

# Standard & Elevated Pressure, Bolted

## TYPE 10/10H



- Designed to isolate the pressure measuring instrument from high temperatures, or corrosive or viscous process media
- Can be used for remote mounting of pressure instrument(s) with capillary
- Utilizes a replaceable diaphragm clamped between the flanged metal housings with an o-ring seal to create a leak-free union
- Process connection sizes from 1/4" NPT through 1-1/2" NPT
- Flushing port connection is an available option that allows the wetted areas of the seal to be cleaned, or the process vented without removing the unit from the line
- 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

### APPLICATIONS

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

### SPECIFICATIONS

Seal type	Threaded with replaceable diaphragm. Flanged available on request.			
Instruments	Type	Size	Minimum Pressure	Maximum Pressure
	Gauges	2-1/2" to 6"	0 psig to 30 psig	0 psig to 2,000 psig (10H - 5,000 psig)
	Transducers	-	0 psig to 30 psig	0 psig to 2,000 psig (10H - 5,000 psig)
	Switches	-	0 psig to 30 psig	0 psig to 2,000 psig (10H - 5,000 psig)
Upper housing	Type	Non-continuous duty (10H continuous duty)		
	Connections	1/4" NPT, 1/2" NPT		
	Materials	Polyurethane enamel coated Steel, 316 Stainless Steel		
Diaphragm	Size	3.0" (Type 10), 2-1/2" (Type 10 H)		
	Displacement	3.2 ml (Type 10), 1.4 ml (Type 10H)		
	Materials	316 Stainless Steel (Exotic materials available on request)		
O-rings		NBR, PTFE and FKM		
Lower housing	Connections	1/4" NPT, 1/2" NPT, 3/4" NPT, 1" NPT, 1-1/4" NPT, 1-1/2" NPT ASME flanges available on request		
	Materials	Polyurethane enamel coated Steel and 316 Stainless Steel (Exotic materials available on request)		
	Flushing port	Optional 1/8" NPT, 1/4" NPT and dual ports		
Bolting		Zinc-plated Steel, optional Stainless Steel		
Operating temperature		Operating temperature is determined by the temperature/pressure configuration. See the Material temperature table.		

ORDERING INFORMATION					
TYPES	10	(2,000 psi)	10H	(5,000 psi)	
INSTRUMENT CONNECTION SIZES	02	1/4" NPT	04	1/2" NPT	
UPPER HOUSING MATERIALS	C	Carbon Steel	S	316 Stainless Steel	
DIAPHRAGM MATERIALS	A	Tantalum	M	Monel 400	S 316 Stainless Steel **
	H	Hastelloy C – 276	N	Inconel 600	T PTFE*, †
O-RING MATERIALS	B	NBR	T	PTFE <sup>1</sup>	V FKM*, ***
PROCESS CONNECTION SIZES	02	1/4" NPT	06	3/4" NPT	10 1-1/4" NPT
	04	1/2" NPT	08	1" NPT	12 1-1/2" NPT
	(ASME and DIN flanges available upon request)				
LOWER HOUSING MATERIALS	C	Carbon Steel	M	Monel 400	S 316 Stainless Steel
	H	Hastelloy C-276	N	Inconel 600	U Titanium
FLUSHING CONNECTIONS	1F	1/8" NPT	2F	1/4" NPT	

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

\* Not available with 10H

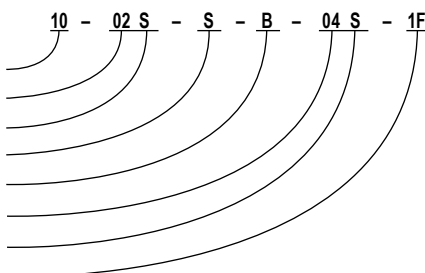
\*\* NBR o-rings standard with 316SS diaphragm

\*\*\* FKM o-rings standard with FKM diaphragm

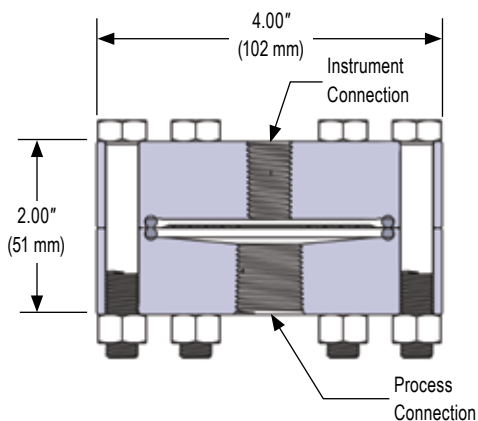
† PTFE o-rings standard with all other diaphragms

### EXAMPLE

Type .....10  
Instrument connection size ..... 1/4" NPT  
Upper housing material ..... 316 Stainless Steel  
Diaphragm material ..... 316 Stainless Steel  
O-ring material ..... NBR  
Process connection size ..... 1/2" NPT  
Lower housing material ..... 316 Stainless Steel  
Flushing connection (optional) ..... 1/8" NPT



### Type 10 Standard Pressure



### Type 10H Elevated Pressure

