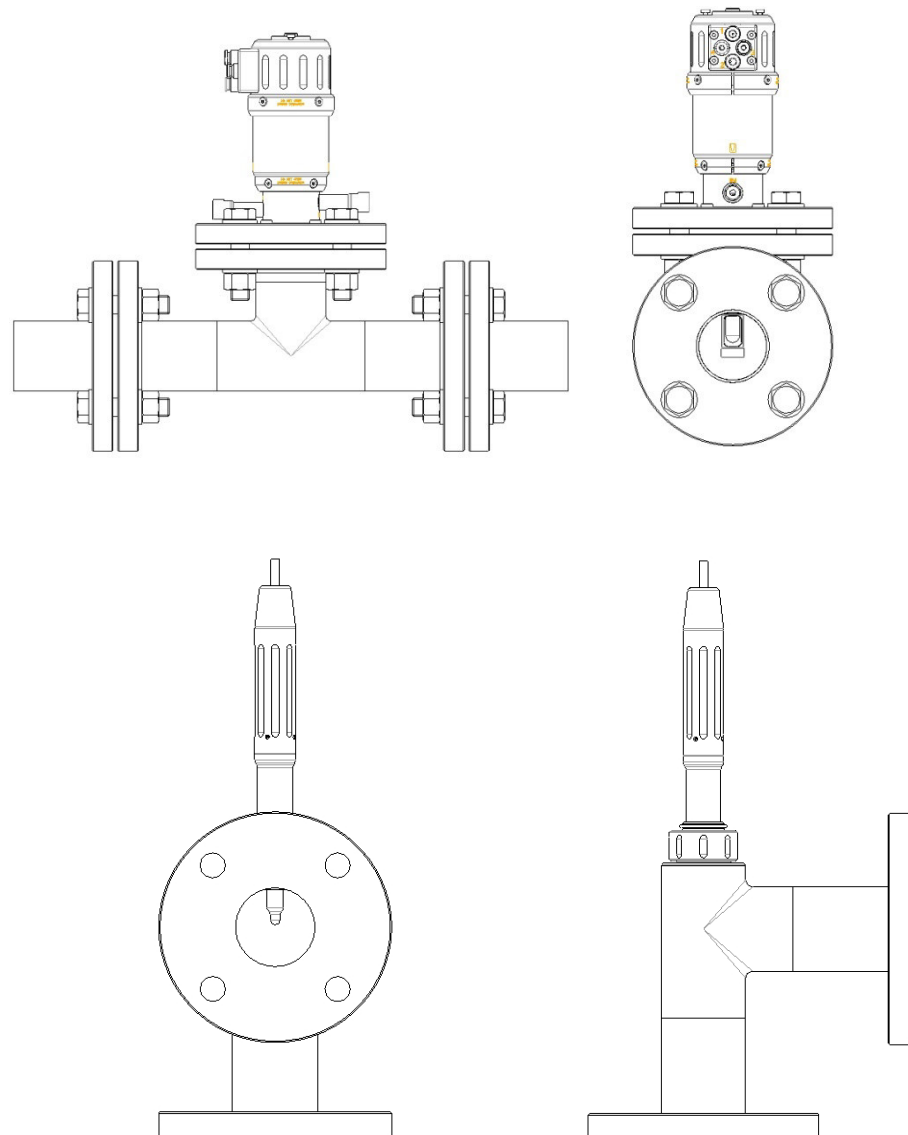


Fig. 3: Flow unit EXFLOW

Total measuring position

Combine the flow unit EXFLOW with suitable installation units in order to get a complete measuring unit. Thus, you obtain optimal measuring results.

2 Technical specifications

2.1 Standards

Pressure equipment directive

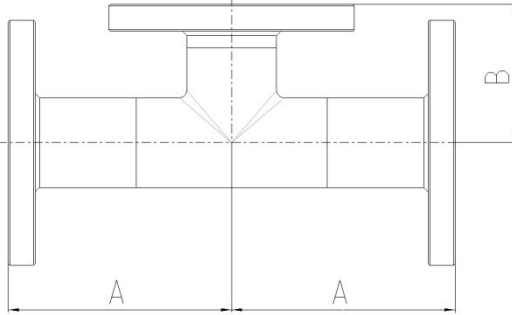
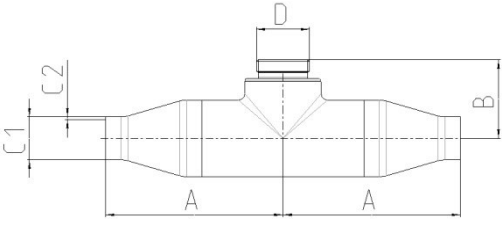
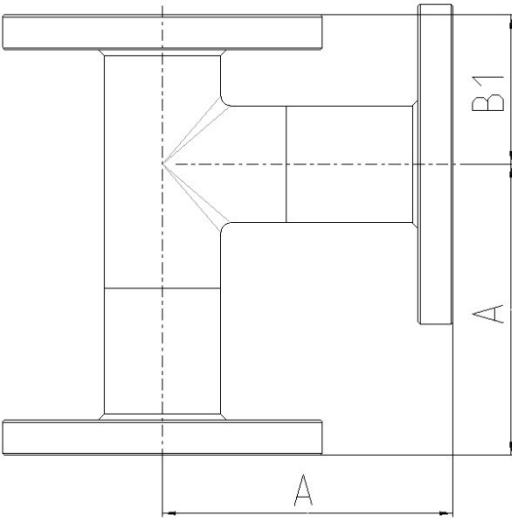
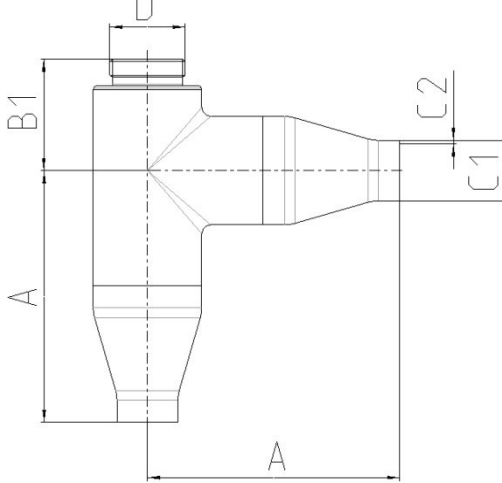
2.2 Material properties

Wetted components			
Unit			
EXFLOW	Stainless steel		Plastic
710	1.4571/316TI	1.4571/316TI lined with ETFE	
720			PVDF

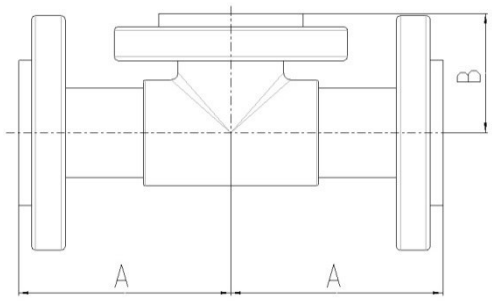
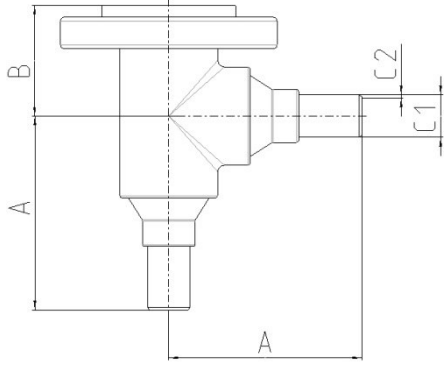
!!!

Pay attention to the pressure and temperature diagrams!

2.3 Dimensions EXFLOW 710

Dimensions EXFLOW 710								
	Process Connection Flange				Process Connection Welding pipe			
	DN25 / ANSI 1"		DN50 / ANSI 2"		DN25 / 1"		DN50 / 2"	
180°								
								
90°								
	Holder Connection Flange DN50 / ANSI 2"				Holder Connection G1 1/4"			
Dimensions	DN25	ANSI 1"	DN50	ANSI 2"	DN25	1"	DN50	2"
A [mm]	150	150	150	150	140	140	137	137
B [mm]	93	93	93	93	62	62	62	62
B1 [mm]	77	77	77	77	62	62	62	62
C1 [mm]	-	-	-	-	33.7	33.7	60.3	60.3
C2 [mm]	-	-	-	-	2	2	2	2
D [mm]	G1 1/4	G1 1/4	G1 1/4	G1 1/4	G1 1/4	G1 1/4	G1 1/4	G1 1/4

2.4 Dimensions EXFLOW 720

Dimensions EXFLOW 720								
	Process Connection Flange				Process Connection Welding pipe			
	DN25 / ANSI 1"		DN50 / ANSI 2"		DN25 / 1"		DN50 / 2"	
180° 90°								
Dimensions	DN25	ANSI 1"	DN50	ANSI 2"	DN25	1"	DN50	2"
A [mm]	150	150	150	150	147	147	147	147
B [mm]	84	84	84	84	84	84	84	84
C1 [mm]	-	-	-	-	32	32	63	63
C2 [mm]	-	-	-	-	2.4	2.4	2	2

2.5 Process conditions EXFLOW 710

max. permissible pressure PS: 16 bar

max. permissible temperature TS: 140 °C

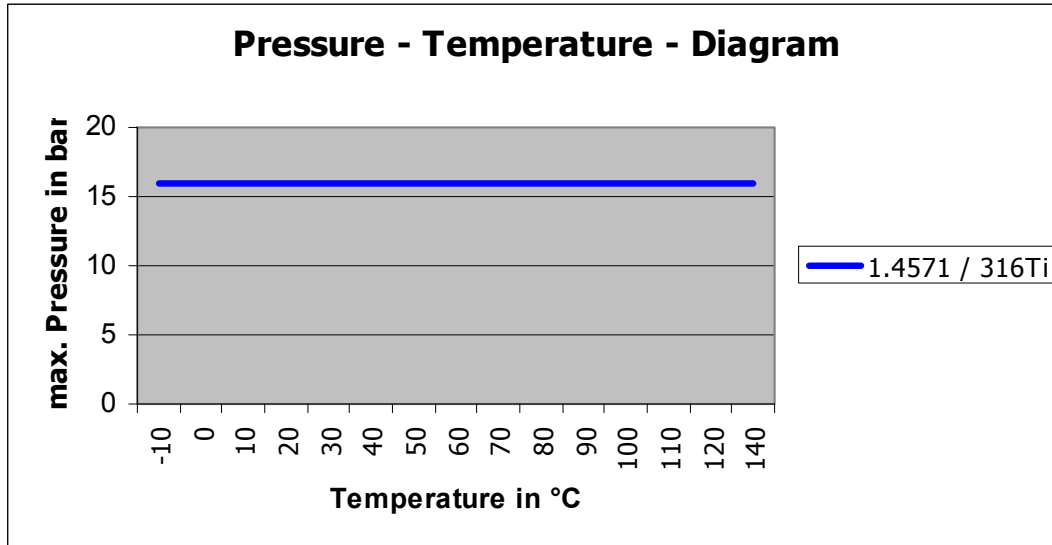


Fig. 4: Pressure-temperature-diagram of EXFLOW 710

2.6 Process conditions EXFLOW 720

max. permissible pressure PS 6 bar

max. permissible temperature TS 120 °C

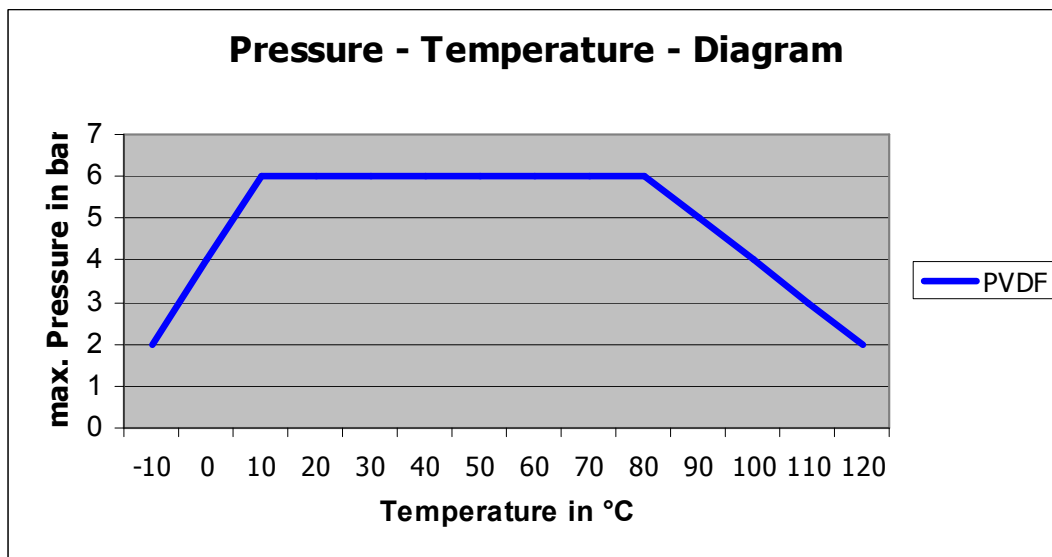


Fig. 5: Pressure-temperature-diagram of EXFLOW 720

2.7 Order structure EXFLOW 710

Flow unit EXFLOW 710																	
Code	Material																
71	Stainless steel, 1.4571 / 16TiL																
ET	Stainless steel 1.4571 /316 Ti ETFE lined																
X	Special version																
	<table border="1"> <thead> <tr> <th>Code</th> <th>Process connection</th> </tr> </thead> <tbody> <tr> <td>D25</td> <td>Flange DIN 25</td> </tr> <tr> <td>D50</td> <td>Flange DIN 50</td> </tr> <tr> <td>A10</td> <td>Flange ANSI 1"</td> </tr> <tr> <td>A20</td> <td>Flange ANSI 2"</td> </tr> <tr> <td>W25</td> <td>Weld end DN25 / 1"</td> </tr> <tr> <td>W50</td> <td>Weld end DN50 / 2"</td> </tr> <tr> <td>XXX</td> <td>Special version</td> </tr> </tbody> </table>	Code	Process connection	D25	Flange DIN 25	D50	Flange DIN 50	A10	Flange ANSI 1"	A20	Flange ANSI 2"	W25	Weld end DN25 / 1"	W50	Weld end DN50 / 2"	XXX	Special version
Code	Process connection																
D25	Flange DIN 25																
D50	Flange DIN 50																
A10	Flange ANSI 1"																
A20	Flange ANSI 2"																
W25	Weld end DN25 / 1"																
W50	Weld end DN50 / 2"																
XXX	Special version																
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Code	Flow direction																
18	180°																
09	90°																
EXFLOW 710	Order number																

2.8 Order structure EXFLOW 720

Flow unit EXFLOW 720						
	Code	Material				
	PV	PVDF				
	X	Special version				
		Code	Process connection			
		D25	Flange DIN 25			
		D50	Flange DIN 50			
		A10	flange ANSI 1"			
		A20	Flange ANSI 2"			
		W25	Weld end DN25 / 1"			
		W50	Weld end DN50 / 2"			
		XXX	Special version			
			Code	Unit connection		
			D50	Flange DN 50		
			A20	Flange ANSI 2"		
			XXX	Special version		
			Code	Flow direction		
			18	180°		
			09	90°		
EXFLOW 720	-	-	-	-	-	Order number

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