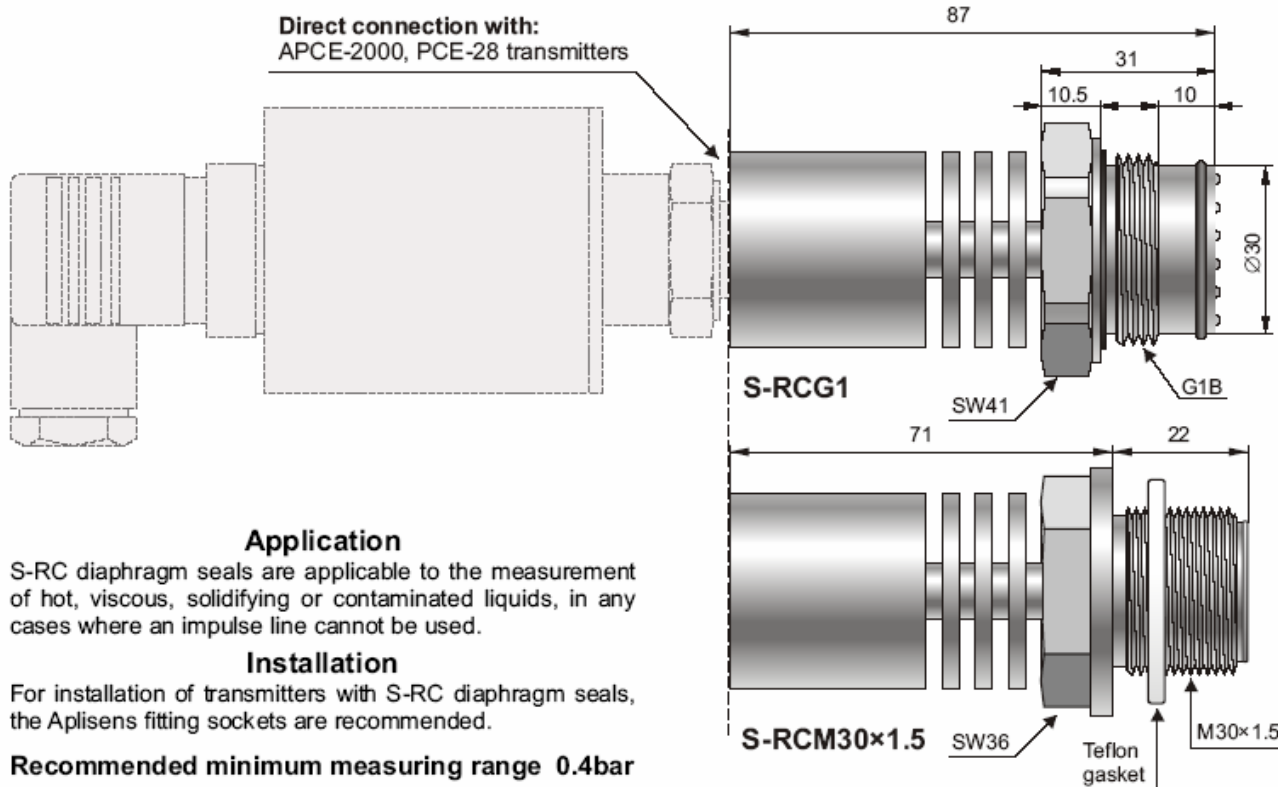


# Threaded seals with flush diaphragm and radiator S-RC



### 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 Aplisens fitting sockets are recommended.

**Recommended minimum measuring range 0.4bar**

### Additional absolute zero error resulting from ambient temperature

- 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 for S-RCG1 and S-RCM30x2
- 0...160 bar for S-RCM30x1.5

### Overpressure limit

- 100 bar for S-RCG1 and S-RCM30x2; 250 bar for S-RCM30x1.5

**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, S-RCM30x2: 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**