Advantages / Benefits

▶ **Easy System integration by Easy LINK provides low cost of ownership**

▶ **Programmable O.R.P. transmitter for easy O.R.P. measuring system solutions**

▶ **Compact version with integrated O.R.P. electrodes**

▶ **Remote version with separated controller away from the sensor for short and long distances**

▶ **Large range of process connections with different fittings as threads, Triclamp or sanitary versions**

▶ **Easy commissioning due to multi language, menu-guided operation**

▶ **Easy processing by 4... 20mA output signal, two relay outputs**

▶ **Individual adjustment of all measuring ranges**

▶ **For use in both pipes and tanks installed in custom fittings and submersion kits**

Design

O.R.P. transmitter type 8206 compact

The O.R.P. transmitter compactly combines an O.R.P. sensor and an electronic with display in splash-proof plastic IP 65 enclosure.
The sensor component consists of a replaceable combination O.R.P. electrode, screwed into the sensor housing with screw-in threads PG 13.5. The measured signal is conveyed to the controller via a coax plug.

The transmitter component converts the measured signal and displays the actual value.

Compact version for fitting types S020 and 1500 / 1501.

Separated O.R.P. transmitter type 8206

The O.R.P. transmission system combines a O.R.P. sensor type 8200 and a separate O.R.P. transmitter type 8206 with display.
The 8206 separate transmitter is available in panel mounted version and in a wall mounted plastic IP65 enclosure for connection to the O.R.P. sensor type 8200 for short distance (max. 5 m).

O.R.P. sensor type 8200

A wide range of O.R.P. sensors with different characterized electrodes and process connection types offers large capabilities of mounting and O.R.P. measurement.

Remote indication with separated transmitter device for wall or panel mounting connected over coaxial cable with O.R.P. sensor 8200 for distances up to 5 metres.

Sensor type 8200 for mounting on different fitting types as S020, 1500 / 1501, TriClamp or sanitary versions.

Application

O.R.P. measurements

Waste engineering

Water treatment and process technology

Cooling water monitoring

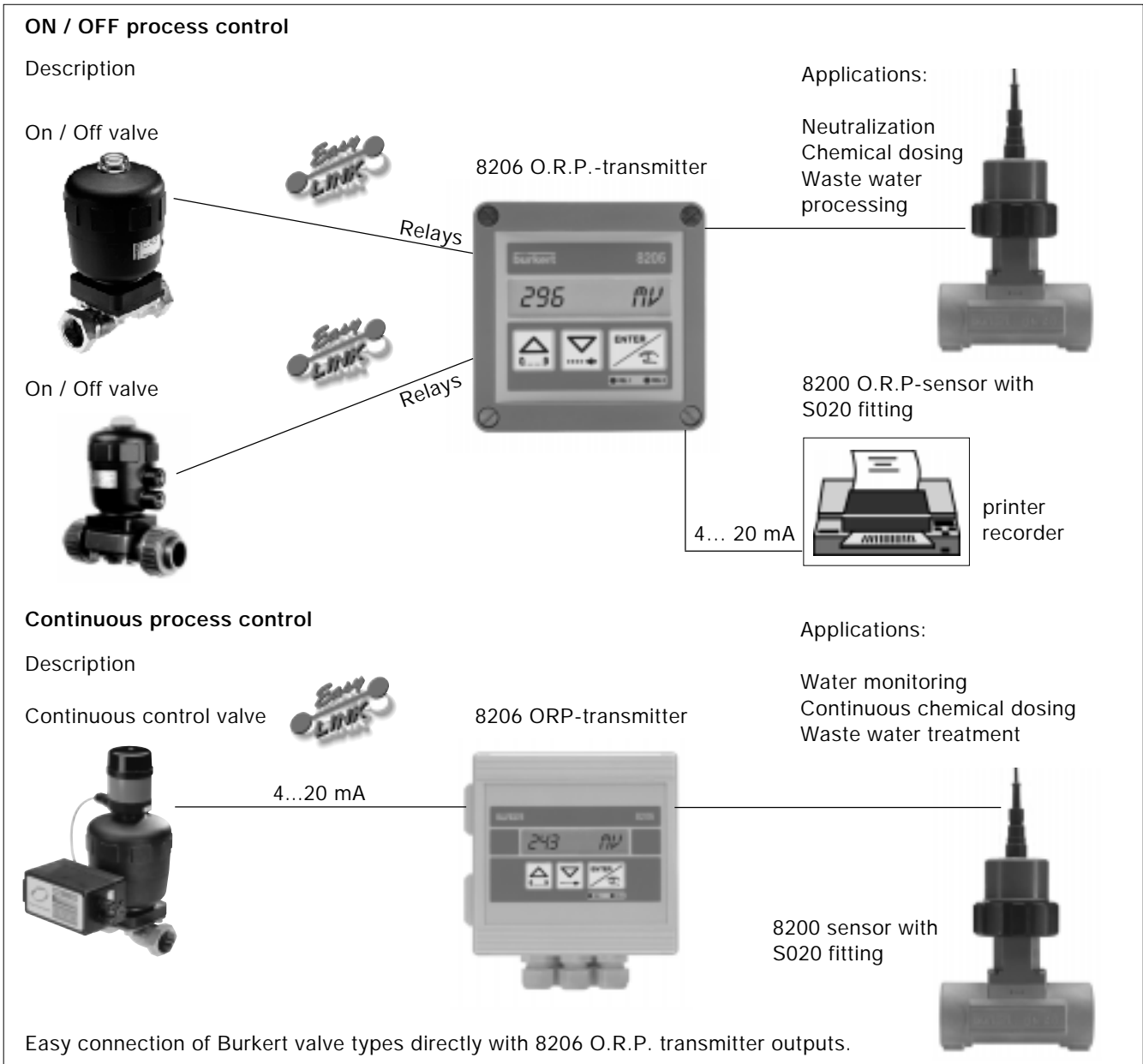Swimming pool engineering

Chemical dosing

Electroplating

bürkert
Easy **Fluid Control Systems**

bürkert

The Easy O.R.P. - Control

ON / OFF process control

Description

On / Off valve

8206 O.R.P.-transmitter

Relays

Applications:

Neutralization
Chemical dosing
Waste water
processing

On / Off valve

Relays

8200 O.R.P-sensor with
S020 fitting

4... 20 mA

printer
recorder

Continuous process control

Description

Continuous control valve

8206 ORP-transmitter

Applications:

Water monitoring
Continuous chemical dosing
Waste water treatment

4...20 mA

8200 sensor with
S020 fitting

Easy connection of Burkert valve types directly with 8206 O.R.P. transmitter outputs.

Principle of Operation

The most important part of the O.R.P. or redox transmitter is the redox electrode with its potential selective glass membrane. When the redox electrode is immersed into the solution, an electron exchange occurs between the oxidised and the reduced state of the electrolyte. The generated cell voltage is the redox potential, that is directly proportional to the redox value.

The transducer without relay functions in a 2-wire circuit and requires a power supply of 12... 30 VDC.
A 4... 20 mA standard signal is available as an output signal, proportional to the redox value.
The transducer with two additional relays functions in a 3-wire circuit. Limit values are freely adjustable. The compact version as well as the panel- and wall mounted version requires a power supply of 12... 30 VDC. The wall mounted version is also available with 115... 230 VAC power supply.

Installation

The compact O.R.P. transmitter can easily be installed into any Burkert insertion fitting system (S020 or 1500 / 1501) by just fixing the main nut. For the separated transmitter version, a wide range of holders offers large capabilities of mounting and redox measurement. The redox transmission system combines a 8200 O.R.P. sensor with a Bürkert fitting type and a separate O.R.P. transmitter type 8206 with display. The transmitter type 8206 is available in panel mounted version or in a wall mounted plastic IP65 enclosure for short distance (up to 5 m) connection to the O.R.P. sensor type 8200.

Compact Version 8206

Separate Version 8206

O.R.P-sensor 8200 O.R.P.-transmitter 8206

Distance <5 m

output signals

8206 wall- or panel mounted transmitter

Variety of 8200 sensors with different process connections
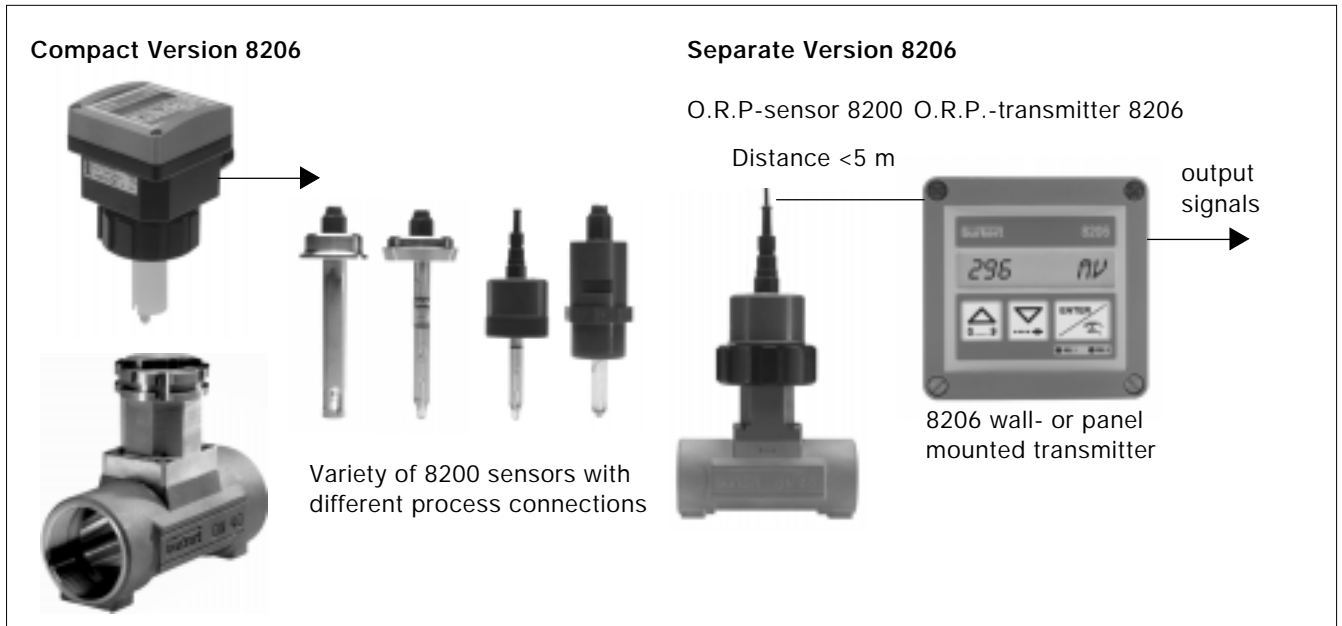
Pressure-Temperature-Diagramm
Mind pressure-temperature dependence according to the respective fitting material.

PVDF

PVC + PP

PVDF (PN 6)

PVC (PN 6)

PP (PN 6)
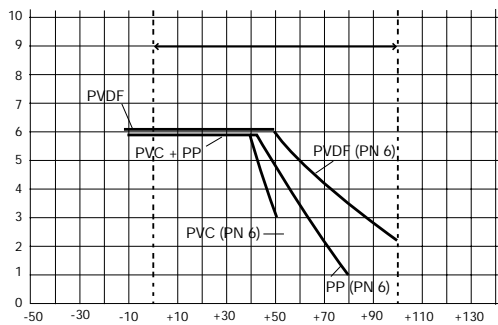
Industrial immersion fitting
Allows installation into tanks and containers. The following standard lengths are available:
500, 1000, 1500, 2000 mm.
Special lengths on request.
(dimensions see fittings)

Operation / Commissioning

Customized adjustments, such as measuring ranges and alarm setpoints can be carried out menu-supported on site via a multi-lingual display. Please consider the respective operating instructions prior to commissioning the devices.

O.R.P. electrode

The O.R.P-transmitter is available with five different types of standard electrodes. The adjacent chart indicates the appropriate electrode for the respective application. The service life of the O.R.P.-electrode depends on the application. Electrodes in the type 8206 / 8200 can easily be replaced.

How to select the most suitable redox electrode[1]

Applications	Compact Type 8206 PLA	Sensor 8200 Easycontrol	Oxitrode
Waste water samples	●	●	●
General aqueous solution	●	●	●
Aquariums	●	●	●
Beer, juices, wine	❍	❍	❍
Butter, compact yoghurt, cheese	❍	❍	❍
Protein-containing solutions			
Aqueous emulsions			
Partly aqueous emulsions			
Soil, earth suspensions	❍	❍	❍
Extreme pH-values (pH<1, pH>13)	❍	❍	❍
Hydrofluoric acid containing solutions			❍
Galvanic waste water	●	❍	●
Hot lyes	❍	❍	❍
Highly viscous solutions			
Infusion solutions	●	●	●
Solutions with low ion content			●
Jam			
Cosmetic products			
Varnish, colours			
Milk	❍	❍	❍
Non-aqueous solutions			
Oil			
Ultra pure and rain water			
Cream, yoghurt		❍	❍
Brines			
Swimming pools	●	●	●
Soaps, detergents	❍		●
Aqueous suspensions	●	❍	●
Partly aqueous suspensions			❍
Partly aqueous solutions >10% H2O	❍	❍	❍
Partly aqueous solutions <10% H2O			
TRIS buffer solutions	❍	❍	❍

● most suitable electrode

❍ depending on the application

[1] Tecnical data see: Ordering data Accessories

Operation and display

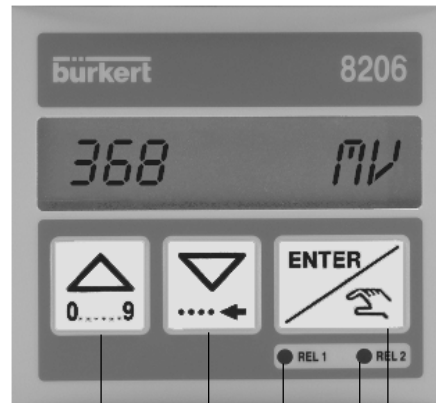The operation of the O.R.P. transmitter is classified in the following 3 different menus:

Main Menu

- Redox potential
- Output current
- HOLD function
- O.R.P. electrode calibration

Calibration Menu

- Language
- Measuring range 4… 20 mA
- Relay parameter definition
- Filter selection

Test Menu

- Offset
- Span
- Simulation of redox potential

Direction upwards
in menu

Choice of digit
value.
Steps from 0 to 9

Direction downwards in
menu or sideways for digit
selection

Relay 1: contact closed

Relay 2: contact closed

Accept of choosen parameter or
adjusted value

Digital O.R.P. Transmitter

Type 8206

General Data

Measuring range	-2000… +2000 mV
Smallest measuring range on output 4…20 mA	50 mV
Measuring error	+/-3 mV, depending on electrode calibration
Ambient temperature	0 to 60 °C (32 °F to 140 °F)
Storage temperature	0 to 60 °C (32 °F to 140 °F)

Compact version

Pipe diameter:	Stainless steel:	DN 15 to DN 50 (1/2" to 2") fitting type S020
		DN 65 to DN 100 (21/2" to 4") weld-o-let fitting type 1500
	Brass:	DN 15 to DN 50 (1/2" to 2") fitting type S020
	PVC, PP, PVDF:	DN 15 to DN 50 (1/2" to 2") fitting type S020
	PE, PP, PVDF:	DN 65 to DN 100 (21/2" to 4") weld-o-let fitting type 1501

|	
Enclosure	IP 65 (NEMA 4). Relative humidity max. 80%
Electronic housing	PC
Front plate	Polyester
Sensor housing	PVDF; O-rings FPM / EPDM
Voltage supply	12-30 VDC
Consumption	80 mA (with relays), 20 mA (without relays)
Display	15 x 60 mm LCD 8 digits, alphanumeric 15 segments, 9 mm high
Analog output signal	4… 20 mA programable, proportional to the O.R.P.
Load	<700 Ω at 30 V; <400 Ω at 24 V; <100 Ω at 15 V
Relay output	2 relays 3 A / 230 V; freely adjustable
Electrode	PLA; glass shaft
Diaphragm	Zirkondioxide
Reference electrolyte	gel
Media pressure	0-6 bar (0-87 psi)
Media temperature	0-90 °C (32-194 °F)
Max. pressure at max. temperature	4 bar (58 psi)

Remote version short distance (<5 m)

Pipe diameter	Stainless Steel:	DN 32 to DN 50 (11/4" to 2"); fitting type S020
		DN 65 to 100 weld-in; weld-o-let fitting type 1500
	Brass:	DN 32 to DN 50; fitting type S020
	PVC, PP, PVDF:	DN 15 to DN 50; fitting type S020 (true union ISO)
		DN 32 to DN 50; fitting type S020 (all other versions)
		DN 65 to DN 100 PE/PP/PVDF-weld-o-let fitting type 1501

Enclosure	Wall mounted version IP65 (NEMA4). Rel. humidity max. 80%; ABS Panel version IP 20 (rear plate); IP 65 (front plate); PC
Voltage supply	12 – 30 VDC; (115/230 VAC option wall mounted version)
Consumption	80 mA (with relays), 20 mA (without relays)
Display	15 x 60 mm LCD 8 digits, alphanumeric 15 segments; 9 mm high
Analog output signal	4… 20 mA programable, proportional to the O.R.P.
Load	<700 Ω at 30 V; <400 Ω at 24 V; <100 Ω at 15 V
Relay output	2 relays 3 A / 230 V; freely adjustable

Signal input/connection to sensor 8200	short distance version (<5 m):	analog signal input for coaxial cables from O.R.P.-electrode

Separate pH-sensor type 8200 with O.R.P. electrode

|	Easycontrol	Oxytrode
Measuring range	-2000… +2000 mV	-2000… +2000 mV
Housing	glass shaft	glass shaft
Fluid pressure	0 – 2 bar (0 – 29 psi)	0 – 16 bar (0 – 232 psi)
Fluid temperature	0 – +60 °C (32 – 140 °F)	0 – +130 °C (32 – 266 °F)
Max. pressure at max. temperature	2 bar (29 psi)	3 bar (44 psi)
Diaphragm	ceramic	ceramic
Reference electrolyte	gel	special
O.R.P. -sensor connection		
Connection	Material-connection size	
G 2" with union nut	PVC	
G 1"	PVC; PP; PVDF; SS	
Sanitary	SS DN40; DN 50; DN 65	
Triclamp	SS 50.5 / 64	
Wiring	coaxial cables for O.R.P. : 2 m or 5 m	

burkert

Dimensions [mm (inch)]

Dimensions of the O.R.P. transmitter type 8206 compact
G2" connection

Dimensions O.R.P. transmitter type 8206 panel version

**Dimensions O.R.P. transmitter type 8206 wall-mounted version**
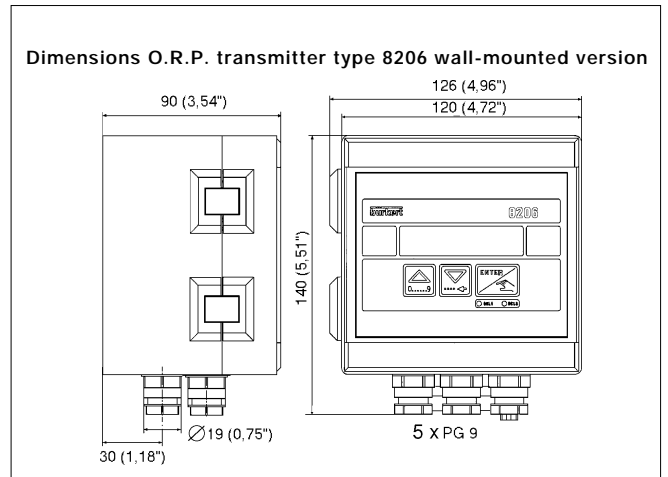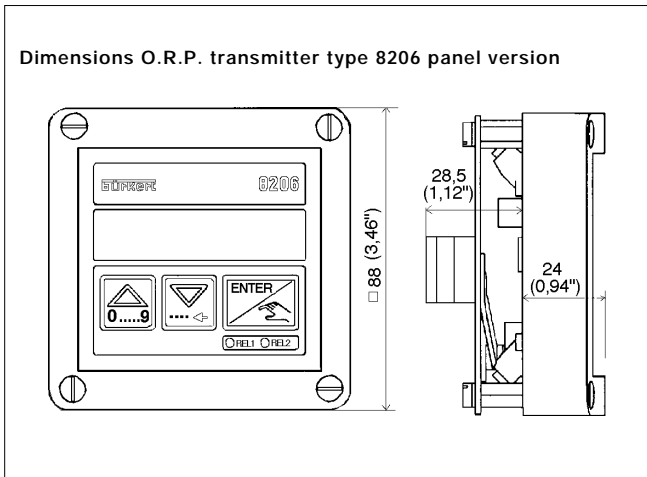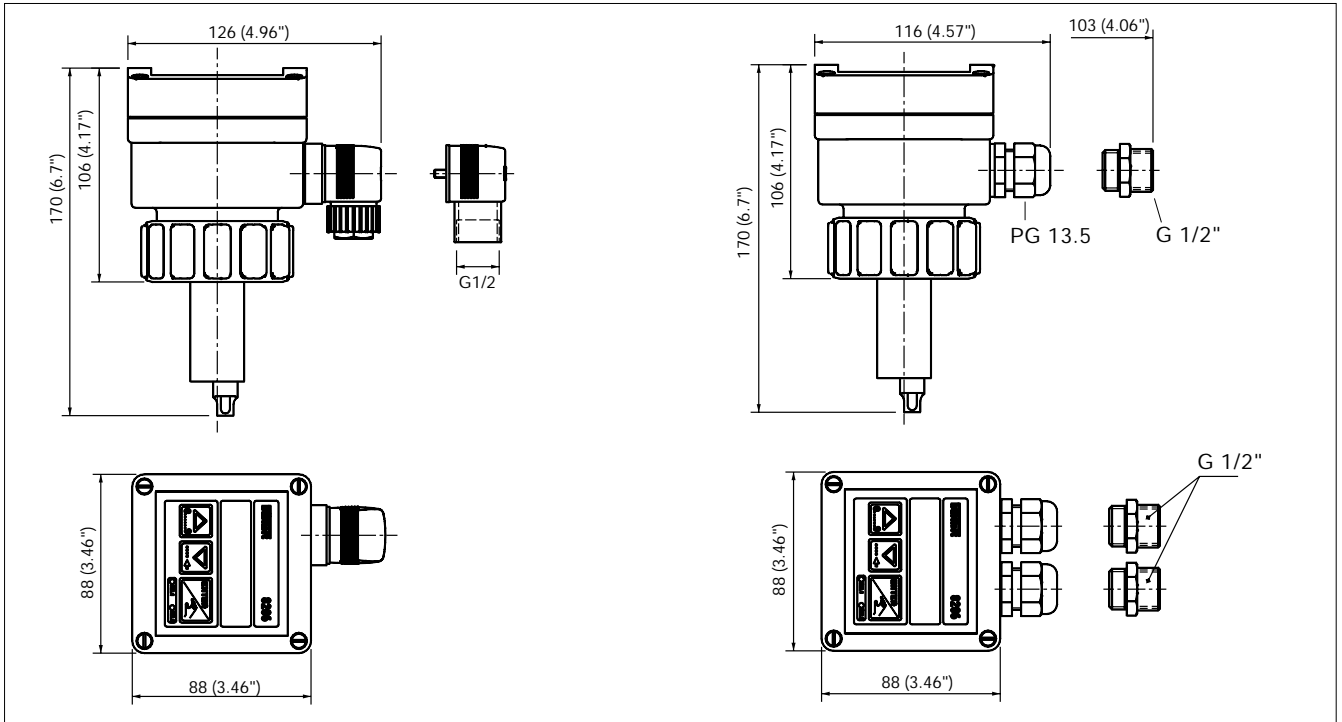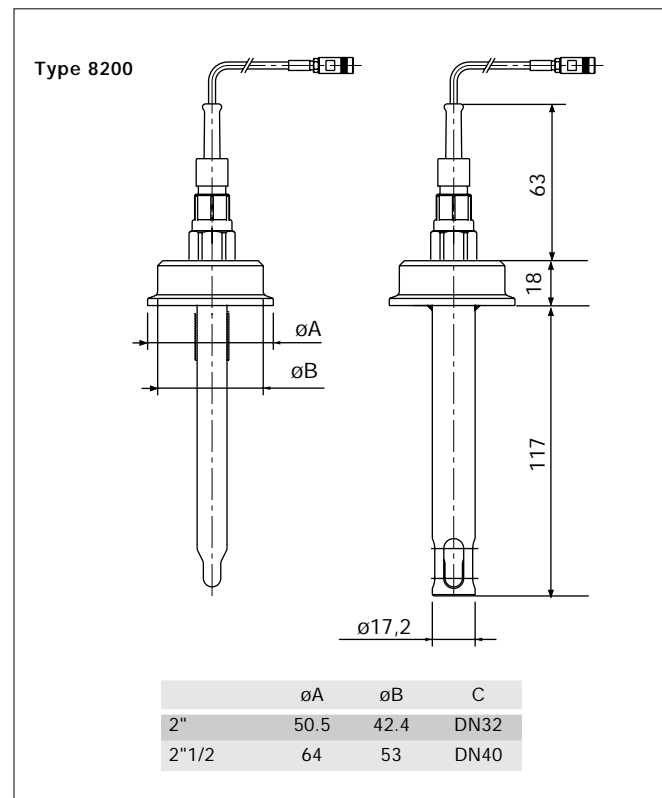
Dimensions [mm]

O.R.P-sensor type 8200 for Burkert fitting type S020; 1500; 1501
G2" connection; Material: PVC, PP, PVDF, SS

Type 8200

O.R.P. -sensor type 8200

Short   Long

ø42
SW36
G1"
NPT1"
Rc1"
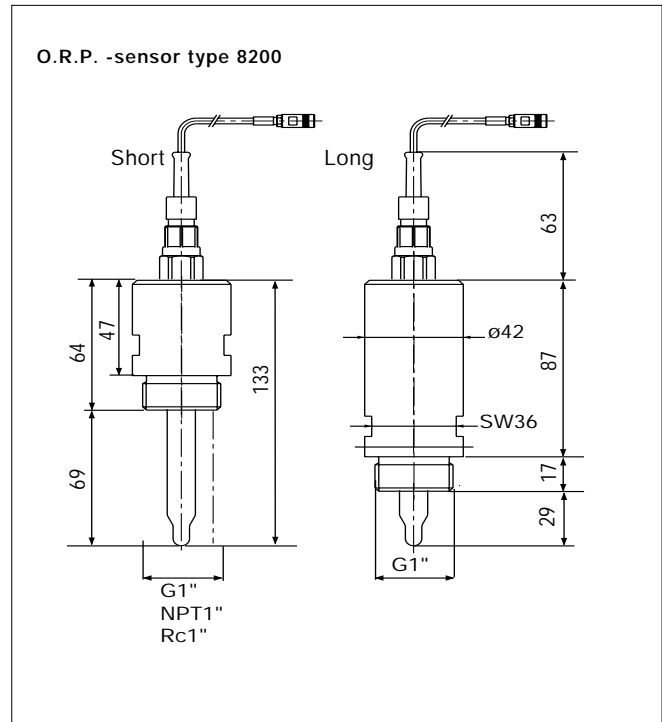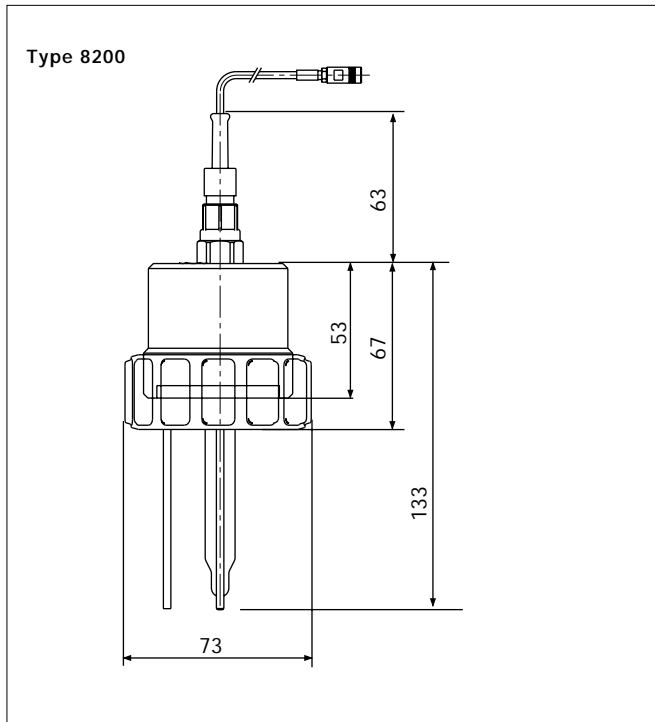
O.R.P.-sensor type 8200 sanitary connection according to DIN 11851
Material: SS (304/1.4301 or 316Ti/1.4571

Type 8200

	øA	øB	C
DN40	56	48	10
DN50	68.5	61	11
DN65	86	79	12
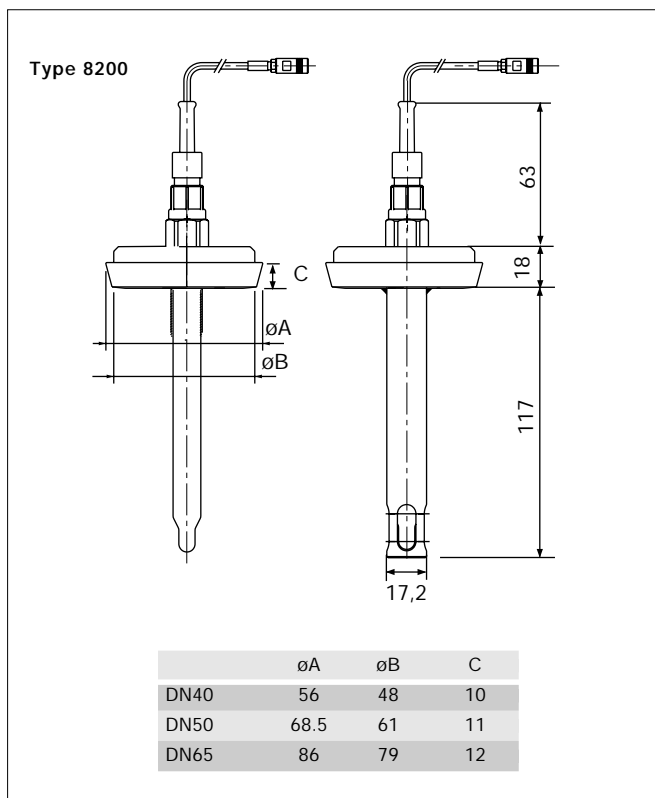
O.R.P-sensor type 8200 Triclamp connection
Material: SS (316L/DIN 1.4404)

Type 8200

	øA	øB	C
2"	50.5	42.4	DN32
2"1/2	64	53	DN40

burkert

Fittings Type S020 DN15 – 50 for transmitter 8206 or sensor 8200 with G2"-connection
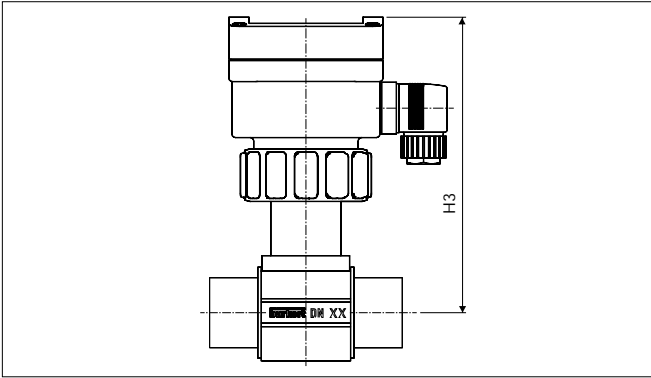
Variable Dimensions [mm]

DN	H 1	H2	H3
15	163	177	177
20	163	177	177
25	163	177	177
32	163	177	177
40	164	178	178
50	170	184	184

Applicable for all fitting materials DN 15 …50 sizes and process connections.

True union - PVC, PP, PVDF

Solvent spigot - PVC, PP, PVDF
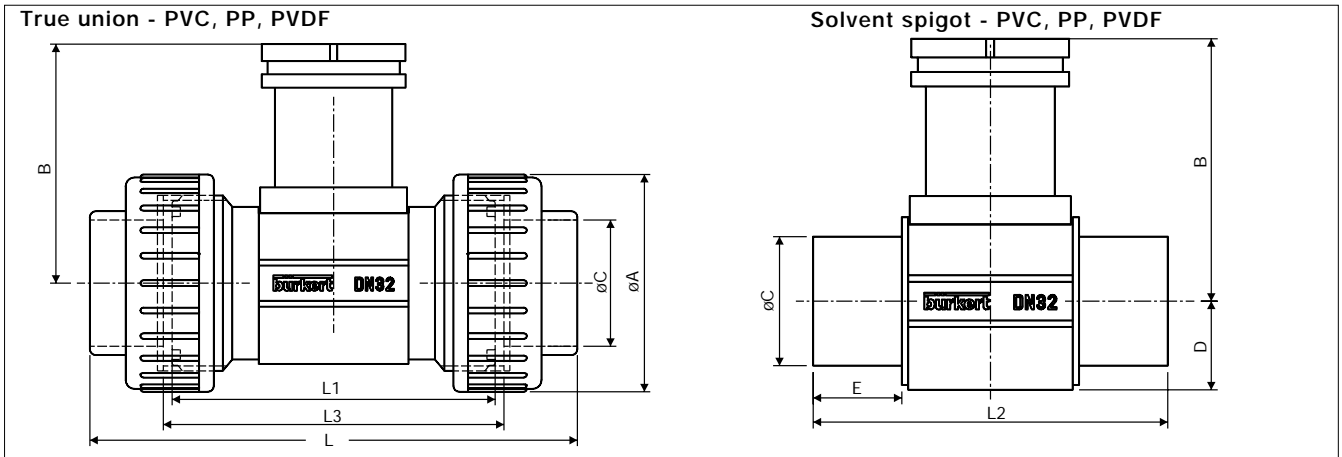
Remote version short distance

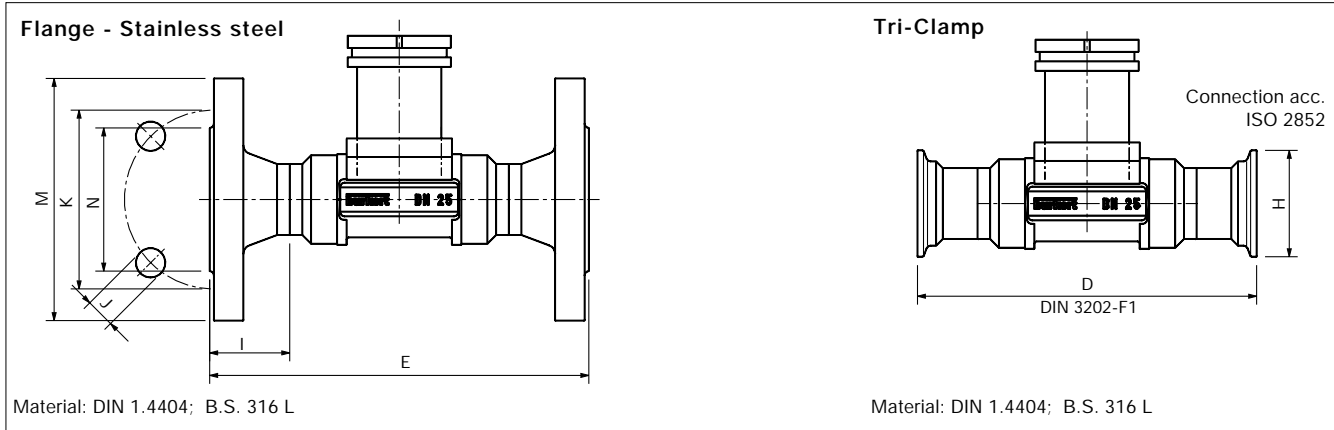|		True union								DN	Solvent spigot			
B	øA	L			øC			L1	L3	DN	D	L2		E
		DIN	ANSI	JIS	(DIN)	(ANSI)*	(JIS)*					PVC	PP/PVDF	PVC	PP/PVDF
81.4	74	148	---	---	20	---	---	110	116	**15**	---	---	---	---	---
81.4	74	154	---	---	25	---	---	110	116	**20**	---	---	---	---	---
81.4	74	160	---	---	32	---	---	110	116	**25**	---	---	---	---	---
81.4	74	168	170.0	169	40	42.2	38.60	110	116	**32**	27.5	110	100	27.5	20
85.2	83	188	190.2	190	50	48.3	48.70	120	127	**40**	31.5	120	106	30.0	23
91.5	103	212	213.6	213	63	60.3	60.80	130	136	**50**	39.5	130	110	37.0	27

* only for PVC with true union

Compact version

		True union								DN	Solvent spigot			
B	øA	L			øC			L1	L3	DN	D	L2		E
		DIN	ANSI	JIS	(DIN)	(ANSI)*	(JIS)*					PVC	PP/PVDF	PVC	PP/PVDF
80.4	43	128	130.0	129	20	21.3	18.40	90	96	**15**	17.5	90	85	16.5	14
77.8	53	144	145.6	145	25	26.7	26.45	100	106	**20**	17.5	100	92	20.0	16
78.0	60	160	161.4	161	32	33.4	32.55	110	116	**25**	21.5	110	95	23.0	18
81.4	74	168	170.0	169	40	42.2	38.60	110	116	**32**	27.5	110	100	27.5	20
85.2	83	188	190.2	190	50	48.3	48.70	120	127	**40**	31.5	120	106	30.0	23
91.5	103	212	213.6	213	63	60.3	60.80	130	136	**50**	39.5	130	110	37.0	27

* only for PVC with true union

Weld ends - Stainless steel

Connection acc. ISO 4200

Material Stainless steel: DIN 1.4404; BS 316L

Male threaded port - Stainless steel / Brass

Material Stainless steel: DIN 1.4404; BS 316L

Female threaded port Stainless steel / Brass -

Material Stainless steel: DIN 1.4404; BS 316L

burkert
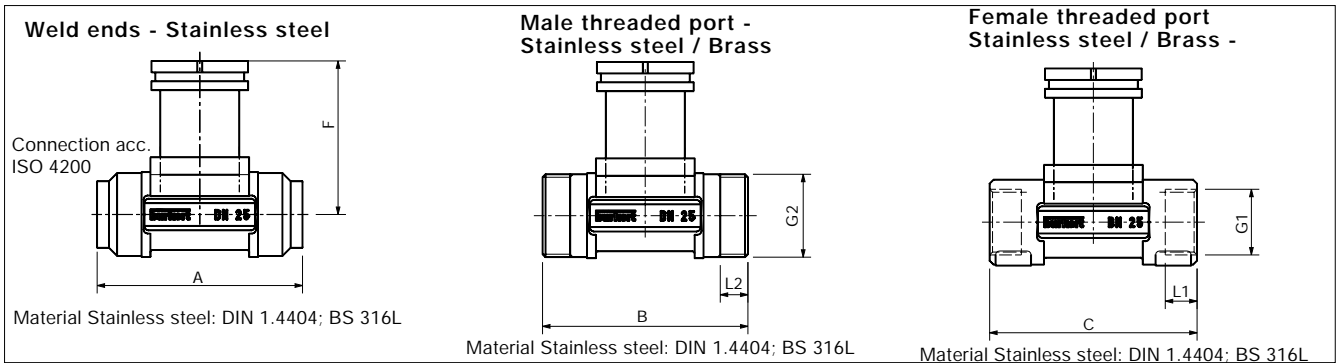
Dimensions [mm] - Fittings S020, DN 15 - 50

Flange - Stainless steel

Tri-Clamp

Connection acc.
ISO 2852

DIN 3202-F1

Material: DIN 1.4404; B.S. 316 L   Material: DIN 1.4404; B.S. 316 L

Variable dimensions [mm] for Weld ends, Male threaded port, Female threaded port, Flange, Tri-Clamp

|	Weld ends	Wall-thick-ness	Length dimensions						Thread				Tri-Clamp	Flange dimensions					
DN	ø out-side		A	B	C	D	E (DIN)(ANSI)	E (JIS)	F	G1	L1	G2	L2	H	Norm*	I	J	K	M	N
32	42.4	2.0	119	119	120	180	180	178	81.6	G 11/4	23.5	G 1/2	18.0	50.5	DIN	31.0	4x18.0	100.0	140	78.0
										NPT 11/4	21.0				ANSI	31.0	4x15.8	88.9	117	63.5
										Rc	21.0				JIS	31.0	4x19.0	100.0	135	76.0
40	48.3	2.0	129	129	130	200	200	190	85.4	G 11/2	23.5	M55x2	19.0	64.0	DIN	36.0	4x18.0	110.0	150	88.0
										NPT 11/2	20.0				ANSI	36.0	4x15.8	98.4	127	73.0
										Rc 11/2	19.0				JIS	36.0	4x19.0	105.0	140	81.0
50	60.3	2.6	149	149	150	230	230	216	91.5	G 2	27.5	M64x2	20.0	77.5	DIN	41.0	4x18.0	125.0	165	102.0
										NPT 2	24.0				ANSI	41.0	4x19.0	120.6	152	92.1
										Rc 2	24.0				JIS	41.0	4x19.0	120.0	155	96.0

Table title: Remote version short distance

	Weld ends	Wall-thick-ness	Length dimensions						Thread				Tri-Clamp	Flange dimensions					
DN	ø out-side		A	B	C	D	E (DIN)(ANSI)	E (JIS)	F	G1	L1	G2	L2	H	Norm*	I	J	K	M	N
15	21.3	1.6	84	84	85	130	130	140	80.3	G 1/2	16.0	G3/4	11.5	34.0	DIN	23.5	4x14.0	65.0	95	45.0
										NPT 1/2	17.0				ANSI	23.5	4x15.8	60.3	89	34.9
										Rc 1/2	15.0				JIS	23.5	4x15.0	70.0	95	51.0
20	26.9	1.6	94	94	95	150	150	152	77.8	G 3/4	17.0	G 1	13.5	50.5	DIN	28.5	4x14.0	75.0	105	58.0
										NPT 3/4	18.3				ANSI	28.5	4x15.8	69.8	99	42.9
										Rc 3/4	16.3				JIS	28.5	4x15.0	75.0	100	56.0
25	33.7	2.0	104	104	105	160	160	165	78.0	G 1	23.5	G 1/14	14.0	50.5	DIN	28.5	4x14.0	85.0	115	68.0
										NPT 1	18.0				ANSI	28.5	4x15.8	79.4	108	50.8
										Rc 1	18.0				JIS	28.5	4x19.0	90.0	125	67.0
32	42.4	2.0	119	119	120	180	180	178	81.6	G 11/4	23.5	G 1/2	18.0	50.5	DIN	31.0	4x18.0	100.0	140	78.0
										NPT 11/4	21.0				ANSI	31.0	4x15.8	88.9	117	63.5
										Rc	21.0				JIS	31.0	4x19.0	100.0	135	76.0
40	48.3	2.0	129	129	130	200	200	190	85.4	G 11/2	23.5	M55x2	19.0	64.0	DIN	36.0	4x18.0	110.0	150	88.0
										NPT 11/2	20.0				ANSI	36.0	4x15.8	98.4	127	73.0
										Rc 11/2	19.0				JIS	36.0	4x19.0	105.0	140	81.0
50	60.3	2.6	149	149	150	230	230	216	91.5	G 2	27.5	M64x2	20.0	77.5	DIN	41.0	4x18.0	125.0	165	102.0
										NPT 2	24.0				ANSI	41.0	4x19.0	120.6	152	92.1
										Rc 2	24.0				JIS	41.0	4x19.0	120.0	155	96.0

Table title: Compact version

* Flange: DIN 2501/2633, length according to DIN 3201-F1;
       ANSI B16-5-1988, length according to DIN 3201-F1
       JIS 10K, length according to ANSI B16-10

Digital O.R.P. Transmitter

Dimensions [mm] - Fittings DN 65 - 100

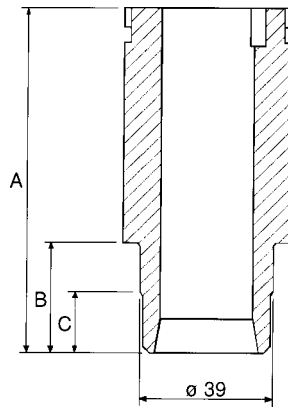### Weld-o-let fittings with radius - Stainless steel

Material: 1.4404 (DIN),
316L (B.S.)

ø 27,6
ø 33,6
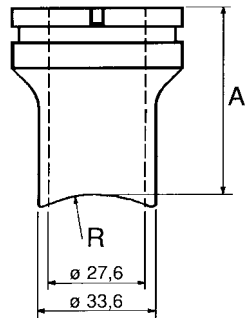
Variable Dimensions [mm]

DN	A	R
65	54.52	36.65
80	53.07	44.45
100	50.71	57.15

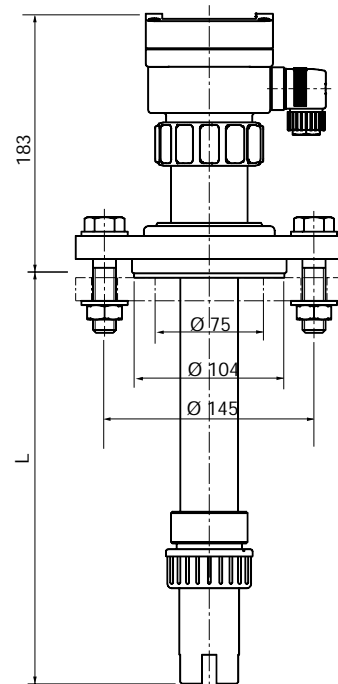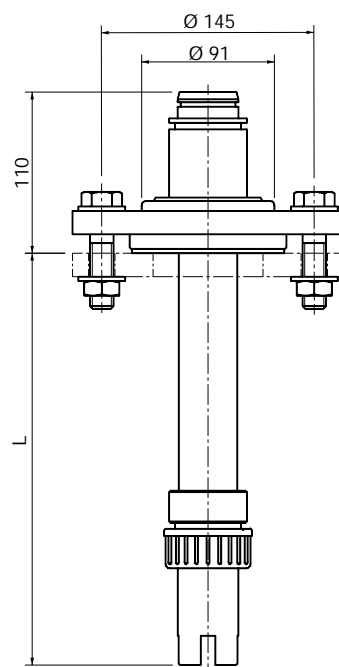### Weld-o-let fittings - PE, PP, PVDF

ø 39

Variable Dimensions [mm]

DN	A	PE		PP		PVDF	
		B	C	B	C	B	C
65-100	72.5	13	---	13	---	10.4	---

Immersion fitting - PP

Lengths L: 500, 1000,
1500, 2000

Ø 145
Ø 91
110
L

183
Ø 75
Ø 104
Ø 145
L

Digital O.R.P. Transmitter

Type 8206

A compact version of O.R.P. transmitter Type 8206 consists of two basic units as follows:

- Fitting type S020 (DN15 to DN50) or 1500/1501 (DN65 to DN200)
- Compact O.R.P. transmitter

TYPE DESCRIPTION	Electrode	Gasket	ITEM-No Worldwide Standard Plug, PG 9	ITEM-No Worldwide Standard 1 x PG 13.5	ITEM-No North America Standard Plug G 1/2"
O.R.P-transmitter compact 4-20 mA output, no relay, 12 – 30 VDC; with Pt1000					
Compact O.R.P. transmitter 8206	PLA	FPM	418 836 K	418 850 D	418 860 F
Compact O.R.P. transmitter 8206	PLA	EPDM	418 849 G	418 851 S	418 867 S

TYPE DESCRIPTION	Electrode	Gasket	ITEM-No Worldwide Standard 2 x PG 13.5		ITEM-No North America Standard 2 x G 1/2"
O.R.P.-transmitter compact 4-20 mA output; 2 relay outputs; 12 – 30 VDC; with Pt1000					
Compact O.R.P. transmitter 8206	PLA	FPM	418 837 L		418 861 U
Compact O.R.P. transmitter 8206	PLA	EPDM	418 857 Y		418 873 Y

A separate version of O.R.P-transmitter consists of five basic units as follows:

- Fitting type S020 (DN15 to DN50) or 1500/1501 (DN65 to DN200)
- O.R.P. holder
- O.R.P. electrode
- cable for O.R.P. electrode
- O.R.P. transmitter 8206 wall- or panel mounted version

TYPE DESCRIPTION	Pulse output	Cable connection	Power supply	ITEM-No
O.R.P. transmitter panel mounted version for separate sensor type 8200; 4-20 mA output				
Panel mounted transmitter 8206 max. 5 m to sensor	no	clamps	12 – 30 VDC	429 088 U
Panel mounted transmitter 8206 max. 5 m to sensor	2 x relay	clamps	12 – 30 VDC	430 754 G
O.R.P. transmitter wall mounted version for separate sensor type 8200; 4-20 mA output				
Wall mounted transmitter 8206 max. 5 m to sensor	no	5 x PG 9	12 – 30 VDC	430 755 H
Wall mounted transmitter 8206 max. 5 m to sensor	2 x relay	5 x PG 9	12 – 30 VDC	430 756 A
Wall mounted transmitter 8206 max. 5 m to sensor	no	5 x PG 9	115 – 230 VAC	430 757 B
Wall mounted transmitter 8206 max. 5 m to sensor	2 x relay	5 x PG 9	115 – 230 VAC	430 758 L

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Ordering Data

TYPE DESCRIPTION	Material	Boring for connection Sensor	Protection Tube	ITEM-No
O.R.P.-holder type 8200 without O.R.P.-electrode				
8200 short version G1" connection thread	PVC	no	no	429 220 G
8200 long version G1" connection thread	PVC	no	no	429 222 W
8200 short version 1"NPT connection thread	PVC	no	no	430 165 S
8200 long version 1"NPT connection thread	PVC	no	no	430 167 U
8200 short version RC 1" connection thread	PVC	no	no	430 169 E
8200 long version RC 1" connection thread	PVC	no	no	430 171 Y
8200 with G 2" connection for fitting type S020; 1500; 1501	PVC	no	no	429 224 Y
8200 with G 2" connection for fitting type S020; 1500; 1501	PP	no	no	429 225 Z
8200 with G 2" connection for fitting type S020; 1500; 1501	PVDF	no	no	429 226 S
8200 with G 2" connection for fitting type S020; 1500; 1501	SS	no	no	429 227 T
8200 with Triclamp connection DN 32 (dia 50.5 mm)	SS 316 L	no	no	429 232 Y
8200 with Triclamp connection DN 32 (dia 50.5 mm)	SS 316 L	no	yes	429 233 Z
8200 with Triclamp connection DN 40 (dia 64 mm)	SS 316 L	no	no	429 236 U
8200 with Triclamp connection DN 40 (dia 64 mm)	SS 316 L	no	yes	429 237 V
8200 with sanitary connection DN 40 DIN 11851	SS 304	no	no	429 240 L
8200 with sanitary connection DN 40 DIN 11851	SS 304	no	yes	429 242 A
8200 with sanitary connection DN 40 DIN 11851	SS 316 Ti	no	no	429 241 H
8200 with sanitary connection DN 40 DIN 11851	SS 316 Ti	no	yes	429 243 B
8200 with sanitary connection DN 50 DIN 11851	SS 304	no	no	429 248 Q
8200 with sanitary connection DN 50 DIN 11851	SS 304	no	yes	429 250 N
8200 with sanitary connection DN 50 DIN 11851	SS 316 Ti	no	no	429 249 R
8200 with sanitary connection DN 50 DIN 11851	SS 316 Ti	no	yes	429 253 D
8200 with sanitary connection DN 65 DIN 11851	SS 304	no	no	429 256 G
8200 with sanitary connection DN 65 DIN 11851	SS 304	no	yes	429 260 Q
8200 with sanitary connection DN 65 DIN 11851	SS 316 Ti	no	no	429 257 H
8200 with sanitary connection DN 65 DIN 11851	SS 316 Ti	no	yes	429 261 D

TYPE DESCRIPTION	Material	Temperatur Range	Pressure	ITEM-No
ACCESSORIES				
O.R.P. electrodes 120 mm for sensor type 8200				
EASYCONTROL +/-2000 mV	glass	0… 60 °C	2 bar	427 250 C
OXYTRODE +/-2000 mV	glass	0… 130 °C	16 bar	427 251 Z
Connection Cables between 8206 controller and 8200 sensor; short distance				
O.R.P coaxial cable with standard electrode plug		2 m		427 024 H
O.R.P coaxial cable with standard electrode plug		5 m		427 025 A
Gaskets				
Gasket for all fitting type 8200	FPM			429 264 G
Gasket for all fitting type 8200	EPDM			429 265 H
Accessories for tank installation (compact version)				
Immersion fitting	PP	0.5 m		419 567 W
Immersion fitting	PP	1.0 m		419 568 F
Immersion fitting	PP	1.5 m		419 569 G
Immersion fitting	PP	2.0 m		419 570 D
Extension cable for immersion fitting		0.5 m		413 499 M
Extension cable for immersion fitting		1.0 m		413 500 S
Extension cable for immersion fitting		1.5 m		413 501 P
Extension cable for immersion fitting		2.0 m		413 502 Q
Fixing Kit – Flange DN65 with SS-screws	PP			413 615 Q

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Ordering Data of Stainless Steel Fittings Type S020

Diameters	Materials	ITEM - No. Compact vers.	ITEM - No. Remote short dist.
SS - Female G-Threaded Ports			
DN 15	SS, FPM	428 736 Y	--- ---
DN 20	SS, FPM	428 737 Z	--- ---
DN 25	SS, FPM	428 738 A	--- ---
DN 32	SS, FPM	428 739 B	428 739 B
DN 40	SS, FPM	428 740 Q	428 740 Q
DN 50	SS, FPM	428 741 D	428 741 D
SS - Female NPT-Threaded Ports			
DN 15	SS, FPM	428 742 E	--- ---
DN 20	SS, FPM	428 743 F	--- ---
DN 25	SS, FPM	428 744 G	--- ---
DN 32	SS, FPM	428 745 H	428 745 H
DN 40	SS, FPM	428 746 A	428 746 A
DN 50	SS, FPM	428 747 B	428 747 B
SS - Female ISO7 (JIS) Threaded Ports			
DN 15	SS, FPM	428 748 L	--- ---
DN 20	SS, FPM	428 749 M	--- ---
DN 25	SS, FPM	428 750 J	--- ---
DN 32	SS, FPM	428 751 F	428 751 F
DN 40	SS, FPM	428 752 G	428 752 G
DN 50	SS, FPM	428 753 H	428 753 H
SS- Male G Threaded Ports			
DN 15	SS, FPM	428 754 A	--- ---
DN 20	SS, FPM	428 755 B	--- ---
DN 25	SS, FPM	428 756 C	--- ---
DN 32	SS, FPM	428 757 D	428 757 D
DN 40	SS, FPM	428 758 N	428 758 N
DN 50	SS, FPM	428 759 P	428 759 P
SS - Weld Ends			
DN 15	SS, FPM	428 760 L	--- ---
DN 20	SS, FPM	428 761 H	--- ---
DN 25	SS, FPM	428 762 A	--- ---
DN 32	SS, FPM	428 763 B	428 763 B
DN 40	SS, FPM	428 764 C	428 764 C
DN 50	SS, FPM	428 765 D	428 765 D
SS - Tri-Clamp (ISO 2852)			
DN 15	SS, FPM	428 766 E	--- ---
DN 20	SS, FPM	428 767 F	--- ---
DN 25	SS, FPM	428 768 Q	--- ---
DN 32	SS, FPM	428 769 R	428 769 R
DN 40	SS, FPM	428 770 N	428 770 N
DN 50	SS, FPM	428 771 B	428 771 B
SS - DIN Flanges (DIN 2501)			
DN 15	SS, FPM	428 772 C	--- ---
DN 20	SS, FPM	428 773 D	--- ---
DN 25	SS, FPM	428 774 E	--- ---
DN 32	SS, FPM	428 775 F	428 775 F
DN 40	SS, FPM	428 776 G	428 776 G
DN 50	SS, FPM	428 777 H	428 777 H
SS - Flanges (JIS 10K)			
DN 15	SS, FPM	431 053 J	--- ---
DN 20	SS, FPM	431 054 K	--- ---
DN 25	SS, FPM	431 055 L	--- ---
DN 32	SS, FPM	431 056 M	431 056 M
DN 40	SS, FPM	431 057 N	431 057 N
DN 50	SS, FPM	431 058 X	431 058 X

Diameters	Materials	ITEM - No. Compact vers.	ITEM - No. Remote short dist.
SS - ANSI Flanges (ANSI B16-5-1988)			
DN 15	SS, FPM	428 778 J	--- ---
DN 20	SS, FPM	428 779 K	--- ---
DN 25	SS, FPM	428 780 H	--- ---
DN 32	SS, FPM	428 781 W	428 781 W
DN 40	SS, FPM	428 782 X	428 782 X
DN 50	SS, FPM	428 783 Y	428 783 Y
SS - Weld-o-let			
DN 65	SS	418 112 M	418 112 M
DN 80	SS	418 113 N	418 113 N
DN 100	SS	418 114 P	418 114 P

Ordering Data of Brass Fittings Type S020

Diameters	Materials	ITEM - No. Compact vers.	ITEM - No. Remote short dist.
Brass - Female G-Threaded Ports			
DN 15	Brass, FPM	428 712 Y	--- ---
DN 20	Brass, FPM	428 713 Z	--- ---
DN 25	Brass, FPM	428 714 S	--- ---
DN 32	Brass, FPM	428 715 T	428 715 T
DN 40	Brass, FPM	428 716 U	428 716 U
DN 50	Brass, FPM	428 717 V	428 717 V
Brass - Female NPT-Threaded Ports			
DN 15	Brass, FPM	428 718 E	--- ---
DN 20	Brass, FPM	428 719 F	--- ---
DN 25	Brass, FPM	428 720 C	--- ---
DN 32	Brass, FPM	428 721 Z	428 721 Z
DN 40	Brass, FPM	428 722 S	428 722 S
DN 50	Brass, FPM	428 723 T	428 723 T
Brass - Female ISO7 (JIS) Threaded Ports			
DN 15	Brass, FPM	428 724 U	--- ---
DN 20	Brass, FPM	428 725 V	--- ---
DN 25	Brass, FPM	428 726 W	--- ---
DN 32	Brass, FPM	428 727 X	428 727 X
DN 40	Brass, FPM	428 728 G	428 728 G
DN 50	Brass, FPM	428 729 H	428 729 H
Brass - Male G/metric Threaded Ports			
DN 15	Brass, FPM	428 730 E	--- ---
DN 20	Brass, FPM	428 731 T	--- ---
DN 25	Brass, FPM	428 732 U	--- ---
DN 32	Brass, FPM	428 733 V	428 733 V
DN 40	Brass, FPM	428 734 W	428 733 V
DN 50	Brass, FPM	428 735 X	428 735 X

Digital O.R.P. Transmitter

Type 8206

Ordering Data of Plastic Fittings Type S020

Diameters	Materials	I T E M - No. Compact vers.	I T E M - No. Remote short dist.
PVC - True union DIN			
DN 15	PVC, FPM	428 670 J	430 837 L
DN 20	PVC, FPM	428 671 F	430 838 V
DN 25	PVC, FPM	428 672 G	430 839 W
DN 32	PVC, FPM	428 673 H	428 673 H
DN 40	PVC, FPM	428 674 A	428 674 A
DN 50	PVC, FPM	428 675 B	428 675 B
PVC - True union ASTM			
1/2"	PVC, FPM	428 682 T	--- ---
3/4"	PVC, FPM	428 683 U	--- ---
1"	PVC, FPM	428 684 V	--- ---
1" 1/4"	PVC, FPM	428 685 W	428 685 W
1" 3/4"	PVC, FPM	428 686 X	428 686 X
2"	PVC, FPM	428 687 Y	428 687 Y
PVC - True union JIS			
DN 15	PVC, FPM	429 078 H	--- ---
DN 20	PVC, FPM	429 079 A	--- ---
DN 25	PVC, FPM	429 080 Y	--- ---
DN 32	PVC, FPM	429 081 M	429 081 M
DN 40	PVC, FPM	429 082 N	429 082 N
DN 50	PVC, FPM	429 083 P	429 083 P
PVC - Solvent Spigot			
DN 15	PVC, FPM	428 676 C	--- ---
DN 20	PVC, FPM	428 677 D	--- ---
DN 25	PVC, FPM	428 678 N	--- ---
DN 32	PVC, FPM	428 679 P	428 679 P
DN 40	PVC, FPM	428 680 D	428 680 D
DN 50	PVC, FPM	428 681 S	428 681 S
PE - Weld-o-let			
DN 65-100	PE	418 642 G	418 642 G

Diameters	Materials	I T E M - No. Compact vers.	I T E M - No. Remote short dist.
PP - True Union with Threaded Port			
DN 15	PP, FPM	428 688 H	430 840 B
DN 20	PP, FPM	428 689 A	430 841 Y
DN 25	PP, FPM	428 690 F	430 842 Z
DN 32	PP, FPM	428 691 U	428 691 U
DN 40	PP, FPM	428 692 V	428 692 V
DN 50	PP, FPM	428 693 W	428 693 W
PP - Weld Ends			
DN 15	PP, FPM	428 694 X	--- ---
DN 20	PP, FPM	428 695 Y	--- ---
DN 25	PP, FPM	428 696 Z	--- ---
DN 32	PP, FPM	428 697 S	428 697 S
DN 40	PP, FPM	428 698 B	428 698 B
DN 50	PP, FPM	428 699 C	428 699 C
PP - Weld-o-let			
DN 65-100	PP	418 650 L	418 650 L
PVDF - True Union with Threaded Port			
DN 15	PVDF, FPM	428 700 R	430 843 S
DN 20	PVDF, FPM	428 701 E	430 844 T
DN 25	PVDF, FPM	428 702 F	430 845 U
DN 32	PVDF, FPM	428 703 G	428 703 G
DN 40	PVDF, FPM	428 704 H	428 704 H
DN 50	PVDF, FPM	428 705 A	428 705 A
PVDF - Weld Ends			
DN 15	PVDF, FPM	428 706 B	--- ---
DN 20	PVDF, FPM	428 707 C	--- ---
DN 25	PVDF, FPM	428 708 M	--- ---
DN 32	PVDF, FPM	428 709 N	428 709 N
DN 40	PVDF, FPM	428 710 A	428 710 A
DN 50	PVDF, FPM	428 711 X	428 711 X
PVDF - Weld-o-let			
DN 65-100	PVDF	418 658 Q	

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Ordering Data for O.R.P. transmitter 8206

Easy ON/OFF Control

-50%

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