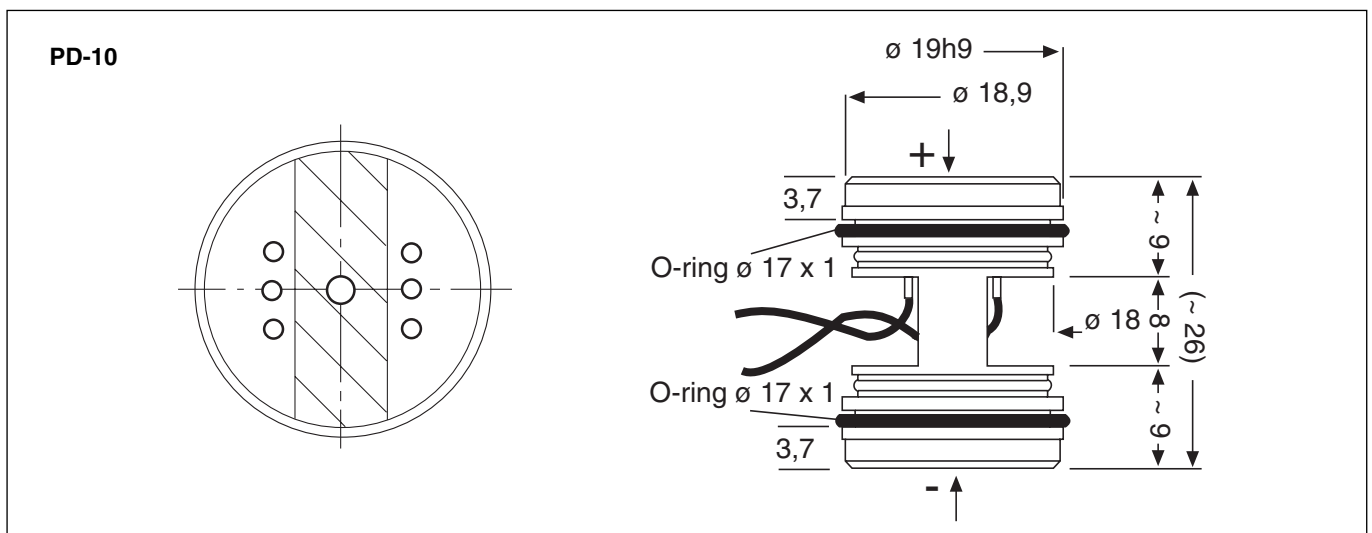
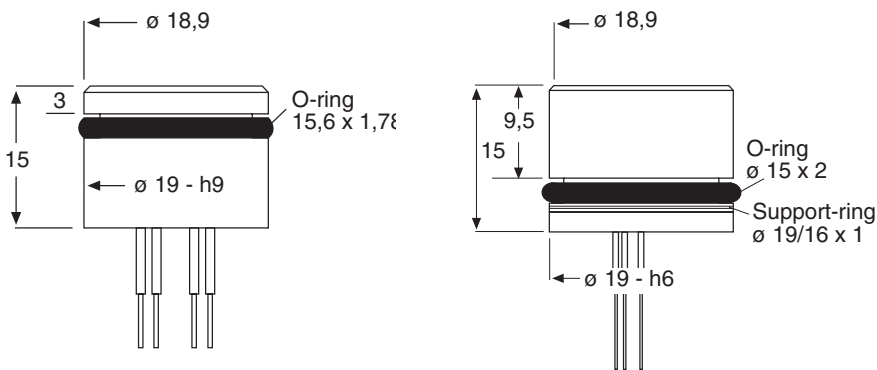


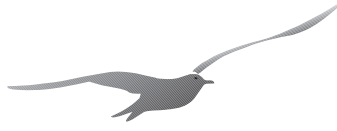
HINTS FOR HANDLING AND FITTING PRESSURE TRANSDUCERS OF THE 8 AND 10 SERIES

HINTS ON HANDLING

- Do not press on the diaphragm with hard, sharp objects (this will deform or perforate the diaphragm).
- Do not load or turn the clamp ring (transducer no longer seals tight).
- Do not stress the housing mechanically (stresses transmitted to measuring cell).
- Do not expose transducer to severe shocks and accelerations (may break the measuring cell or bond wires).
- Do not pull or bend the connecting wires (glass lead-through may leak).
- Note admissible overload (exceeding it will break the measuring cell).
- Note positive and negative sides with differential pressure transducers (different sensitivity and overload).
- Protect back of transducer (behind the O-ring against wet and aggressiv media (risk of corrosion, short circuits, with PR transducers falsification of measured value by liquid column on back silicon diaphragm).
- Clean residues on diaphragm with solvent.
- Ultrasonic cleaning only for pressure ranges above 5 bar (on more sensitive transducers the silicon measuring cell may break).

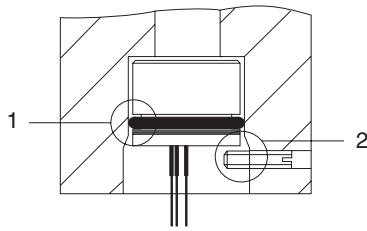


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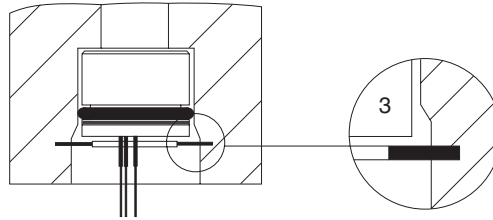


INSTALLATION PROPOSALS

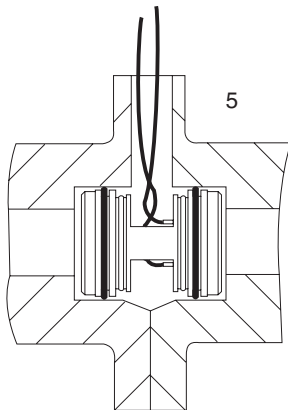
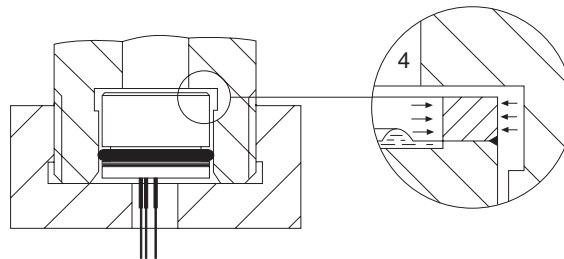
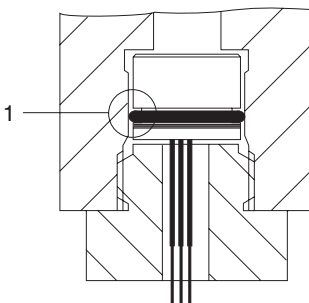
PR and PA for pressures below 5 bar



PR and PA for pressures below 50 bar



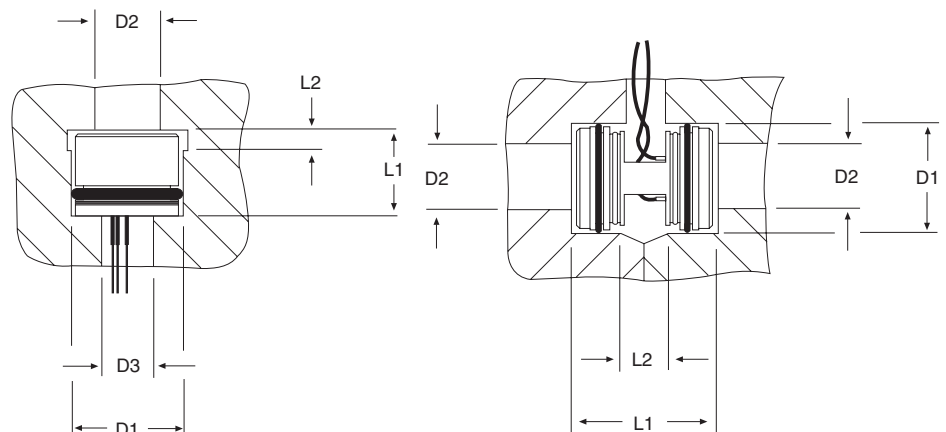
PA for pressures over 50 bar



1. O-ring and possibly support-ring are supplied. Fit support-ring on pressureless side.
2. Set screws must not press into the housing.
3. Sketch shows fixing with clamp ring (Seeger circlip).
4. Fit pressure transducer "floating", i.e. ensure radial and axial play so that no mechanical stresses are transmitted to the transducer (note fitting dimensions). With high and pulsating pressures, see that pressure equalization is assured, otherwise the welding ring may be pressed off by the high forces. (Over-fast pressure rises may have to be prevented by a throttle).
5. The PD-10 is fitted most simply in a divided housing with a lead-through for the litz wires. All grooves, holes and threads are to be made with a diameter 1 mm greater than the fitting diameter D 1, so that the O-ring is not damaged when pushing-in the pressure transducer.

FITTING DIMENSIONS

| Typ | D1 | D2 | D3 | L1 | L2 |
|--------------|--------|------|-----|----------------|-------|
| PR-8, PA-8 | ø 15H7 | < 12 | > 9 | 17 (+0,3/+0,1) | < 2,5 |
| PR-10, PA-10 | ø 19H7 | < 15 | > 9 | 15 (+0,3/+0,1) | < 5 |
| PD-10 | ø 19H7 | < 15 | - | 26 (+0,3/+0,1) | < 10 |



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