

# Reduced Pressure, Non-Metallic Lower, Bolted

## TYPE 10L



- Intended for corrosive or viscous pressure media
- Designed for applications where typical metallic lower housings cannot withstand process media
- Can be used for remote mounting of pressure instrument(s) with capillary
- Utilizes a replaceable diaphragm clamped between the flanged housings with an o-ring seal to create a leak-free union
- Process connection sizes from 1/4" NPT through 1-1/2" NPT
- Consider instrument size, pressure range, media composition, ambient and operating temperature, and maximum working pressure when selecting
- 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

<b>Seal type</b>	Threaded with replaceable diaphragm. Flanged available on request.			
<b>Instruments</b>	<b>Type</b>	<b>Size</b>	<b>Minimum Pressure</b>	<b>Maximum Pressure</b>
	Gauges	2-1/2" to 6"	0 psig to 30 psig	0 psig to 200 psig
	Transducers	-	0 psig to 30 psig	0 psig to 200 psig
	Switches	-	0 psig to 30 psig	0 psig to 200 psig
<b>Upper housing</b>	<b>Type</b>	Non-continuous duty		
	Connections	1/4" NPT, 1/2" NPT		
	Materials	Polyurethane enamel coated Steel, 316 Stainless Steel		
<b>Diaphragm</b>	<b>Size</b>	3.0"		
	Displacement	3.2 ml		
	Materials	316 Stainless Steel, FKM, PTFE (Exotic materials available on request)		
<b>O-rings</b>	NBR, PTFE and FKM			
<b>Lower housing</b>	Connections	1/4" NPT, 1/2" NPT, 3/4" NPT, 1" NPT, 1-1/4" NPT, 1-1/2" NPT		
	Materials	PVDF, PP, PVC, PTFE (Other materials available on request)		
<b>Bolting</b>	Zinc-plated Steel, optional stainless Steel			
<b>Operating temperature</b>	Operating temperature is determined by the temperature/pressure configuration. See Material Temperature table.			

For NOSHOK Diaphragm Seals with Carbon Steel lower housing materials:



**WARNING:** This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

For NOSHOK Diaphragm Seals with Stainless Steel lower housing materials:



**WARNING:** This product can expose you to chemicals including Chromium (VI) and Nickel, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

ORDERING INFORMATION				
TYPE	10L			
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*	U Titanium Grade 4
	H Hastelloy C - 276	N Inconel 600	T PTFE***	V FKM**
O-RING MATERIALS	B NBR	T PTFE	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	KN PVDF	PV PVC	TG PTFE (Glass filled)	
	PP PP	TC PTFE (Carbon filled)		

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

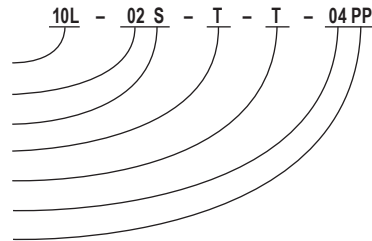
\* NBR o-rings standard with 316SS diaphragm

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

\*\*\* PTFE o-rings standard with all other diaphragms

**EXAMPLE**

Type ..... 10L  
 Instrument connection size ..... 1/4" NPT  
 Upper housing material ..... 316 Stainless Steel  
 Diaphragm material ..... PTFE  
 O-ring material ..... PTFE  
 Process connection size ..... 1/2" NPT  
 Lower housing material ..... PP



**Type 10L PTFE (Carbon & Glass Filled)**

**Type 10L PVC / PP / PVDF**

