

## TECHNICAL INFORMATION

Pneumatic retractable probe housing



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# 1 Technical data

## 1.1 Standards

The following standards were applied when manufacturing the retractable probe housing:

- Pressure Equipment Directive

## 1.2 Material properties

Wetted components			
Probe housing			
EXtract	Stainless steel	Plastic	Seals
810/811/815	1.4404/316L Alloy C22, 2.4602		EPDM, FPM, FFKM
820/825		PVDF, PEEK, PP	EPDM, FPM, FFKM
821		PVDF, PEEK	EPDM, FPM, FFKM
830	1.4404/316L		EPDM (FDA), FPM

Drive unit			
EXtract	Cylinder	Cylinder extension	Seals
All types	1.4404/316L	PA66 GF30	EPDM

## 1.3 Cleaning ports

Thread	
Without a gland	G 1/8" (female)
With a gland	G 1/4" (female)
With a gland	NPT 1/4" (female)

Cleaning pressure	
	1-4 bar

## 1.4 Sensors

Gel-filled sensor			
EXtract	l [mm]	d [mm]	PG
810 / 820	225	12	13.5
811 / 821	325	12	13.5
815 / 825	225	12	13.5
830	225	12	13.5
Sensor filled with liquid with a filling spout			
EXtract	l [mm]	d [mm]	PG
810 / 820	280	12	13.5
811 / 821	380	12	13.5
815 / 825	280	12	13.5
830	280	12	13.5

## 1.5 Pneumatics

Pneumatic hoses		
	External Ø [mm]	Internal Ø [mm]
For control air	6	4
For position feedback	4	2

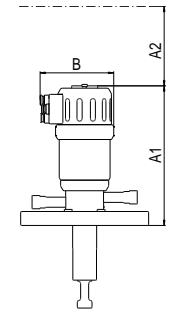
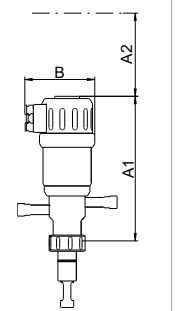
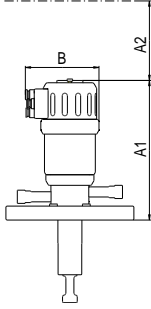
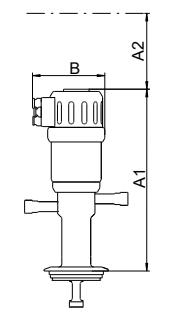
The following requirements are valid for compressed air:

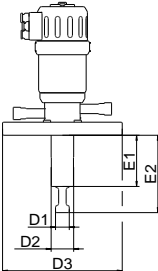
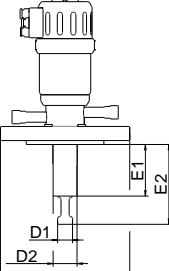
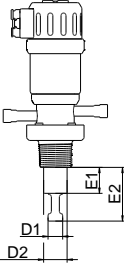
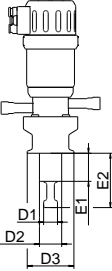
- according to ISO8573-1:2010 [5:4:4]
- filtered, 40 µm, water and oil-free
- 4 - 6 bar
- No continuous air consumption

## 1.6 IP protection class

Protection class IP 66 is valid for the drive unit for all types.

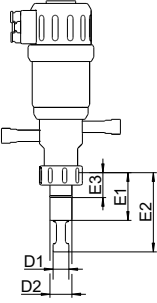
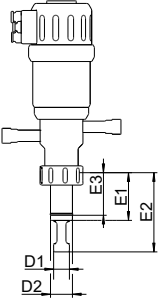
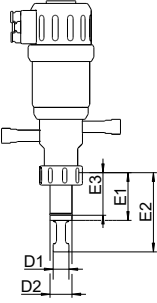
## 1.7 Dimensions

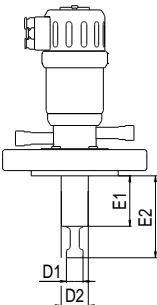
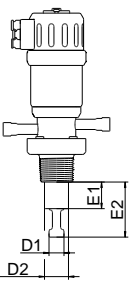
Probe housing								
								
Measurements [mm]	EXtract		EXtract		EXtract		EXtract	
	810	811	815	825	820	821	830	
A1	180	180	196	196	193	193	238	
A2	350	480	350	350	350	480	350	
B	95	95	95	95	95	95	95	

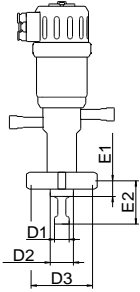
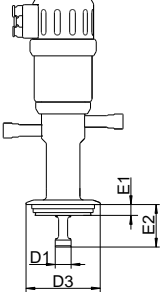
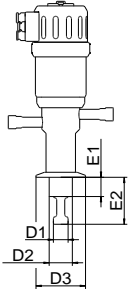
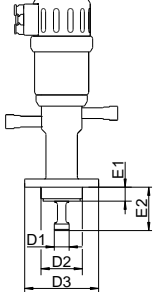
Process connections EXtract 810/811						
	Flange 4404		Flange C22		NPT	TriClamp
						
Measurements [mm]	EXtract		EXtract		EXtract	EXtract
	810	811	810	811	810	810
E1	71	171	66	166	34	39
E2	107	207	102	202	70	75
D1	19	19	19	19	19	19
D2	31	36	31	36	31	31
D3	-	-	-	-	-	64

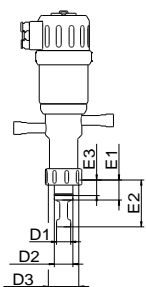
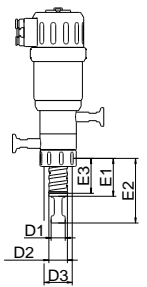
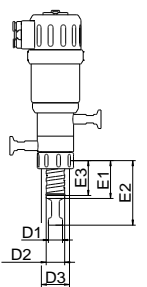
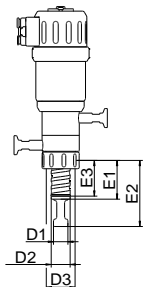


## Process connections EXtract 815/825

	Ingold DN 25	Ingold DN 25	Ingold DN 25
			
Measurements [mm]	EXtract	EXtract	EXtract
	815	815	825
E1	54	54	33
E2	90	90	69
E3	28	50	25
D1	18	18	18
D2	25	25	25

Process connections EXtract 820/821			
	Flange		NPT
			
Measurements [mm]	EXtract		EXtract
	820	821	820
E1	58	158	29
E2	94	194	65
D1	19	19	19
D2	31	36	30.5

Process connections EXtract 830					
	DIN 11851	Varivent N	TriClamp		Neumo BioCon.
					
Measurements [mm]	DN50	DN40 - 125	1.5"	2"	DN 50
E1	18	12.3	22	25	17
E2	54	48.3	58	61	48
D1	19	19	19	19	19
D2	30	-	30	30	50
D3	Rd78 x 1/6"	84	50.5	64	89.5

Process connections EXtract 830				
	Ingold DN 25	Ingold HyCIP25	Ingold Hy-CIP50	Ingold Hy-CIP55
				
Measurements [mm]	O-ring position [mm]			
	28	25	50	55
E1	34	29	54	59
E2	70	65	90	95
E3	28	25	50	55
D1	19	19	19	19
D2	25	25	25	25
D3	G 1 1/4"	G 1 1/4"	G 1 1/4"	G 1 1/4"

## 1.8 Environmental conditions

Ambient temperature -10...70 °C

Transport and storage temperature -20...80 °C

## 1.9 Extract 810 / 811 / 815 / 830 process conditions

Max. permissible pressure PS: 16 bar

Max. permissible temperature TS: 140 °C:

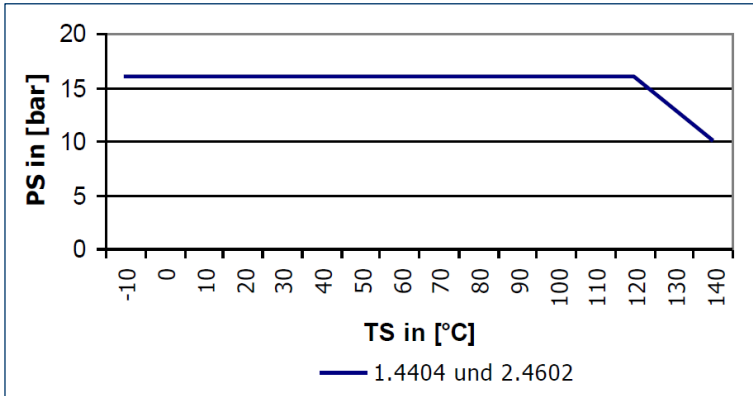


Fig. 1: Pressure temperature diagram Extract 810/811/815/830

## 1.10 Extract 820 / 821 / 825 process conditions

Max. permissible pressure PS: 10 bar

Max. permissible temperature TS: 140 °C:

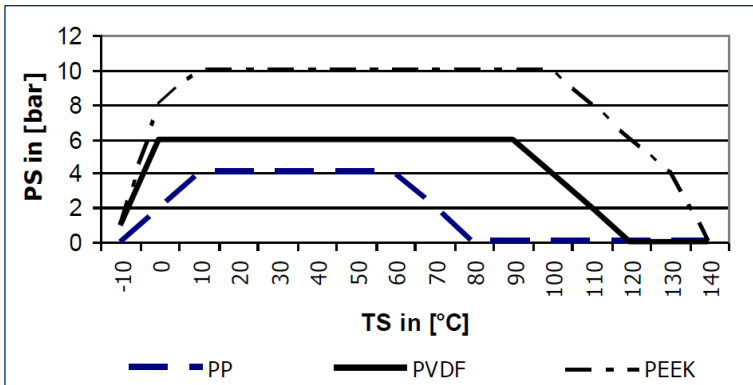


Fig. 2: Pressure temperature diagram Extract 820/821/825

## 1.11 Identification plate



Fig. 3: Identification plate

## 2 Product description

### 2.1 EXtract automatic retractable probe housing

#### 2.1.1 Components

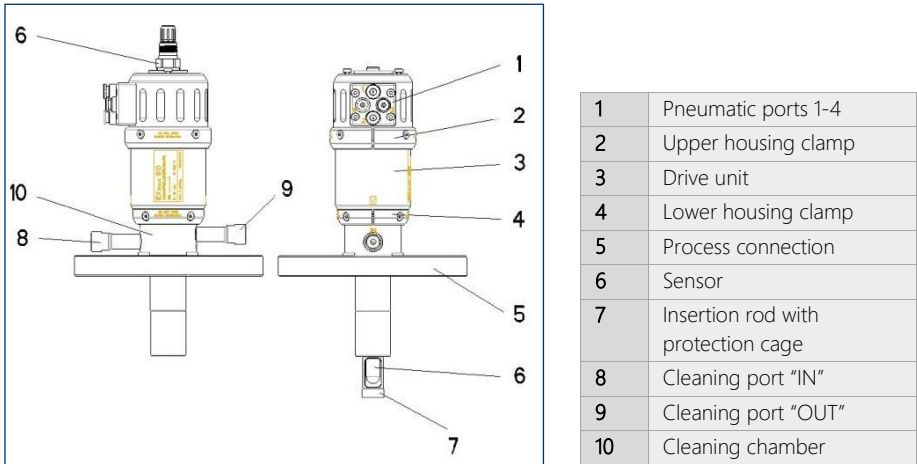


Fig. 4: EXtract retractable probe housing

#### 2.1.2 Versions

Retractable probe housings are attached to tanks or pipes using an appropriate process connection. In order to do justice to the various process properties, the EXtract retractable probe housing is manufactured from stainless steel or plastic. You can further choose between different process and cleaning ports, sealing materials, and sensors.

The process pressure and temperature conditions are decisive for the selection of the appropriate probe housing. Stainless steel retractable probe housing can be used for a pressure of up to 16 bar and the plastic model up to 10 bar, temperature-dependent.

### EXtract 810/820

EXtract 810 / 820 probe housing is a pneumatically operated retractable probe housing consisting of stainless steel (810) or plastic (820) for the installation of Ø 12mm sensors on tanks or pipes, with an immersion depth of up to 107mm.

The probe housing can be used for:

- Ø 12 mm/225 mm and Ø 12/280 mm sensors with PG13.5 thread (pH glass and ISFET sensors, conductivity, temperature, turbidity or optical sensors)
- Chemicals
- Water treatment
- Particularly rough processes
- For automatic cleaning or calibration of the sensor

### EXtract 811/821

EXtract 811 / 821 probe housing is a pneumatically operated retractable probe housing consisting of stainless steel (811) or plastic (821) for the installation of Ø 12mm sensors on tanks or pipes, with an extended immersion depth of up to 207mm.

### EXtract 815/825

EXtract 815 / 825 probe housing is a pneumatically operated retractable probe housing consisting of stainless steel (810) or plastic (825) for the installation of Ø 12mm sensors on tanks or pipes, with an Ingold DN25 gland and PTFE scraper.

### EXtract 830

EXtract 830 probe housing is a pneumatically operated retractable probe housing consisting of stainless steel or the installation of Ø 12mm sensors on tanks or pipes.



The probe housing can be used for:

- Ø 12 mm/225 mm and Ø 12/280 mm sensors with PG13.5 thread (pH glass and ISFET sensors, conductivity, temperature, turbidity or optical sensors)
- Food
- Pharmaceuticals
- Hygienic applications
- For automatic cleaning or calibration of the sensor

### 2.1.3 Drive unit

Compressed air is fed via the pneumatic connections on the drive unit. The pneumatic drive drives the insertion rod into the process medium up to its maximum immersion depth. For safety reasons, this is only possible with an installed sensor.

### 2.1.4 Measure

When the stop position for the "measuring" position is reached, the control unit receives pneumatic position notification. In this position the sensor head is immersed in the drive unit and cannot be removed. The sensor measures the chemical or physical process liquid properties.

### 2.1.5 Service

The sensor can be cleaned, rinsed and calibrated during the course of the process. For this purpose the probe housing must be moved to the "service" position. Here, too, pneumatic position feedback is triggered when the final position is reached. In the "service" position the insertion rod seals the cleaning chamber against the process to prevent leakage of process liquid. The cleaning liquid is introduced into the cleaning chamber via the cleaning port "IN" and subsequently drained via the cleaning port "OUT".

## 2.2 Process integration

### Control unit

The automatic control unit EXmatic can be used to operate the retractable probe housing EXtract. It is optimally adapted to the probe housing functions.

## Transmitter

The retractable probe housing inserts a sensor into the process liquid, which transmits its measuring results to a transmitter.

## Process control [PCS]

The external control unit and transmitter can be connected to a process control system. The measuring and cleaning intervals are controlled automatically, dependent on the measurement results.

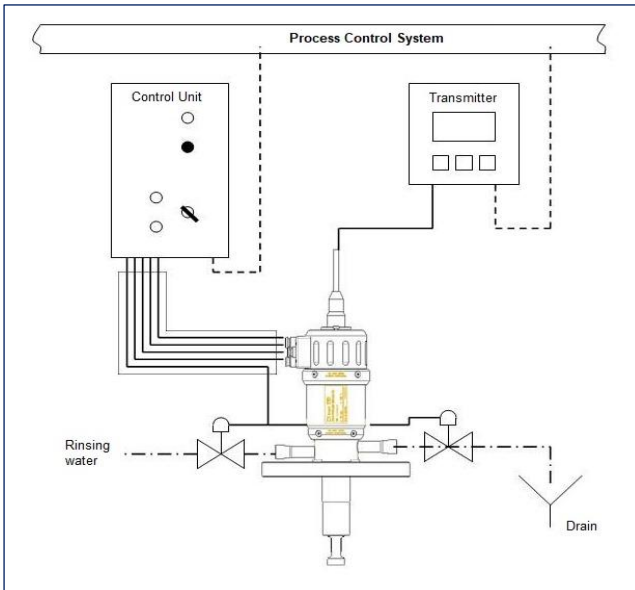


Fig. 5: Process flow

## Pressure / Temperature

The process temperature must be between  $-10\text{ }^{\circ}\text{C}$  and  $140\text{ }^{\circ}\text{C}$ . Observe the pressure and temperature diagrams in chapters 1.9 "Extract 810 / 811 / 815 / 830 process conditions" and 1.10 "EXtract 820 / 821 / 825 process conditions"

## Installation position

Basically, the probe housing can be operated in any position. In order to obtain reliable measurement results, the sensor properties are decisive.

## 3 Ordering structure

### 3.1 Retractable probe housing EXtract 810

Code	Probe housing, material (wetted parts)	
4404	Stainless steel 1.4404 / 316L	
HC22	Alloy C22, 2.4602	
XXXX	Special version	
Code	Material (wetted parts)	
EPD	EPDM	
FPM	FPM	
FKM	FFKM	
XXX	Special version	
Code	Sensor	
225	225 mm PG 13.5 gel-filled	
280	280 mm PG 13.5 filled with liquid	
XXX	Special version	
Code	Process connection	
D32	Flange DN32	
D40	Flange DN40	
D50	Flange DN50	
A14	Flange ANSI 1 1/4"	
A12	Flange ANSI 1 1/2"	
A20	Flange ANSI 2"	
N14	NPT M 1 1/4"	
T20	Tri Clamp 2"	
XXX	Special version	
Code	Cleaning port	
G18	G 1/8" (female)	
G14	G 1/4" (female)	
N14	NPT 1/4" (female)	
XXX	Special version	
Code	Position feedback	
PN	Pneumatics	
XX	Special version	
EXtract 810		Order code

Example: EXtract 810-4404-EPD-225-D32-G18-PN

### 3.2 Retractable probe housing EXtract 811

	<b>Code</b>	<b>Probe housing, wetted material</b>				
	4404	Stainless steel 1.4404 / 316L				
	HC22	Alloy C22, 2.4602				
	XXXX	Special version				
		<b>Code</b>	<b>Seals, wetted material</b>			
		EPD	EPDM			
		FPM	FPM			
		FKM	FFKM			
		XXX	Special version			
			<b>Code</b>	<b>Sensor</b>		
			325	325 mm PG 13.5 gel-filled		
			380	380 mm PG 13.5 filled with liquid		
			XXX	Special version		
				<b>Code</b>	<b>Process connection</b>	
				D40	Flange DN40	
				D50	Flange DN50	
				A12	Flange ANSI 1 1/2"	
				A20	Flange ANSI 2"	
				XXX	Special version	
					<b>Code</b>	<b>Cleaning port</b>
					G18	G 1/8" (female)
				G14	G 1/4" (female)	
				N14	NPT 1/4" (female)	
				XXX	Special version	
				<b>Code</b>	<b>Position feedback</b>	
				PN	Pneumatics	
				XX	Special version	
<b>EXtract 811</b>						<b>Order code</b>

Example: EXtract 811-4404-EPD-325-D40-G18-PN

### 3.3 Retractable probe housing EXtract 815

EXtract 815	<b>Code</b>	<b>Probe housing, wetted material</b>		
	4404	Stainless steel 1.4404 / 316L		
	HC22	Alloy C22, 2.4602		
	XXXX	Special version		
		<b>Code</b>	<b>Seals, wetted material</b>	
		EPD	EPDM	
		FPM	FPM	
		FKM	FFKM	
		XXX	Special version	
		<b>Code</b>	<b>Sensor</b>	
		225	325 mm PG 13.5 gel-filled	
		280	380 mm PG 13.5 filled with liquid	
		XXX	Special version	
		<b>Code</b>	<b>Process connection</b>	
		IN28	Ingold DN25 G1 1/4" O-ring position 28 mm	
		IN50	Ingold DN25 G1 1/4" O-ring position 50 mm	
		XXXX	Special version	
		<b>Code</b>	<b>Cleaning port</b>	
		G18	G 1/8" (female)	
		G14	G 1/4" (female)	
		N14	NPT 1/4" (female)	
		XXX	Special version	
		<b>Code</b>	<b>Position feedback</b>	
	PN	Pneumatics		
	XX	Special version		
			<b>Order code</b>	

Example: EXtract 815-4404-EPD-225-IN28-G18-PN

### 3.4 Retractable probe housing EXtract 820

	<b>Code</b>	<b>Probe housing, wetted material</b>		
	PP	PP		
	PVDF	PVDF		
	PEEK	PEEK		
	XXXX	Special version		
		<b>Code</b>	<b>Seals, wetted material</b>	
		EPD	EPDM	
		FPM	FPM	
		FKM	FFKM	
		XXX	Special version	
		<b>Code</b>	<b>Sensor</b>	
		225	225 mm PG 13.5 gel-filled	
		280	280 mm PG 13.5 filled with liquid	
		XXX	Special version	
		<b>Code</b>	<b>Process connection</b>	
		D50	Flange DN50	
		A20	Flange ANSI 2"	
		N14	NPT M 1 1/4"	
		XXX	Special version	
		<b>Code</b>	<b>Cleaning port</b>	
		G18	G 1/8" (female)	
		G14	G 1/4" (female)	
		N14	NPT 1/4" (female)	
	XXX	Special version		
	<b>Code</b>	<b>Position feedback</b>		
	PN	Pneumatics		
	XX	Special version		
<b>EXtract 820</b>			<b>Order code</b>	

Example: EXtract 820-PP-FPM-225-D50-G18-PN

### 3.5 Retractable probe housing EXtract 821

	<b>Code</b>	<b>Probe housing, wetted material</b>				
	PVDF	PVDF				
	PEEK	PEEK				
	XXXX	Special version				
		<b>Code</b>	<b>Seals, wetted material</b>			
		EPD	EPDM			
		FPM	FPM			
		FKM	FFKM			
		XXX	Special version			
		<b>Code</b>	<b>Sensor</b>			
		325	325 mm PG 13.5 gel-filled			
		380	380 mm PG 13.5 filled with liquid			
		XXX	Special version			
		<b>Code</b>	<b>Process connection</b>			
		D50	Flange DN50			
		A20	Flange ANSI 2"			
		N14	NPT M 1 1/4"			
		XXX	Special version			
		<b>Code</b>	<b>Cleaning port</b>			
		G18	G 1/8" (female)			
		G14	G 1/4" (female)			
		N14	NPT 1/4" (female)			
		XXX	Special version			
		<b>Code</b>	<b>Position feedback</b>			
		PN	Pneumatics			
		XX	Special version			
EXtract 821						<b>Order code</b>

Example: EXtract 821-PVDF-FPM-325-D50-G18-PN

### 3.6 Retractable probe housing EXtract 825

EXtract 825	<b>Code</b>	<b>Probe housing (wetted material)</b>		
	PP	PP		
	PVDF	PVDF		
	PEEK	PEEK		
	XXXX	Special version		
		<b>Code</b>	<b>Sealing (wetted material)</b>	
		EPD	EPDM	
		FPM	FPM	
		FKM	FFKM	
		XXX	Special version	
		<b>Code</b>	<b>Sensor</b>	
		225	225 mm PG 13.5 gel-filled	
		280	280 mm PG 13.5 filled with liquid	
		XXX	Special version	
		<b>Code</b>	<b>Process connection</b>	
		IN25	Ingold DN25 G1 1/4" O-ring position 25 mm	
		XXXX	Special version	
		<b>Code</b>	<b>Cleaning port</b>	
		G18	G 1/8" (female)	
		G14	G 1/4" (female)	
		N14	NPT 1/4" (female)	
	XXX	Special version		
		<b>Code</b>	<b>Position feedback</b>	
		PN	Pneumatics	
		XX	Special version	
			<b>Order code</b>	

Example: EXtract 825-PP-FPM-225-IN25-G18-PN



### 3.7 Retractable probe housing EXtract 830

Code	Probe housing, wetted material	
4404	PP	
XXXX	Special version	
Code	Seals, wetted material	
EPD	EPDM (FDA)	
FPM	FPM (Viton)	
XXX	Special version	
Code	Sensor	
225	225 mm PG 13.5 gel-filled	
280	280 mm PG 13.5 filled with liquid	
XXX	Special version	
Code	Process connection	
IN28	Ingold DN25 (G 1 1/4") O-ring pos. 28 mm	
IH25	HyCIP® Ingold (G1 1/4") O-ring pos. 25mm	
IH50	HyCIP® Ingold (G1 1/4") O-ring pos. 50mm	
IH55	HyCIP® Ingold (G1 1/4") O-ring pos. 55mm	
VARN	Varivent N DN40-125	
TC15	TriClamp 1.5" (OD Ø 50.5 mm)	
TC20	TriClamp 2" (OD Ø 64 mm)	
BCT5	NEUMO BioControl 50	
MV50	DIN 11851 DN50 (milk pipe)	
XXXX	Special version	
Code	Cleaning port	
G18	G 1/8" (female)	
G14	G 1/4" (female)	
N14	NPT 1/4" (female)	
XXXX	Special version	
Code	Position feedback	
PN	Pneumatics	
XX	Special version	
EXtract 830		<b>Order code</b>

Example: EXtract 830-PP-FPM-225-IN28-G18-PN

## 4 Spare parts and accessories

The probe housing serial number must always be quoted for spare parts and accessories orders.

EXtract	Accessories	Order number
810/811/815/830	Blind plug set G1/8" 1.4404	2-086-32-001
810/811/815	Blind plug set G1/8" 2.4602 / C22	2-086-34-001
810/811/815	Sensor cable protective device EXtract 8XX	2-150-03-001
815/825/830	Safety weld-in socket DN25 straight, 40mm, 1.4404 / 316L	2-087-33-001
815/830	Safety weld-in socket DN25 inclined, 40mm, 1.4404 / 316L	2-087-33-002
815/825/830	Safety bracket SK25 for welding socket DN25 (Ingold)	2-140-33-002
820/821/825	Blind plug set G1/8" PVDF	2-086-23-001
820/821/825	Blind plug set G1/8" PP	2-086-22-001
820/821/825	Blind plug set G1/8" PEEK	2-086-29-001
830	Cleaning gland for EXtract830(M) TriClamp 3/4" Ø10.3 (2 pcs. with EPDM sealing) for HyCIP® G1 1/4"	2-069-33-007
830	Cleaning gland for EXtract830(M) TriClamp 3/4" Ø10.3 (2 pcs. with FPM sealing) for HyCIP® G1 1/4"	2-069-33-008

## 4.1 Drive unit with pneumatic position feedback

EXtract	Spare part	Order number
810/811/815/825 820/821/830	Drive unit for sensor L = 225/325 mm	2-075-03-001
810/811/815/825 820/821/830	Drive unit for sensor L = 280/380 mm	2-075-03-002

## 4.2 Sealing kits

EXtract	Spare part	Order number
810/820	EPDM sealing kit	2-123-40-001
	FPM sealing kit	2-123-41-001
	FFKM sealing kit	2-123-42-001
811/821	EPDM sealing kit	2-123-40-002
	FPM sealing kit	2-123-41-002
	FFKM sealing kit	2-123-42-002
815/825	EPDM sealing kit	2-123-40-012
	FPM sealing kit	2-123-41-012
	FFKM sealing kit	2-123-42-012
830 IN28	EPDM (FDA) sealing kit	2-123-40-003
	FPM sealing kit	2-123-41-003
830 HyCIP®	EPDM (FDA) sealing kit	2-123-40-004
	FPM sealing kit	2-123-41-004
830 TC15/TC20 + MV50 VARN / BCT5	EPDM (FDA) sealing kit	2-123-40-005
	FPM sealing kit	2-123-41-005

### 4.3 Insertion rods

EXtract	Spare part	Order number
810	Insertion rod 1.4404 / 316L	2-061-33-004
	Insertion rod 2.4602 / Alloy C22	2-061-34-004
811	Insertion rod 1.4404 / 316L	2-061-33-005
	Insertion rod 2.4602 / Alloy C22	2-061-34-005
815	Insertion rod 1.4404 / 316L	2-061-33-006
	Insertion rod 2.4602 / Alloy C22	2-061-34-006
820	Insertion rod PP	2-061-22-004
	Insertion rod PVDF/Alloy C22	2-061-23-004
	Insertion rod PEEK	2-061-29-004
821	Insertion rod PVDF/Alloy C22	2-061-23-005
	Insertion rod PEEK	2-061-29-005
825	Insertion rod PP	2-061-22-011
	Insertion rod PVDF/Alloy C22	2-061-23-011
	Insertion rod PEEK	2-061-29-011
830	Insertion rod 1.4404 / 316L	2-061-33-004

## 5 Certificates and compliances



### Statement for application of directive 2014/34/EC

for Equipment and Components  
intended for Use in Potentially Explosive Atmospheres

Subject: Equipment/Component type	EXTRACT Type 810 / 811 / 815 / 820 / 821 / 825 / 830
Manufactured and submitted for examination	Exner Process Equipment GmbH
Address	D-76275 Ettlingen; Carl-Metz-Str. 26
Basis for examination	Directive 2014/34/EC
Standard basis	EN ISO 80079-36:2016
Code for type of protection	none
Examination result:	The device is not within the scope of the directive 2014/34 / EU. It has no ignition sources of its own.
Assessment number	-

TÜV Rheinland Industrie Service GmbH

Essen, den 28.05.2020



Manuel Steffen  
Expert

TÜV Rheinland Industrie Service GmbH  
Notified body for Ex-products  
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### 1) Subject and type

EXTRACT 810/811/815/820/821/825/830 in pneumatic and manual version.

### 2) Description

The EXTRACT changeover device is attached to containers or pipes. The pneumatic drive introduces a sensor (tested in accordance with Directive 2014/34 / EU) into the process liquid to measure chemical or physical properties. The pneumatic drive moves the immersion pipe to the maximum immersion depth in the process medium, for safety reasons this is only possible with a built-in sensor. While the process is running, the sensor can be cleaned, rinsed or calibrated. The operational controls must be within the technical specification of the respective valve and the built-in sensor. The types listed are also available in a manual version with a twist grip and unlocking bolt.

A standards update was carried out. In addition, the series has been expanded to include types 815 and 825.

### 3) Technical data

#### Type 815:

Processpressure: max. 16 bar  
 Processtemperature: -10 bis 140 °C  
 Materials: Stainless Steel 1.4404 / 316 L, Alloy C22 (2.4602)  
 Seals: EPDM, FPM (Viton), FFKM (Kalrez)

#### Type 825:

Processpressure: max. 10 bar  
 Processtemperature: -10 bis 140 °C  
 Materials: PP, PVDF, PEEK  
 Seals: EPDM, FPM (Viton), FFKM (Kalrez)

#### Ambient temperature:

-10°C to 70°C  
 Processpressure and temperature: **Valve 810/ 811 / 830**  
 at 16 bar max. 120°C  
 at 10 bar max. 140°C  
**Valve 820/ 821**  
 PP at 4 bar max. 60°C  
 PVDF at 6 bar max. 90°C  
 PEEK at 10 bar max. 100°C  
 Consider table in manual

#### Medium touched material:

**Valve 810/ 811 /830**  
 1.4404 / 316L  
 Alloy C22, 2.4602  
**Valve 820/ 821**  
 PVDF  
 PEEK  
**Valve 820**  
 PP

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Seals:

Pressure air:

Compressed air connection:

Flushing pressure:

Execution of the process connections  
(Valve 830)



EPDM , FPM , (FFKM only **810,811,820,821**)  
(FDA only **830**)

4 to 6 bar filtered 40µm oil and condensate free  
4 mm ( position feedback) and 6 mm (control  
air)

1-4 bar

DIN11851 DN50, TriClamp 2", TriClamp 1,5",  
SELI G1", BioConnect, Varivent, ING

#### 4) Test result

The EXTRACT fitting listed in Chapter 1 does not fall into the scope of application of Directive 2014/34 / EU, because if it is used as intended, it does not have own potential ignition sources.

#### 5) ATEX marking

not relevant

#### 6) Special conditions for safe use

1. There must be a sticker on the cap that reads: "Warning, danger from electrostatic charges, only wipe with an antistatic cloth".
2. Electrostatic charge must be taken into account for parts in contact with the medium that are made of non-conductive material. This applies particularly to non-conductive liquids.
3. The sensor must be conform to the 2014 / 34EU directive and the ambient temperatures must be observed.
4. It must be ensured that there is no explosive atmosphere in the compressed air.
5. It must be ensured that the movements when the sensor is extended and retracted do not damage the connection.
6. The different temperature classes of the respective materials must be considered.
7. Equipotential bonding must be ensured.

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**TÜV Rheinland Industrie Service GmbH**

**Notified body for Ex-products**  
**Alfredstraße 81**  
**D-45130 Essen**

Essen, den 28.05.2020

  
Manuel Steffen  
Expert

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## Declaration of conformity

for  
**Retractable holder type 810(M)/811(M)/815(M),  
 820(M)/821(M)/825(M)  
 and 830(M)**

We declare under our sole responsibility that the product, to which this declaration relates, is in conformity with the following standards or the normative documents:

EU-Directive	Harmonized standards
ATEX-Directive 2014/34/EU	EN 80079-36:2016
PED 2014/68/EU Modul A	EN12266-1: 2012

This declaration is given by the manufacturer.

Name of company:  
Address:

**Exner Process Equipment GmbH**  
 Carl-Metz-Straße 26  
 D-76275 Ettlingen  
 Germany

*Ettlingen*  
 Place

*20-04-21*  
 Date

  
 Process Equipment GmbH  
 Carl-Metz-Straße 26  
 76275 Ettlingen / Germany  
 Tel: 07141-945429-0 Fax: -99  
 www.e-p.e.de

*[Signature]*  
 Michael Tottewitz  
 General Manager







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