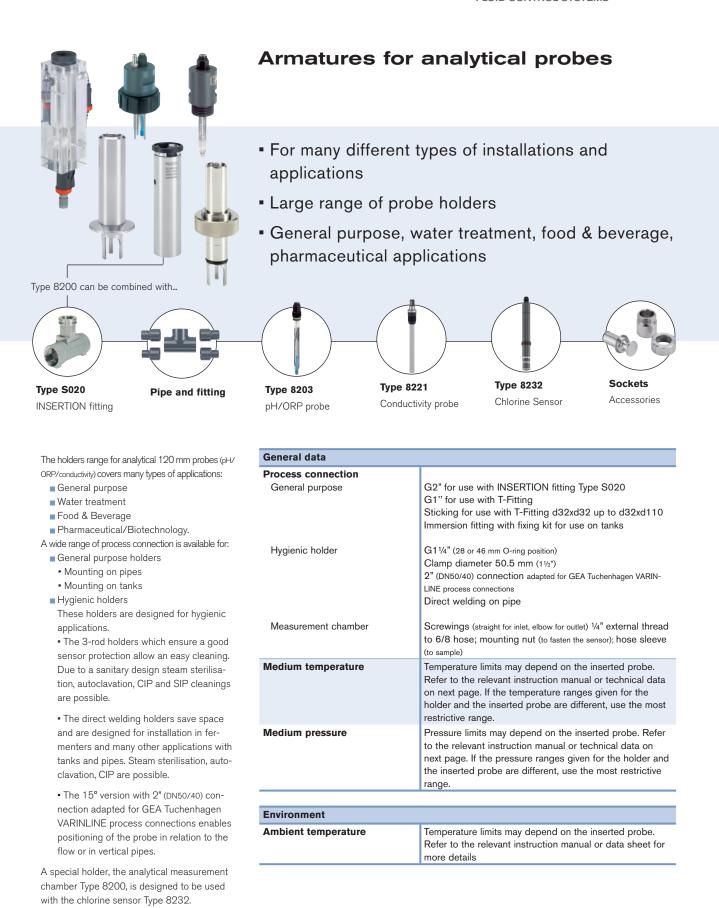
8200

# **burkert**



avrora-arm.ru +7 (495) 956-62-18



0 to 50°C (32 to 122°F)

PVC FKM

General purpose holder G1" or stick connection

General purpos G2" connection	e holder	<b>.</b>	General G1" or s
<b>Materials</b> Body Seal	Stainless steel 316L 1.4404, PVC FKM (EPDM option)		e <b>rials</b> ody eal
Medium temperature	with S020 fitting in PVC: 0 to 50°C ( <i>32 to 122°F</i> ), Stainless steel: -20 to 130°C ( <i>5 to 266°F</i> )		dium perature
Medium pressure	with S020 fitting in PVC: PN10 (145 PSI), Stainless steel: PN16 (232 PSI)	Mee	dium pres
General purpos	e holder Ig with fixing kit		Hygieni G1¼" co
Materials Sensor holder Extension tube Seal Screws	PVDF PP FKM (EPDM option) Stainless steel		e <b>rials</b> ody eal
Medium temperature	0 to 80°C (32 to 176°F)	tem	dium perature dium pres
	- short immersion depth 50.5 mm (1½") connection	1	Hygieni Clamp o
<b>Materials</b> Body Seal	Stainless steel (316L/1.4435) EPDM (FDA)		t <b>erials</b> ody eal
Medium temperature Medium pressure	-10 to 135°C (14 to 275°F) Max. 6 bar (max. 87 PS)	tem	dium perature dium pres
Hygienic holder	nnection adapted for GEA Tuchenhagen VARIN-		Hygieni Direct w
<b>Materials</b> Body Seal	Stainless steel (316L/1.4435) EPDM (FDA)		t <b>erials</b> ody eal
Medium temperature	-10 to 135°C (14 to 275°F)	tem	dium perature
Medium pressure	Max. 6 bar (max. 87 PSI)	Mee	dium pres

•					
Medium pressure	PN10 (145 PSI)				
Hygienic holder G1¼" connection (28 or 46 mm O-ring position)					
<b>Materials</b> Body Seal	Stainless steel (316L/1.4435) EPDM (FDA)				
Medium temperature	-10 to 135°C (14 to 275°F)				
Medium pressure	Max. 6 bar (max. 87 PSI)				

Hygienic holder - long immersion depth Clamp diameter 50.5 mm (1½") connection			
<b>Materials</b> Body Seal	Stainless steel (316L/1.4404) FKM		
Medium temperature	-10 to 135°C (14 to 275°F)		
Medium pressure	Max. 6 bar (max. 87 PSI)		

Hygienic holder Direct welding connection				
<b>Materials</b> Body Seal	Stainless steel (316L/1.4435) EPDM (FDA)			
Medium temperature	-10 to 140°C (14 to 284°F)			
Medium pressure	Max. 16 bar (max. 232 PSI)			

#### Analytical measurement chamber

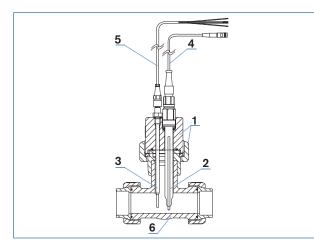
Materials			
Body	PMMA polished, beveled edges		
Mounting nut	PVC-U grey		
O-ring holder	PVDF nature		
Slide ring (30x25.5x4)	PETP black		
O-ring (30x2.6)	FPM		
O-ring (25x2.5)	Silicone		
Hose connection	PA		
Inlet ball valve	PVC-U		
Float	PEEK, steel 1.0037		
O-ring flat (12x6x2)	Silicone transparent		
Sample valve			
Ball valve (with hose sleeve)	PVC-U		
Elbow screwing	Stainless steel		
Medium temperature	Max. 45°C (max. 113°F)		
Medium pressure	Max. 4 bar (max. 58 PSI) - Permitted operating		
	pressure of the sensor has to be respected		





#### Installation example of Type 8200

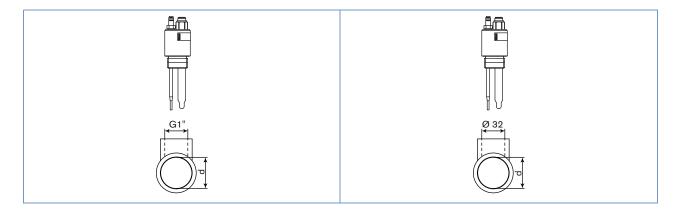
#### Probe holder Type 8200 for installation on Bürkert fitting S020



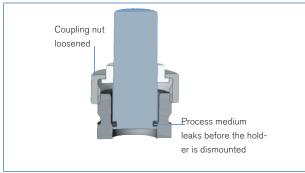
A complete pH/ORP/conductivity sensor consists of

- 1. Complete probe holder Type 8200 with nut and seals
- 2. pH/O.R.P probe or conductivity probe with PG13.5 connection
- 3. Pt1000/liquid earth rod (option, if needed)
- 4. Shielded cable for pH/ORP or conductivity cable varioPin (6.0)
- 5. Shielded cable for Pt1000/liquid earth rod (option, if needed)
- 6. Bürkert fitting S020 (G2" connection)

#### G1" or sticking probes holders Type 8200 for installation on T-Fitting



#### G11/4" probes holder with O-ring position of 28 or 46 mm Type 8200 for installation on sockets



The G11/4" probes holder with O-ring position of 28 mm or 46 mm has to be mounted into sockets which are welded on pipes or tanks.

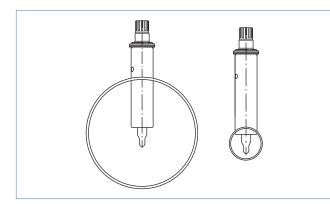
#### Sockets 15°

Robust weld-in socket with 15° angle to be mounted on tanks. The sockets have a safety construction. The socket seals only if the o-ring of the holder is exactly at the right place. Otherwise the medium leaks through the G11/4" coupling nut.



#### Installation example of Type 8200 (continuation)

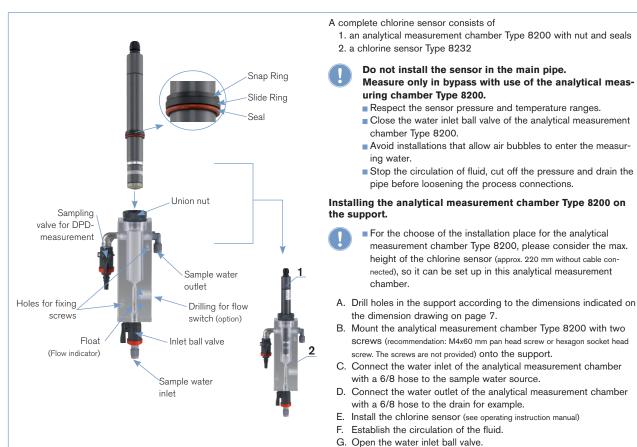
Direct welding probes holder Type 8200 for installation on pipe



The steel mantle can be welded into a hole in the tank wall at virtually any depth.

As a result the probe is always immersed to exactly the desired position in the tank.

The O-ring can be easily replaced thanks to the « seal pusher » part. By screwing in an adapter instead of a pH sensor, conductivity sensors can be mounted practically flush with the holder and is then designed in accordance with EHEDG guidelines.

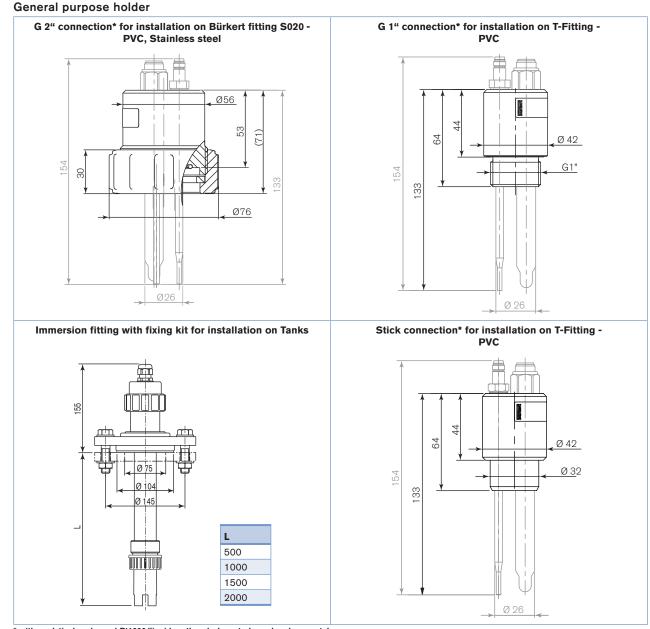


#### Analytical measurement chamber Type 8200





## Dimensions [mm]

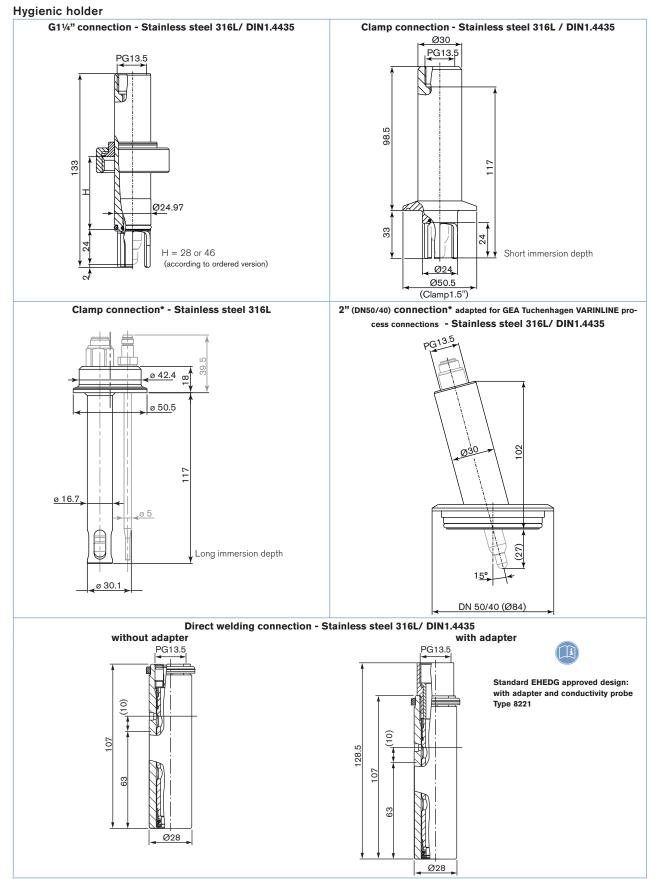


\* with analytical probe and Pt1000/liquid earth rod - have to be ordered separately





#### Dimensions [mm] (continuation)



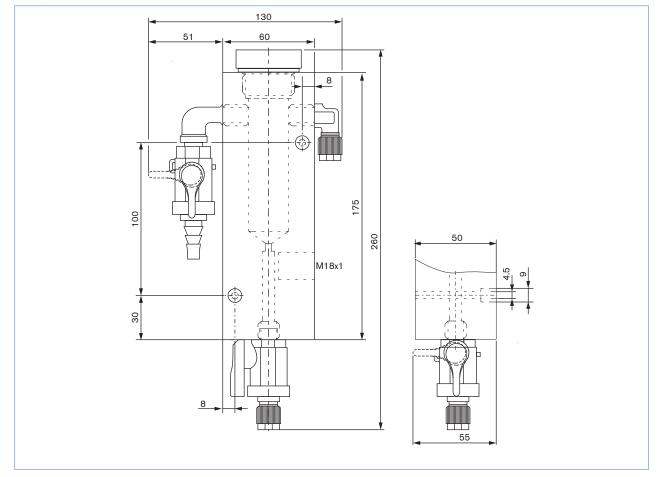
\* with analytical probe and Pt1000/liquid earth rod - have to be ordered separately



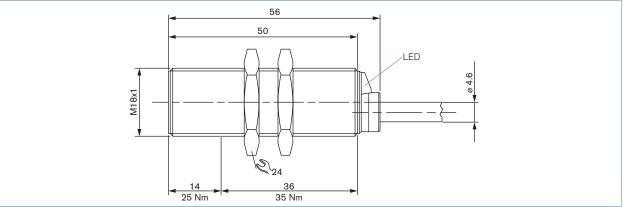


#### Dimensions [mm] (continuation)

#### Analytical measurement chamber









#### Ordering information for complete pH/ORP sensor using Type 8200

#### Combining the probe holder Type 8200 with fittings Type S020

ND		DN15	DN32	DN50 DN65	DN100	DN200	
fitting D	T-Fitting 🍌 🦾		Ì				
	Weld-in socket 🎬						
Available	Fusion spigot						
	lytical measurement using probe der G2" connection for S020		Note A	÷			

Note A: Only use plastic fitting in analytical version with true union acc. to DIN8063 (PVC), to DIN16962 (PP) or to ISO10931 (PVDF), see data sheet Type S020

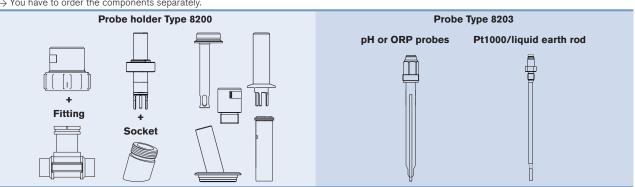
#### pH/O.R.P sensor for tank or pipe installation

A complete pH/ORP sensor consists of a probe holder Type 8200 with seals, a pH or O.R.P probe Type 8203, a Pt1000/liquid earth rod (option) and a fitting according to the selected holder.

The following information is necessary for the selection of a complete device:

- •Item no. of the desired probe holder Type 8200 (see ordering chart, p. 10)
- •Item no. of the selected pH or O.R.P probe Type 8203 (see separate data sheet)
- •Item no. of the Pt1000/liquid earth rod if needed (see separate data sheet Type 8203)
- When you click on the orange box "More info,", you will come to our website for the resp. product where You can download the data sheet.
- •Item no. of the selected fitting Type S020 (DN15 DN200) only if probe holder with G 2" connection (see separate data sheet) or of the select socket **only** if probes holder with G11/4" connection with o-ring position of 28 or 46 mm (see ordering chart, p. 10)

 $\rightarrow$  You have to order the components separately.



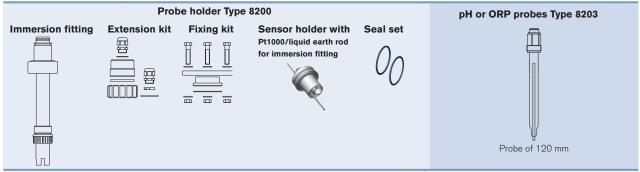
#### pH/O.R.P sensor for tank installation with the immersion fitting

A complete pH/ORP sensor for tank installation consists of an immersion fitting, an extension kit for immersion fitting, a fixing kit (flange DN65 with stainless steel screws), a probe holder with Pt1000/liquid earth rod, a pH or ORP probe Type 8203 and a seal.

The following information is necessary for the selection of a complete device:

- •Item no. of the immersion fitting (see ordering chart of probe holders, p. 10)
- •Item no. of the extension kit for the immersion fitting (see ordering chart of accessories, p. 10)
- •Item no. of the fixing kit (flange DN65 with stainless steel screws see ordering chart of accessories, p. 10)
- -Item no. of the probe holder for immersion fitting with Pt1000/liquid earth rod (see ordering chart of probe holder, p. 10)
- •Item no. of the 120 mm pH or ORP probe Type 8203 (see separate data sheet)
- •Item no. of the seal set if EPDM desired (see ordering chart of accessories, p. 10)

ightarrow You have to order the components separately.



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#### Conductivity sensor for tank or pipe installation

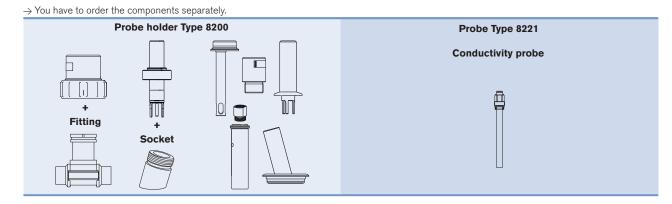
A complete conductivity sensor consists of a probes holder Type 8200 and a conductivity probe.

The following information is necessary for the selection of a complete device:



When you click on the orange box "More info,", you will come to our website for the resp. product where you can download the data sheet.

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#### Ordering information for complete chlorine sensor using Type 8200

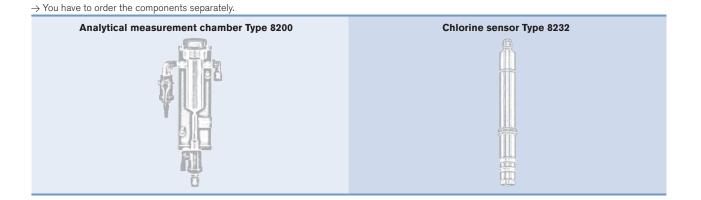
A complete chlorine sensor consists of a analytical measurement chamber Type 8200 and a chlorine sensor.

The following information is necessary for the selection of a complete device:

•Item no. of the analytical measurement chamber Type 8200 (see ordering chart of analytical measurement chamber, p. 10)

•Item no. of the selected chlorine sensor (see separate data sheet Type 8232)

-Item no. of the flow switch for continuous monitoring of the flow (optional) (see ordering chart of analytical measurement chamber, p. 10)



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#### Ordering chart - probe holders Type 8200

Specifications	_	-	for ature >t1000	tion	ė
Specifi	Version	Material	Boring for temperature probe Pt1000	Protection tube	ltem no.
G2" connection for installation on Bürkert fitting	standard	PVC	No	Yes	429 224
S020			Yes	Yes	429 228
		Stainless steel	No	Yes	429 227
			Yes	Yes	429 231
G1" connection	short	PVC	No	No	429 220
			Yes	No	429 221
Stick connection	short	PVC	No	No	564 236
			Yes	No	563 475
For immersion fitting	Pt1000/liquid earth rod in stainless steel	PVDF	Yes	Yes	418 889
	Pt1000/liquid earth rod in titanium	PVDF	Yes	Yes	418 890
Immersion fitting	L=0.5 m	PP	No	Yes	419 567
	L=1.0 m	PP	No	Yes	419 568
	L=1.5 m	PP	No	Yes	419 569
	L=2.0 m	PP	No	Yes	419 570
G11/4" connection	High=28	Stainless steel 316L	No	Yes	562 431
	High=46	Stainless steel 316L	No	Yes	562 432
Clamp 11/2" connection - (dia. 50.5 mm)	Short immersion depth	Stainless steel 316L	No	Yes	558 885
	Long immersion depth	Stainless steel 316L	Yes	Yes	429 235
2" (DN50/40) connection adapted for GEA Tuchenhagen VARINLINE process connections	15°	Stainless steel 316L	No	Yes	562 433
Hygienic direct welding connection	Standard	Stainless steel 316L/ DIN1.4435	No	No	561728

#### Ordering chart - Analytical measurement chamber Type 8200

Description	ltem no.
Analytical measurement chamber	566 054
Flow switch for analytical measurement chamber, PNP, 2 m cable (optional)	772 858

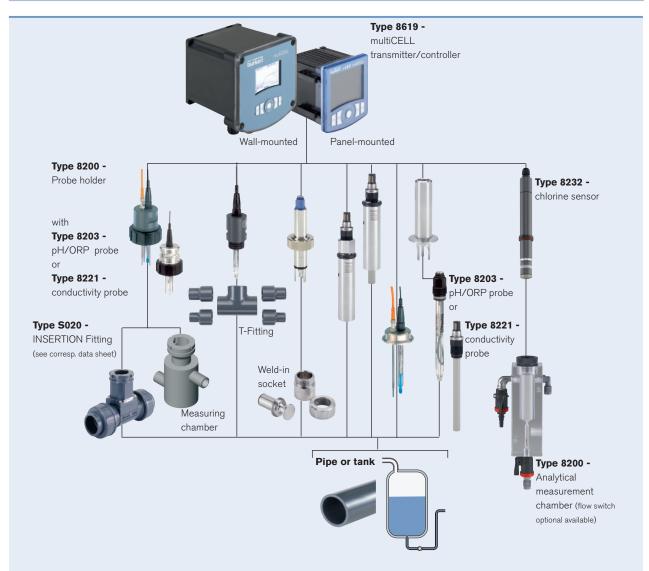
#### Ordering chart for accessories

Description	Item no.
Set with FKM seal for the general purpose holder G2" connection	429 264
Set with 1 green FKM + 1 black EPDM seal for the general purpose holder G2" connection	552 111
Extension kit for the immersion fitting L= X m	562 573
Fixing kit - flange DN65 with stainless steel screws for the immersion fitting L= X m	413 615
Weld-in socket 15° L=28 for holder G11/4"	737 241
Weld-in socket 15° L=46 for holder G11/4"	737 260
Adapter for hygienic direct welding connection and conductivity probe	563 477

8200



#### Interconnection possibilities with other Bürkert devices



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