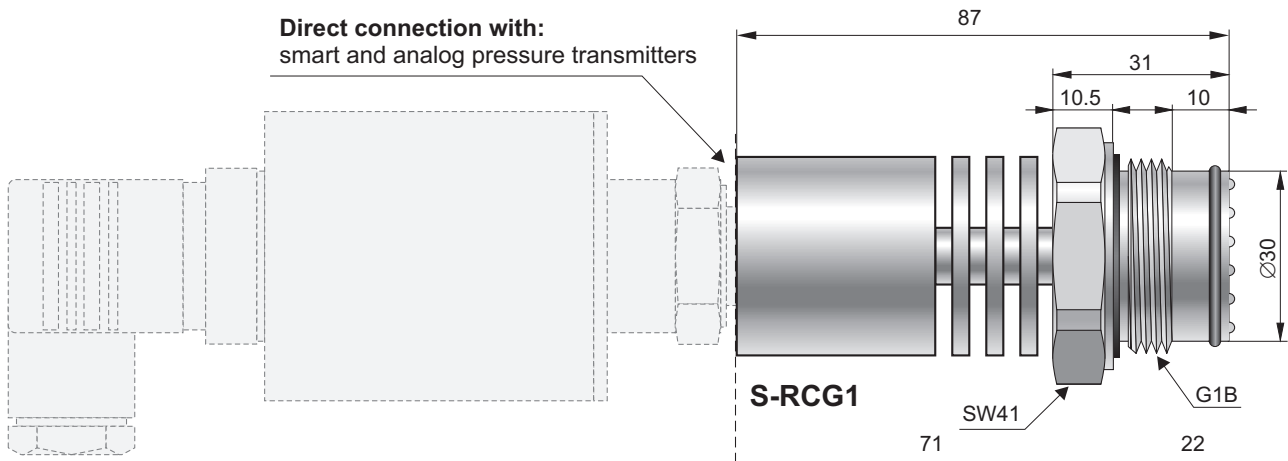


# Threaded seals with flush diaphragm and radiator S-RC



## 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  $\geq 2.5$  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

transmitter / S-RC\_\_\_ / special version – description

Pressure transmitter – see the code in the appropriate catalogue sheet

Type of process connection:  
**G1"**

**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**