

Fittings for Type 8202 pH-value/ORP and Type 8222 Conductivity Sensors

DN32-110 mm adapters for pipe and tank mount fittings

- Simple installation guaranteed
- Modular concept for pH, ORP and conductivity

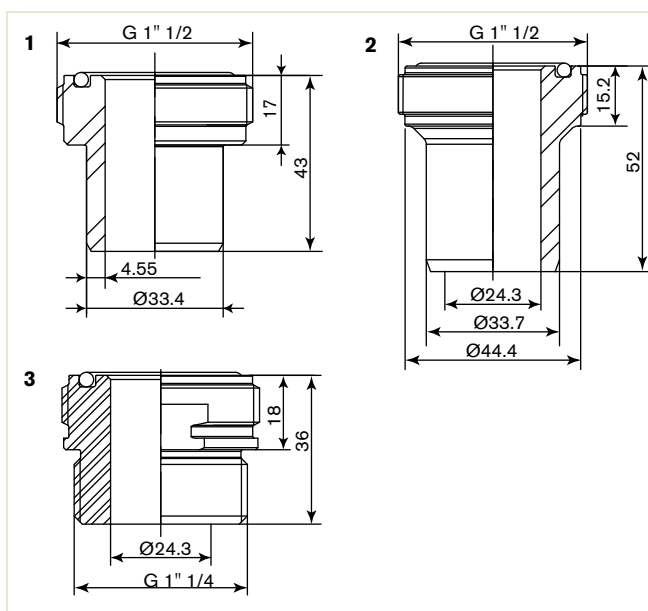


Fittings to connect the compact analytical transmitters to the media. Materials included are PVC-U, PP, Stainless steel, and PVC thread. For chemical resistance details please download our chemical resistance booklet from our website www.burkert.com

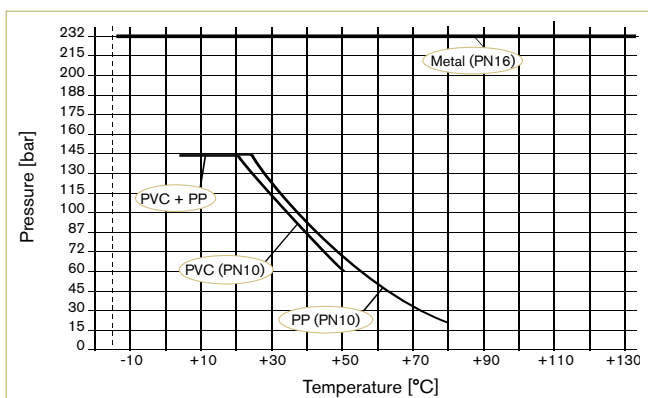
Technical Data

General data	
Pipe diameter	DN06 (with reduction) to DN110 (plastic) or bigger (stainless steel)
Process connection	
Adapter	Solvent, fusion, welding, threaded and to connect with screws
Fitting	Metric or ASTM True union or weld ends; saddle
Materials	
Adapter	PVC, PP, stainless steel - delivered with 2 seals, 1 FKM and EPDM
Fitting	
Seal	FKM, EPDM
Body & adapter	PVC&PVC, PP&PVC
Medium data	
Medium temperature	See pressure-temperature chart on next page. Temperature limits may depend on inserted measuring device ¹⁾ .
Medium pressure (max.)	PN10 (plastic) or PN16 (metal). Pressure limits may depend on inserted measuring device ¹⁾ .
Environment	
Ambient temperature	Temperature limits may depend on inserted measuring device ¹⁾ .
Standards, directives and approvals	
Directive - Pressure	Complying with article 3 of §3 from 97/23/CE directive.*
¹⁾ Please refer to appropriate instruction manual or data sheet for more details.	
* For the 97/23/CE pressure directive, the device can only be used under following conditions (dependent on max. pressure, pipe diameter and fluid).	
Type of fluid	Conditions
Fluid group 1, §1.3.a	Only DN ≤ 25
Fluid group 2, §1.3.a	DN ≤ 32, or DN > 32 and PN*DN ≤ 1000
Fluid group 1, §1.3.b	DN ≤ 25, or DN > 25 and PN*DN ≤ 2000
Fluid group 2, §1.3.b	DN ≤ 125

Envelope Dimensions [mm] (see datasheet for details)









Pressure / temperature chart



Note: Always take lowest max. medium temp. of both adapter and chosen ELEMENT transmitter.

Ordering Chart

Adaptor S022	Piping systems	DN	Description	Materials Body / Seal	Type of Installation	Item no.
1.  PVC-U, PP metric solvent adapter		32 up to 110 (06 up to 25 with reduction)	Solvent adaptor with G 1 1/2" external threaded for ELEMENT transmitter connection	PVC-U / FKM, EPDM	Solvent weld on d32x32 and d40x32 T-fitting	560 705
2.  Stainless steel **		Respect recommendations of installation	Welding adaptor with G 1 1/2" external threaded for ELEMENT transmitter connection	Stainless steel / FKM, EPDM	To weld directly on pipe	561 232
3.  PVC-U, G or G 1 1/4" screw-on		Respect recommendations of installation	G 1 1/4" screw-on adaptor with G 1 1/2" external threaded for ELEMENT transmitter connection	PVC-U / FKM, EPDM	To screw on tank or pipe	560 707

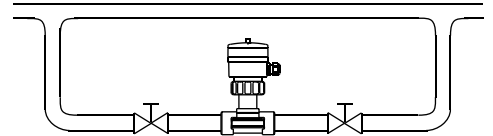
** Please ask for Material Test Reports (MTRs) at time of ordering if required.

Installation and recommendations

For pH and ORP measurements, we recommend a "U"- form bypass installation to ensure that the electrode is maintained in a wet condition and enable the customer to calibrate the unit without stopping the whole process or to use the special designed measuring chamber.

The specially designed measuring chamber enables to install the measuring device in all pipe systems, either directly in the main stream or in a by-pass line. Additionally it enables to keep the electrode always wet and isolates it easily from the main stream for calibration purposes.

Pressure and temperature ratings must be respected according to the selected adaptor material. Be sure that the sensor element is completely covered with liquid. Avoid dead legs which interfere the local fluid exchange.



When mounting the adaptor into a T-fitting, a tank or directly into a pipe, please ensure that the minimum immersion depth of the electrode is respected (refer to the under drawing).

