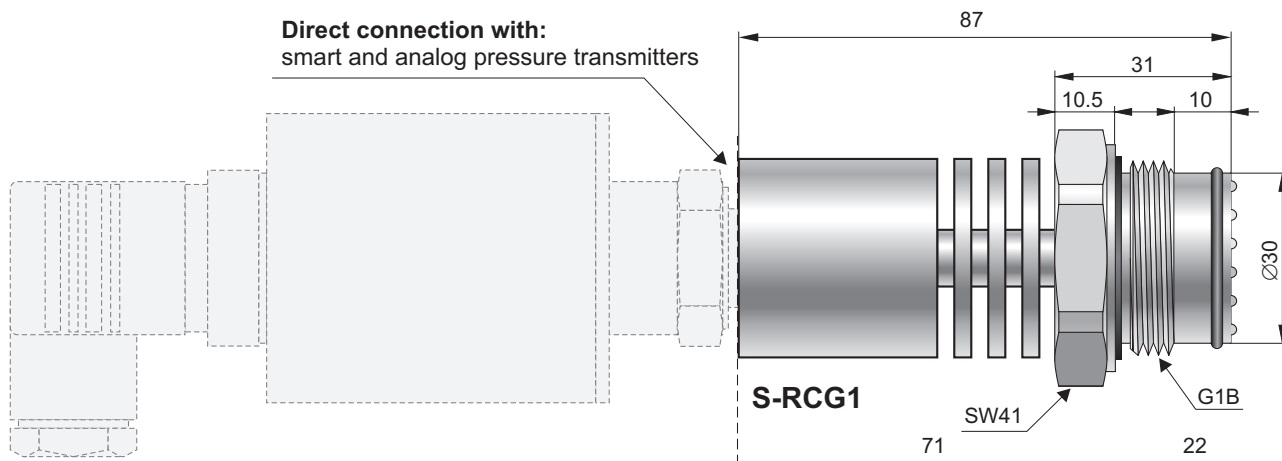


Threaded seals with flush diaphragm and radiator S-RC



Application

S-RC diaphragm seals are applicable to the measurement of hot, viscous, solidifying or contaminated liquids, in any cases where an impulse line cannot be used.

Installation

For installation of transmitters with S-RC diaphragm seals, the Aplsens fitting sockets are recommended.

Recommended minimum measuring range 0.4bar
(for pressure transmitters)

Zero error from ambient temperature change

60 mbar / 10°C for range ≥ 2.5 bar

10 mbar / 10°C for range < 2.5 bar

An additional zero error, resulting from temperature fluctuations in a medium, depends on the temperature gradient in the oil-based diaphragm sealing system. The error value is, in any case, significantly smaller than the error value shown above.

Maximum measuring range

0...40 bar

Overpressure limit

100 bar

Medium temperature range

0...160°C

Material of diaphragm and seal

00H17N14M2 (316Lss)

Special versions

- ◇ Diaphragm seal for temperatures up to 260°C
- ◇ Hastelloy – wetted parts of diaphragm seal made of Hastelloy C276 (overpressure limit 40 bar)
- ◇ Aseptic version S-RCG1, sealing upstream the thread, filling liquid - edible oil (max. temp. 150°C)
- ◇ Others

Ordering procedure



Example: PCE-28 pressure transmitter, range 0–1bar, cable electrical connection, S-RC diaphragm seal with CG1" process connection.

PCE-28 / 0 ÷ 1 bar / PK / S-RCG1