

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

Seal type	Threaded with welded 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 200 psig
	Transducers	-	0 psig to 30 psig	0 psig to 200 psig
	Switches	-	0 psig to 30 psig	0 psig to 200 psig
Upper housing	Type	Continuous duty		
	Connections	1/4" NPT, 1/2" NPT		
	Materials	Polyurethane enamel coated Steel, 316 Stainless Steel		
Diaphragm	Size	2.4"		
	Displacement	1.5 ml		
	Materials	316 Stainless Steel, FKM, PTFE (Exotic materials available on request)		
Gasket	NBR, PTFE and FKM			
Lower housing	Connections	1/4" NPT, 1/2" NPT, 3/4" NPT, 1" NPT, 1-1/4" NPT and 1-1/2" NPT		
	Materials	PVDF, PP, PVC, PTFE (Other materials available on request)		
Bolting	Zinc-plated Steel, optional Stainless Steel			
Operating temperature	Operating temperature is determined by the temperature/pressure configuration. See Material Temperature table.			

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 2	
	M Monel 400	S 316 Stainless Steel		
DIAPHRAGM MATERIALS	A Tantalum	M Monel 400 *	P Carpenter 20 *	U Titanium Grade 4 *
	H Hastelloy C-276	N Inconel 600	S 316 Stainless Steel	
SEAL GASKET MATERIALS	R Klingsil 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.

* When selecting a Monel 400, Carpenter 20 or Titanium Grade 4 diaphragm, the upper housing must be the same material

EXAMPLE

Type30L
Instrument connection size1/4" NPT
Upper housing materialCarbon Steel
Diaphragm material316 Stainless Steel
Seal gasket materialKlingsil C-4401
Process connection size3/4" NPT
Lower housing materialPVC

30L - 02 C - S - R - 06 PV

