EXNER PROCESS EQUIPMENT

EXFLOW

Flow unit
Technical Information

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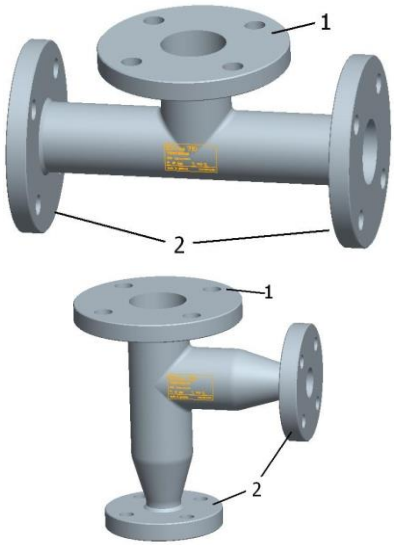
1 Product description

1.1 Flow unit EXFLOW

Components



1 Unit connection

2 Process connection

Fig.: Flow unit EXflow

Variants

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

1.2 Process integration

Unit / sensor

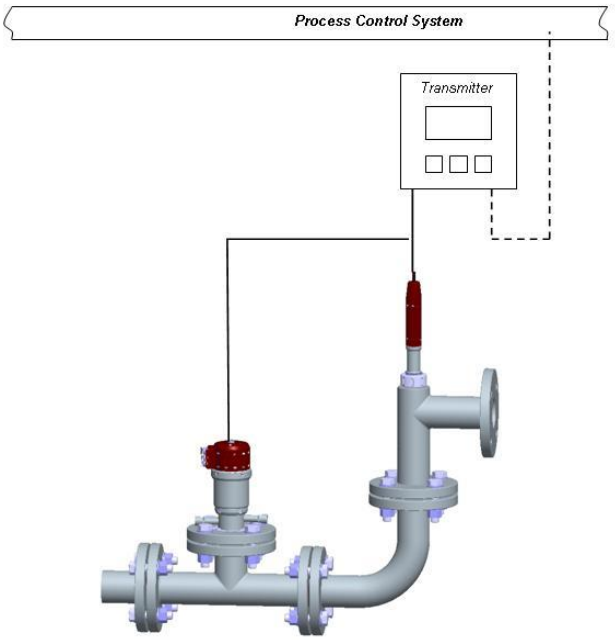
The flow unit EXFLOW is integrated into the process pipe and houses a unit in which the sensor is built in.

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.



Pressure

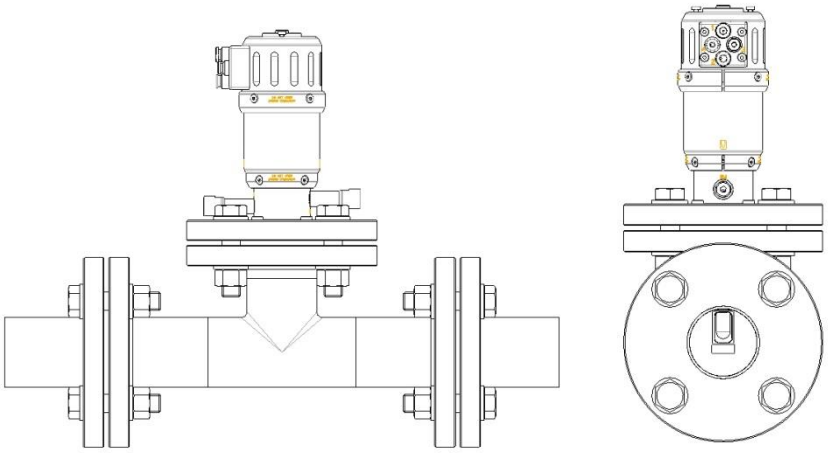
Temperature

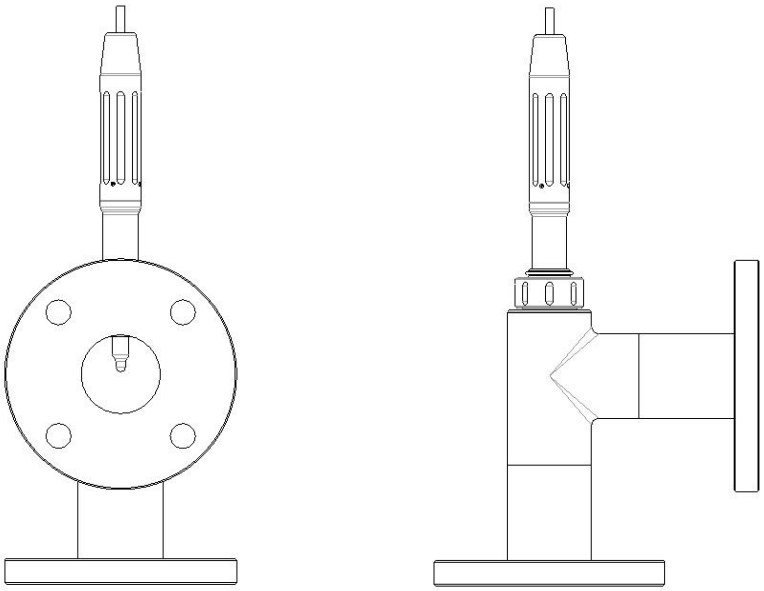
The pressure and the temperature conditions of the process are relevant for choosing the suitable flow unit. Depending on the temperature, the flow unit of stainless steel can be used up to a pressure of 16 bar, the flow unit of plastic can be used up to a pressure of 6 bar. The process temperature must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

!!! Pay attention to the pressure and the 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.





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 data

2.1 Standards

Pressure equipment directive

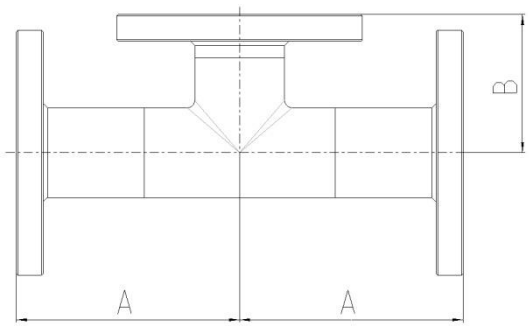
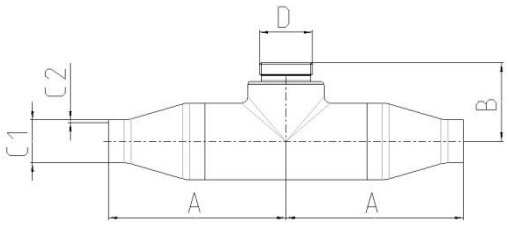
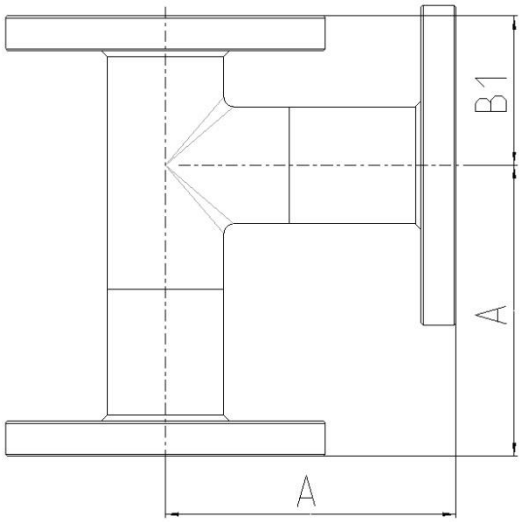
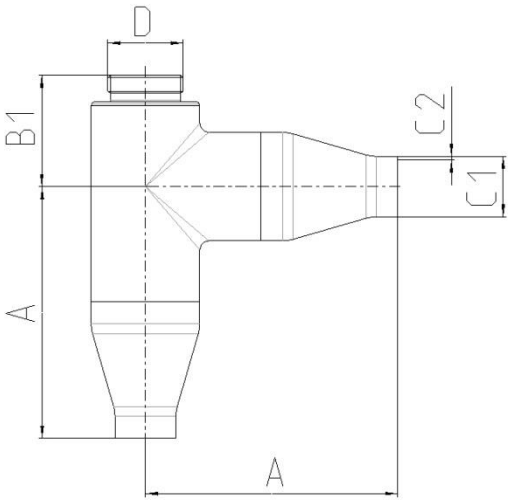
2.2 Material

Components with contact with the medium			
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!

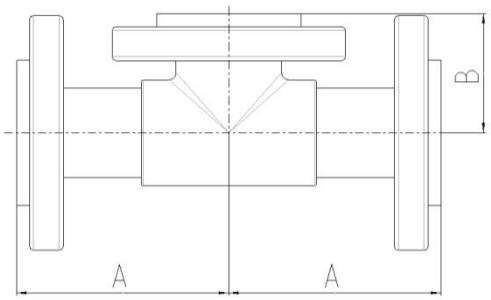
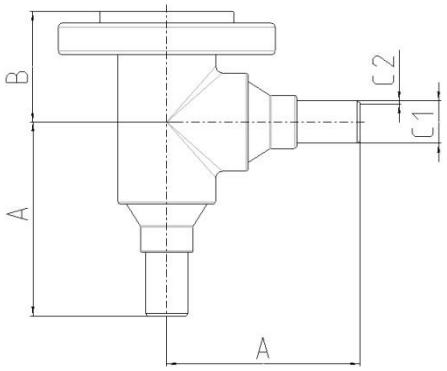
2.3 Dimensions EXflow 710

Dimensions EXFLOW 710

	Process Connection **Flange**		Process Connection **Welding pipe**	
	DN25 / ANSI 1"	**DN50 / ANSI 2"**	**DN25 / 1"**	**DN50 / 2"**
180°				
90°				

Dimensions	Holder Connection **Flange DN50 / ANSI 2"**				**Holder Connection G1 ¼"**			
	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 ¼	G1 ¼	G1 ¼	G1 ¼	G1 ¼	G1 ¼	G1 ¼	G1 ¼

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	Holder Connection **Flange DN50 / ANSI 2"**							
	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

maximally admissible pressure PS: 16 bar

maximally admissible temperature TS: 140 °C

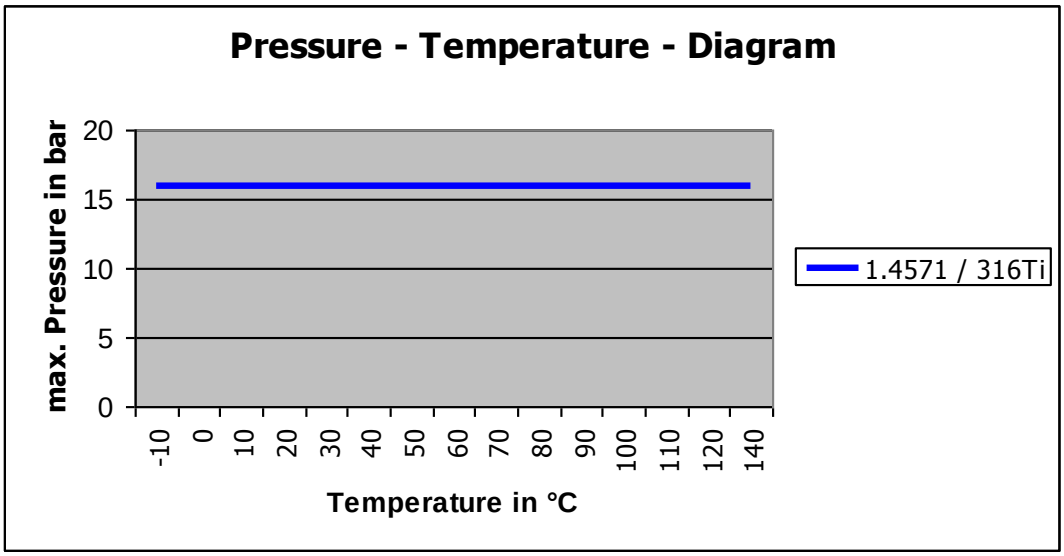


Fig.: Pressure-temperature-diagram of EXFLOW 710

2.6 Process conditions EXFLOW 720

maximally admissible pressure PS 6 bar

maximally admissible temperature TS 140° C

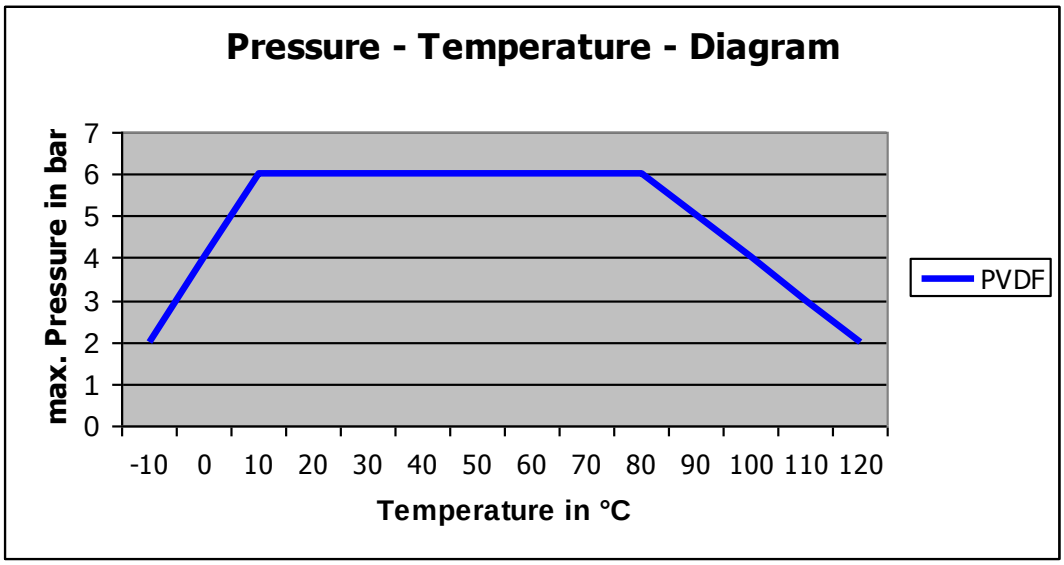


Fig.: Pressure-temperature-diagram of EXFLOW 720

2.7 Order structure EXflow 710

Flow unit EXFLOW 710

Design.	Material
71	stainless steel, 1.4571 / 316TiL
ET	stainless steel 1.4571 /316 Ti ETFE lined
X	special version

Design.	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

Design.	Unit connection
D50	flange DN 50
A20	flange ANSI 2"
I25	G 1 ¼" connection (not in connection with the material ET)
XXX	special version

Design.	Flow direction
18	180°
09	90°

EXFLOW 710		-		-		-		Order number

2.8 Order structure EXflow 720

Flow unit EXFLOW 720

Design.	Material
PV	PVDF
X	special version

Design.	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

Design.	Unit connection
D50	flange DN 50
A20	flange ANSI 2"
XXX	special version

Design.	Flow direction
18	180°
09	90°

EXFLOW 720		-		-		-		Order number

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