ANDERSON NEGELE PRESSURE SENSOR PF

PF

PF



- Pressure measurement in pipes and containers
- High temperatures up to 177 ° C
- Front-flush, hygienic and easily sterilizable installation with EMZ-352 or EHG -... / 1 "connection
- Complies with 3-A Santary Standard 74-06 with Tri-Clamp DIRECTadapt
- EHEDG-compatible hygienic design with CLEANadapt process connection

PRODUCT DESCRIPTION

We market high quality printing and design from our supplier Anderson-Negele, which meets the highest standards of process engineering, and is the perfect solution for applications for food, pharmaceuticals, breweries, cosmetics and pharmaceutical processes.

The products of Anderson-Negele are manufactured according to the concept of "Hygienic City Design", which is reflected in the special process adapters: CLEANadapt PHARMadapt and FLEXadapt as well as the unique design of the instruments.

Pressure sensor, type PF -...
This unit uses a built-in piezoelectric converter to convert the process value into a corresponding mV signal. The mV signal then passes through a customer-specific linearization and signal processing. The resulting signal corresponds to industry standard 4 ... 20 mA. This mA signal is factory-set for this unit's measurement range. For relative pressure sensors, the back of the membrane is ventilated; that is, this sensor measures the mean pressure and / or vacuum relative to air pressure.
For an absolute pressure sensor, the measured value is relative to a perfect theoretical vacuum. This means that the signal changes with the air pressure for the respective environment.

Please refer to the image below for ordering information.

Order code of fully assembled sensor



PF (Modular pressure sensor, food)

S1 (Sensor neck, food and beverages)

Maximum upper range value
- **966** (30 psi / 2 bar)
- **971** (100 psi / 7 bar)
- **981** (500 psi / 35 bar)
- **984** (1000 psi / 70 bar)

Sensor type
- **A** (Absolute)
- **C** (Relative, vacuum-proof)

Process connection
- **160** (Flexible thread G1", hygienic CLEANadapt)
- **182** (Fixed thread G1" hygienic CLEANadapt)
- **059** (1.5" NPT)
- **002** (3/4" Tri-Clamp)
- **003** (1" Tri-Clamp)
- **004** (1.5" Tri-Clamp)
- **005** (2" Tri-Clamp)
- **123** (CPM fitting)
- **129** (IDF 38 mm female)
- **131** (IDF 51 mm female)

Actuating fill
- **1** (Medical-grade white oil/FDA-approved)
- **5** (Neobee M20)

Material membrane
- **A** (Stainless steel 316L)

00 (Fixed character)

Certificates
- **A** (No certificate)
- **B** (3.1 Material and 2.1 Certificate)

Enclosure
- **E2A** (SS head with measuring electronics and plastic cover)
- **E3A** (SS head with measuring electronics and stainless steel cover)

Unit of measure
- **P** (PSI)
- **B** (BAR)

Measuring range
- **XXX** (See measuring range table, page 8)

0 (Fixed character)

Electrical connection
- **A** (M12 connector)
- **C** (Cable fitting M16 x 1.5)

Enclosure orientation
- **1** (Vertical)
- **2** (Horizontal)

Certificates
- **A** (No certificate)
- **B** (3.1 Material and 2.1 Certificate)
- **C** (3.1 Material and accuracy)
- **D** (2.1 Certificate)

64 (Fixed character)

PF S1 966 C 160 1 A 00 A E2A P 068 0 A 1 A 64

;

SPECIFICATIONS

Approvals	3-A, FDA
IP Class	IP67, IP69K, NEMA Type 4X
Measuring Range	0 ... 70 bar rel., -1 ... 7 bar rel. / 0 ... 35 bar abs. / 0 ... 1000 psi rel. / 0 ... 500 psi abs.

Supply Voltage DC Max	36
Supply Voltage DC Min	18
Surface Finish	0.64
Temperature ambient from	0
Temperature ambient to	71
Temperature range of media from	-18
Temperature range of media to	177