

# Reduced Pressure, Non-Metallic Lower, Bolted

## TYPE 30L



- 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 an all metallic diaphragm welded to the upper housing to allow replacement of the non-metallic lower housing while maintaining continuity of the measuring system
- 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

SPECIFICATIONS				
<b>Seal type</b>	Threaded with welded 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>	Continuous duty		
	<b>Connections</b>	1/4" NPT, 1/2" NPT		
	<b>Materials</b>	Polyurethane enamel coated Steel, 316 Stainless Steel		
<b>Diaphragm</b>	<b>Size</b>	2.4"		
	<b>Displacement</b>	1.5 ml		
	<b>Materials</b>	316 Stainless Steel, FKM, PTFE (Exotic materials available on request)		
<b>Gasket</b>	NBR, PTFE and FKM			
<b>Lower housing</b>	<b>Connections</b>	1/4" NPT, 1/2" NPT, 3/4" NPT, 1" NPT, 1-1/4" NPT and 1-1/2" NPT		
	<b>Materials</b>	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)

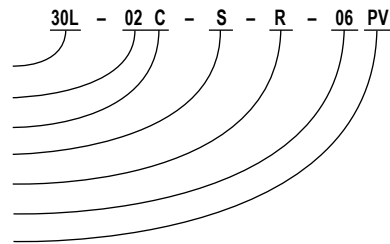
ORDERING INFORMATION				
TYPE	30L			
INSTRUMENT CONNECTION SIZES	02 1/4" NPT	04 1/2" NPT		
UPPER HOUSING MATERIALS	C Carbon Steel	P Carpenter 20	U Titanium Grade 4	
	M Monel 400	S 316 Stainless Steel		
DIAPHRAGM MATERIALS	A Tantalum	M Monel 400 <sup>1</sup>	P Carpenter 20 <sup>1</sup>	U Titanium Grade 4 <sup>1</sup>
	H Hastelloy C-276	N Inconel 600	S 316 Stainless Steel	
SEAL GASKET MATERIALS	R Klingersil C-4401	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.

<sup>1</sup> When selecting a Monel 400, Carpenter 20 or Titanium Grade 4 diaphragm, the upper housing must be the same material

EXAMPLE

Type .....30L  
 Instrument connection size .....1/4" NPT  
 Upper housing material .....Carbon Steel  
 Diaphragm material.....316 Stainless Steel  
 Seal gasket material.....Klingersil C-4401  
 Process connection size .....3/4" NPT  
 Lower housing material .....PVC



Type 30L PTFE Carbon / PTFE Glass
Type 30L PVC / PP / PVDF

