

EXNER PROCESS EQUIPMENT



EXDIP 910/920

dip holder

Technical information

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1 Product description

1.1 EXDIP dip holder

components

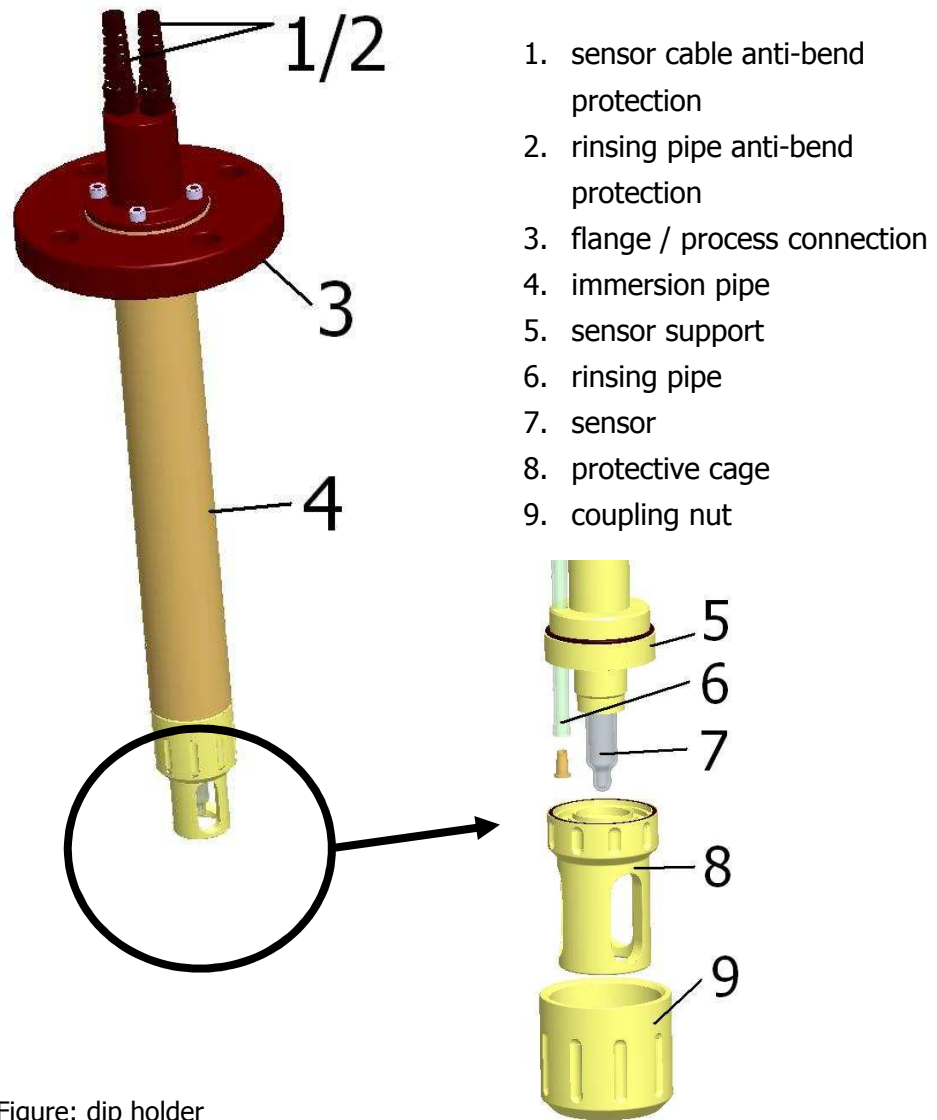


Figure: dip holder

Versions

Dip holders are mounted to containers or channels by means of a flange or support bracket (only plastics). In order to cope with the versatile process properties, the EXDIP dip holder is made of stainless steel or plastics. Furthermore, you can choose between different immersion lengths, sealing materials and sensors.

Rinsing (option) The rinsing nozzles integrated into the protective cage offer effective mechanical rinsing of the sensor by means of incoming air or rinsing liquid. The rinsing agent is continuously being distributed into the racks of the protective cage and, thus, directly

hits the sensor. The cleaning efficacy is very good according to construction.

1.2 Process integration

Control unit The automatic rinsing procedure of the EXDIP dip holder can be controlled by means of a corresponding cleaning contact in the respective transmitter. No additional control unit is required.

Transmitter The dip holder dips a sensor into the process liquid which transfers its measurement results to a transmitter.

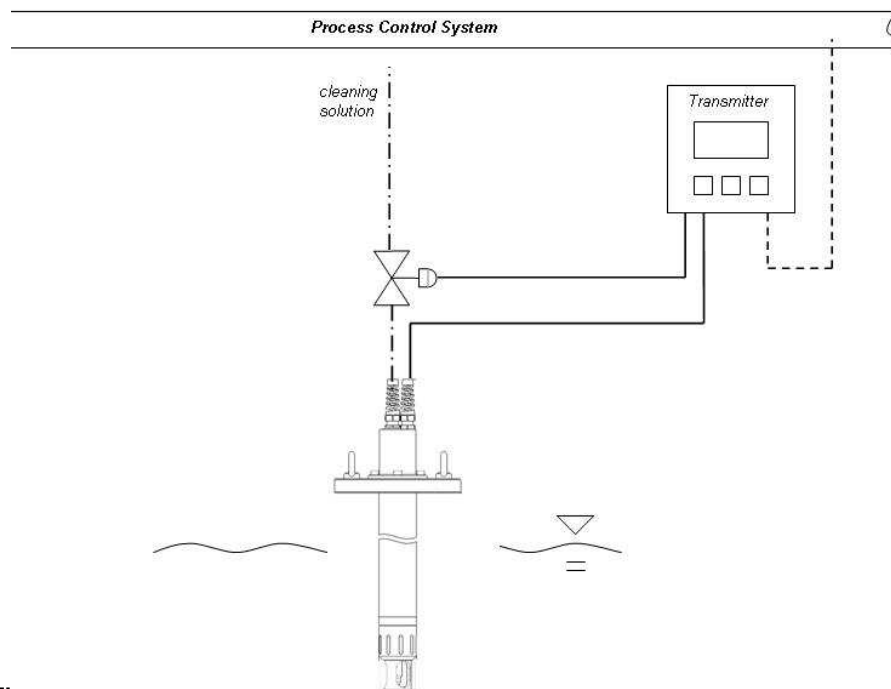


Figure: process sequence

pressure For choosing the appropriate holder, pressure and temperature conditions of the process are of particular importance. Depending on the temperature, the stainless steel dip holder can be used for a pressure of up to 8 bar and the plastics version for a pressure of up to 6 bar. The process temperature must be between -10°und 90°C.



Observe the pressure and temperature diagrams in the chapters 7.8 and 7.9!

installation position Basically, the holder can be operated in any position. In order to obtain reliable measurement results, the sensor properties are of particular importance.

2 Technical data

2.1 Standards

Pressure equipment directive

2.2 Material properties

Wetted components						
holder						
EXDIP	stainless steel		plastics			seals
910	1.4404/316L					- EPDM - FPM
920			PVDF			
			PP			

2.3 Rinsing connection (option)

Connections		
dip holder	6 / 4 mm	PTFE pipe

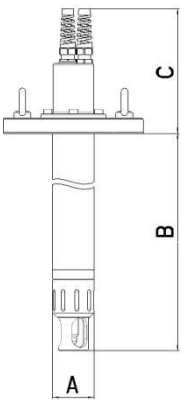
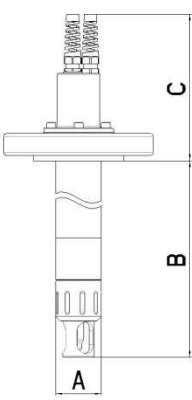
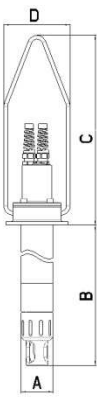
Rinsing pressure	
	1 - 6 bar

2.4 Sensors

Gel-filled sensor			
EXDIP	l [mm]	d [mm]	PG
910 / 920	120	12	13,5



2.5 EXDIP 910 / 920 dimensions

EXDIP 910/920 dimensions			
	910	920	920
	4404 flange	PP/PVDF flange	PP/PVDF support bracket
			
Dimensions	EXDIP	EXDIP	EXDIP
	910	920	920
A [mm]	49	50	50
B [mm]	500 - 2500	500 - 2500	500 - 2500
C [mm]	150	161	302
D [mm]	-	-	108

2.6 Ambient conditions

ambient temperature	- 10 - 70 °C
transport and storage temperature	- 10 - 80 °C

2.7 EXDIP 910 process conditions

max. permissible pressure PS:	10 bar
max. permissible temperature TS:	140 °C

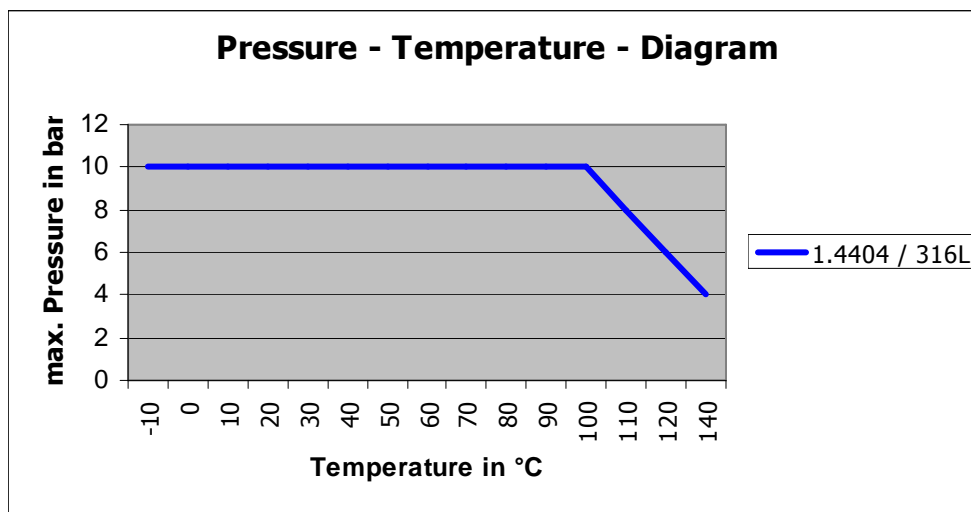


Figure: EXDIP 910 pressure-temperature diagram

2.8 EXDIP 920 process conditions

max. permissible pressure PS: 6 bar

max. permissible temperature TS: 90 °C

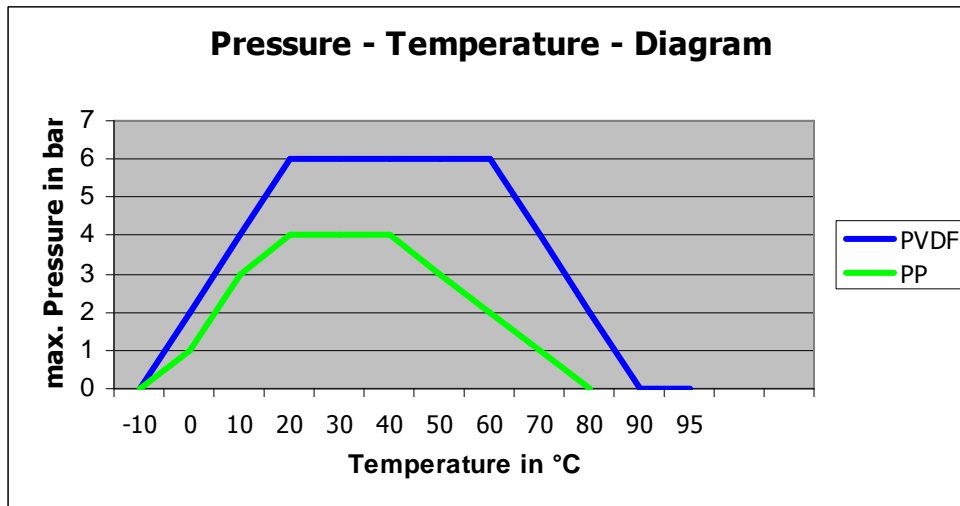


Figure: EXDIP 920 pressure-temperature diagram

2.9 EXDIP 910 ordering structure

EXDIP 910 dip holder										
	Des.	Holder, wetted material								
	4404	stainless steel, 1.4404 /316L								
	XXX	special version								
	X									
	Des.	Seals, wetted material								
	EPD	EPDM								
	FPM	FPM								
	XXX	special version								
	Des.	Sensor								
	120	120mm PG 13.5 gel-filled								
	XXX	special version								
	Des.	Process connection								
	D50	DN 50 flange								
	A20	ANSI 2" flange								
	XXX	special version								
	Des	Immersion depth								
	05	0.5 metre								
	10	1.0 metre								
	15	1.5 metres								
	20	2.0 metres								
	25	2.5 metres								
	XX	special version								
	Des	Rinsing								
	NC	without								
	SC	with integrated rinsing								
EXDIP 910		-	-	-	-	-	-	-	order number	

2.10 EXDIP 920 ordering structure

EXdip 920 dip holder						
	Des.	Holder, wetted material				
	PP	PP				
	PV	PVDF				
	XX	special version				
		Des.	Seals, wetted material			
		EPD	EPDM			
		FPM	FPM			
		XXX	special version			
			Des.	Sensor		
			120	120mm PG 13.5 gel-filled		
			XXX	special version		
				Des.	Process connection	
				D50	DN50 flange	
				A20	ANSI 2" flange	
				SUH	support bracket	
				XXX	special version	
					Des	Immersion depth
					05	0.5 metre
					10	1.0 metre
					15	1.5 metres
					20	2.0 metres
					25	2.5 metres
					XX	
					Des	Rinsing
					NC	without
					SC	with integrated rinsing
					XX	special version
EXDIP 920 - - - - - order number						

3 Spare parts and accessories

Sealing kits		
EXDIP	spare part	order number
910	EPDM sealing kit	2-123-40-006
	FPM sealing kit	2-123-41-006
920	EPDM sealing kit	2-123-40-007
	FPM sealing kit	2-123-41-007



Please always quote the serial number of your holder when ordering spare parts and accessories

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