

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

Material membrane	Stainless steel 316L
Material of connection	Stainless steel AISI 304
Material of sensor housing	Stainless steel AISI 304
Material of wetted parts	Stainless steel 316L
Measurement 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 V DC
Supply voltage dc min	18 V DC
Surface finish	0.64 µm Ra
Temperature ambient from	0 °C
Temperature ambient to	71 °C
Temperature of media from	-18 °C
Temperature of media to	177 °C