

Front Flush

TYPE 20



APPLICATIONS

- Water and wastewater
- Oil and gas
- Petrochemical
- Chemical processing
- Industrial automation
- Marine
- Agriculture
- Steel fabrication
- Mud pumping
- Pharmaceutical
- Pulp and paper
- Pneumatic



Front flush diaphragm

- Designed for applications requiring an NPT male threaded process connection and with a flush diaphragm
- Flush diaphragm construction prevents clogging and process material build-up
- Constructed with a 316 stainless Steel housing and diaphragm for strength and durability
- Available instrument connection sizes are 1/4" and 1/2" with a process connection size of 1/2" NPT male to 2" NPT male
- Consider instrument size, pressure range, media composition, ambient and operating temperature, and maximum working pressure when selecting
- Capillaries and cooling elements are available for elevated process temperatures, see page 24
- Fill fluid must be compatible with process media; i.e. Glycerin may become volatile in conjunction with a strong oxidizing agent such as chlorine, forms of oxygen or peroxide and nitric acids

SPECIFICATIONS

| Seal type | Front flush, welded diaphragm | | | | | |
|----------------------------------|-------------------------------|--|----------------------|---------------------|----------------------|-----------------------|
| Instruments | Type | Size | Minimum Pressure | | Maximum Pressure | |
| Seal Connection Size 1/2" NPT | Gauges | 2-1/2" | 0 psig to 1,500 psig | | 0 psig to 9,000 psig | |
| | Transducers | - | 0 psig to 30 psig | | 0 psig to 9,000 psig | |
| | Switches | - | 0 psig to 30 psig | | 0 psig to 9,000 psig | |
| Seal Connection Size 3/4" NPT | Gauges | 2-1/2" | 0 psig to 160 psig | | 0 psig to 9,000 psig | |
| | Gauges | 4" to 4-1/2" | 0 psig to 1,500 psig | | 0 psig to 9,000 psig | |
| | Transducers | - | 0 psig to 30 psig | | 0 psig to 9,000 psig | |
| | Switches | - | 0 psig to 30 psig | | 0 psig to 9,000 psig | |
| Seal Connection Size 1" NPT | Gauges | 2-1/2" | 0 psig to 160 psig | | 0 psig to 9,000 psig | |
| | Gauges | 4" to 4-1/2" | 0 psig to 1,000 psig | | 0 psig to 9,000 psig | |
| | Transducers | - | 0 psig to 30 psig | | 0 psig to 9,000 psig | |
| | Switches | - | 0 psig to 30 psig | | 0 psig to 9,000 psig | |
| Upper Housing | Type | Continuous duty | | | | |
| | Connections | 1/4" NPT, 1/2" NPT | | | | |
| | Material | 316 Stainless Steel | | | | |
| Diaphragm | | 1/2" NPT | 3/4" NPT | 1" NPT | 1-1/2" NPT | 2" NPT |
| | Size | 0.7" | 0.9" | 1.0" | 1.6" | 2.0" |
| | Displacement | 50 mm ³ | 100 mm ³ | 180 mm ³ | 550 mm ³ | 1,000 mm ³ |
| | Material | 316 Stainless Steel | | | | |
| Operating temperature | | Operating temperature is determined by the temperature/pressure configuration. See Material Temperature table. | | | | |



| ORDERING INFORMATION | | | |
|-----------------------------|-----------------------|---------------|-----------|
| TYPE | 20 | | |
| INSTRUMENT CONNECTION SIZES | 02 1/4" NPT | 04 1/2" NPT | |
| HOUSING MATERIAL | S 316 Stainless Steel | | |
| DIAPHRAGM MATERIAL | S 316 Stainless Steel | | |
| PROCESS CONNECTION SIZES | 04 1/2" NPT | 08 1" NPT | 16 2" NPT |
| | 06 3/4" NPT | 12 1-1/2" NPT | |

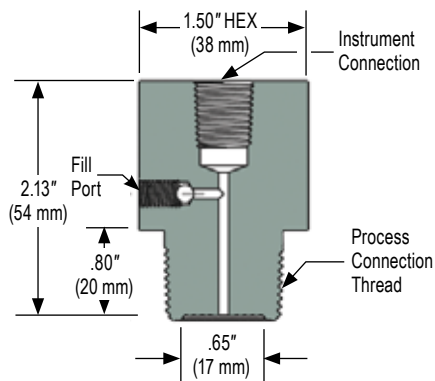
Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

EXAMPLE

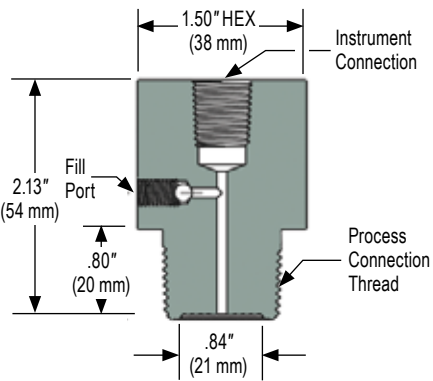
Type 20
 Instrument connection size 1/4" NPT
 Housing material 316 Stainless Steel
 Diaphragm material 316 Stainless Steel
 Process connection size 3/4" NPT

20 - 02 S - S - 06

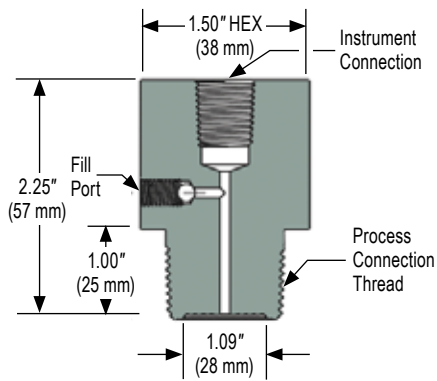
1/2" NPT



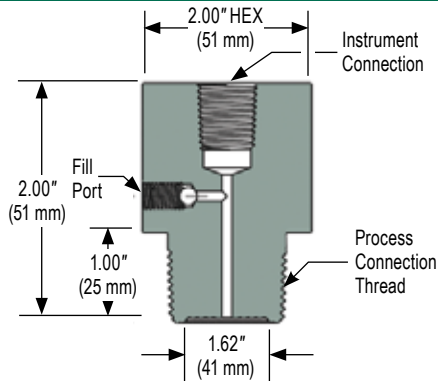
3/4" NPT



1" NPT



1-1/2" NPT



2" NPT

