TECHNICAL INFORMATION

Flow-through fitting







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1 Technical data

1.1 Standards

The following standards were applied when manufacturing the flow-through fitting:

• Pressure Equipment Directive

1.2 Material properties

Wetted components							
Flow-through fitting							
EXflow	Stainless steel Plastic						
710	1.4571 / 316TI	1.4571 / 316TI					
		Lined with ETFE					
720			PVDF				

NOTE

Observe the pressure and temperature diagrams.

1.3 Dimensions

EXflow 710 measurements								
		Process co	nnector				onnector	
	Flange				Welding connector			
	DN 25 / ANSI 1" DN 50 / ANSI 2"				DN 2	5/1"	DN 5	0/2"
180°	A A A A A A A A A A A A A A A A A A A				C1 C2	A	D	80
90°					A B1		A	
Measure - ments	Probe housing connector Flange DN50 / ANSI 2"				Probe housing connector G1 1/4"			
[mm]	DN 25	ANSI 1"	DN 50	ANSI 2"	DIN 25	1"	DN 50	2"
А	150	150	150	150	140	140	137	137
В	93	93	93	93	62	62	62	62
B1	77	77	77	77	62	62	62	62
C1	-	-	-	-	33.7	33.7	60.3	60.3
C2	-	-	-	-	2	2	2	2
D	G1 1/4	G1 1⁄4	G1 1/4	G1 1/4	G1 1⁄4	G1 1/4	G1 1/4	G1 1/4

EXflow 720 measurements									
		Process of	onnecto	٢	Process connector				
		Fla	nge		<u> </u>	Welding o	connector		
	DN 25 /	' ANSI 1"	DN 50 /	/ ANSI 2"	DN 2	5 / 1"	DN 5	0/2"	
180° 90°	A A			A B B					
Measure - ments	Trange DN30 /					-			
[mm]	DN 25	ANSI1"	DN 50	ANSI 2"	DIN 25	1"	DN 50	2"	
А	150	150	150	150	147	147	147	147	
В	84	84	84	84	84	84	84	84	
C1	-	-	-	-	32	32	63	63	
C2	-	-	-	-	2.4	2.4	2	2	

1.4 EXflow 710 process conditions

Max. permissible pressure PS: 16 bar

Max. permissible temperature TS: 140 °C

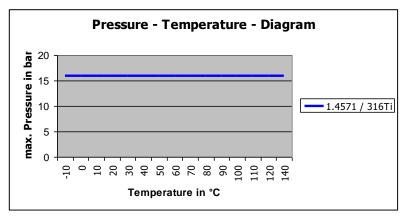


Fig. 1: Pressure-temperature-diagram of EXflow 710

1.5 EXflow 720 process conditions

Max. permissible pressure PS: 6 bar

Max. permissible temperature TS: 120 °C

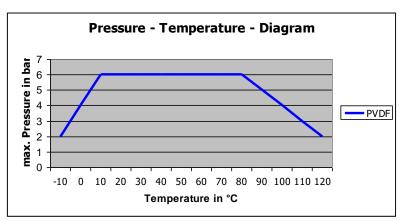


Fig. 2: Pressure-temperature-diagram of EXflow 720

1.6 Identification plate



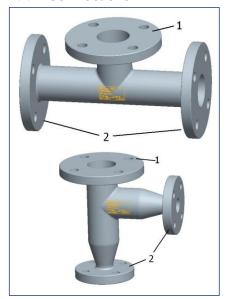


Fig. 3: Identification plate EXflow 710 / EXflow 720

2 Product description

2.1 EXflow flow-through fitting

2.1.1 Connections



1	Probe housing connector
2	Process connector

Fig. 4: EXflow flow-through fitting

2.1.2 Versions

To integrate the flow-through fitting EXflow into the process, you can choose between different process connections, flow directions (90° or 180°) and nominal widths. In order to meet the requirements of the versatile process properties, the flow-through fitting EXflow is manufactured from stainless steel or plastic.

2.2 Process integration

Probe housing / Sensor

The flow-through fitting EXflow is integrated into the process pipe and accommodates a probe housing in which a sensor is installed.

Transmitter

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

PLS

The transmitter can be connected with a process control system.

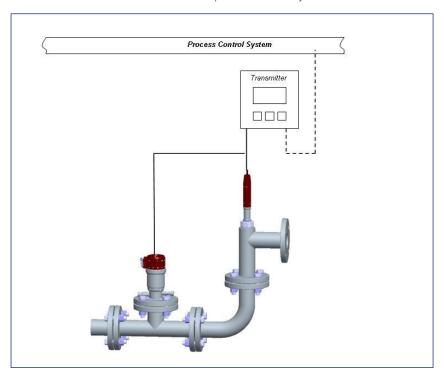


Fig. 5: EXflow flow-through fitting

Pressure / Temperature

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

NOTE

Observe the pressure and temperature diagrams.

Installation position

Principally, the unit may be installed in any position. In order to obtain reliable measurement results, the sensor properties are decisive.

Total measuring point

Combine the flow-through fitting EXflow with suitable a suitable probe housing as a complete measuring unit. Thus, you obtain optimal measuring results.

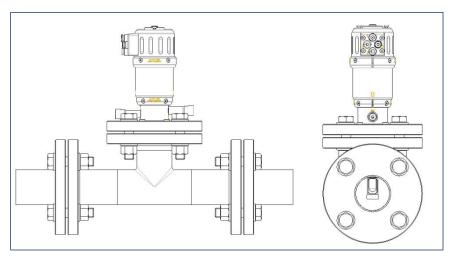


Fig. 6: Flow-through fitting with EXtract

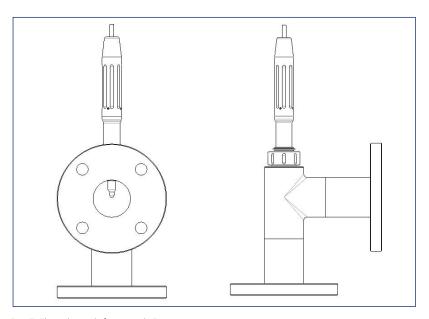


Fig. 7: Flow-through fitting with EXstatic

3 Ordering structure

3.1 Flow-through fitting EXflow 710

	Code	Fitting n	Fitting material (wetted parts)				
	71	Stainless	steel, 1.45	71 / 316TI			
	ET	Stainless	steel 1.457	71 /316 TI E	TFE lined		
	XX	Special	version				
		Code	Process of	connector			
		D25	DN25 fla	DN25 flange			
		D50	DN50 PN	I16 flange			
		A10	ANSI 1" fl	ange			
		A20	ANSI 2" 1	50 lbs flan	ge		
		W25	Weld end	d DN25 / 1'	" (not for ET")		
		W50	Weld end DN50 / 2" (not for ET")				
		XXX	Special v	ersion			
			Code	Probe ho	ousing connector		
			D50	DN50 fla	nge		
			A20	ANSI 2" f	lange		
			125	G 1 1/4" cc	onnector (not for ET)		
			N34	Female th	nread NPT ¾" (not for "ET")		
			G34	Female th	nread NPT ¾" (not for "ET")		
			XXX	Special v	ersion		
			Code Flow direction				
			18 180°				
				09	90°		
EXflow 710					Order code		

3.2 Flow-through fitting EXflow 720

	Code	Fitting n	Fitting material (wetted parts)				
	PV	PVDF					
	XX	Special	version				
		Code	Process of	connector			
		D25	DN25 fla	nge			
		D50	DN50 PN16 flange				
		A10	ANSI 1" f	lange			
		A20	ANSI 2" 1	150 lbs flan	ge		
		W25	weld end DN25 / 1"				
		W50	weld end	I DN50 / 2'	,		
		XXX	Special v	ersion			
			Code	Probe ho	ousing connector		
			D50	DN50 fla	nge		
			A20	ANSI 2" f	ilange		
			XXX	Special v	ersion		
				Code Flow direction			
			18 180°				
				09	90°		
EXflow 720					Order code		

4 Certificates and compliance

All freely available certificates and conformities can be found in their most current form in the "Downloads" section of our website.

To access the following address, enter it into your browser or scan the QR code below. Then select the relevant product and document from the list.





Depending on the product, additional certificates (e.g. material, surface, etc.) are available. If necessary, please send a corresponding request to Exner Process Equipment GmbH.



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