

## 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 Sanitary 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

## TECHNICAL DATA

Approvals

3-A, FDA

Area of application

Food

IP class

IP67, IP69K, NEMA Type 4X

<b>Material membrane</b>	Stainless steel 316L
<b>Material of connection</b>	Stainless steel AISI 304
<b>Material of sensor housing</b>	Stainless steel AISI 304
<b>Material of wetted parts</b>	Stainless steel 316L
<b>Measurement range</b>	0 ... 70 bar rel., -1 ... 7 bar rel. / 0 ... 35 bar abs. / 0 ... 1000 psi rel. / 0 ... 500 psi abs.
<b>Supply voltage dc max</b>	36 V DC
<b>Supply voltage dc min</b>	18 V DC
<b>Surface finish</b>	0,64 µm Ra
<b>Temperature ambient from</b>	0 °C
<b>Temperature ambient to</b>	71 °C
<b>Temperature of media from</b>	-18 °C
<b>Temperature of media to</b>	177 °C