Replaceable Diaphragm Flow-Through Annular Style



TYPE **40**

- Process liquid flowing through the pipe exerts pressure onto a flush-mounted flexible inner cylinder containing clean, captive liquid; completely isolating instrumentation from the process flow and preventing plugging
- Can be used for remote mounting of pressure instrument(s) with capillary
- Instrumentation can be removed for calibration, repair or replacement without interrupting the process flow
- · Integral design prevents accidental breakage
- · Can be used with a variety of process conditions in many applications
- Eliminates clogging typically associated with diaphragm seals used in viscous fluid applications which can lead to inaccurate pressure readings
- Assembly flanges ASME B16.1 Class 150, 2" to 20"

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- Slurries
- Heavy sludges
- Chemical synthetic polymers
- Diffusers flow measurement
- Abrasive media

		SPE	CIFICATIONS			
Seal type	Inline flanged w	ith sleeve diaphr	agm			
Instruments	Туре	Size	Minimum Pressure	Maximum Pressure		
	Gauges	2-1/2" to 6"	0 psig to 30 psig	0 psig to 285 psig		
	Transducers	-	0 psig to 30 psig	0 psig to 285 psig		
	Switches	-	0 psig to 30 psig	0 psig to 285 psig		
Upper housing	Туре	Non-continuous duty 1/4" NPT, 1/2" NPT Polyurethane enamel coated Steel, 316 Stainless Steel				
	Connections					
	Materials					
Diaphragm	Size	Sleeve style per ring size				
	Materials	NBR, FKM, EPDM, PTFE (Other materials available on request)				
Flange Materials Connections Flanged, Class 150, 2" through						
	Materials	Polyurethane enamel coated Steel, 316 Stainless Steel				
Bolting		Zinc-plated Steel, optional Stainless Steel				
Operating tempe	rature	-30 °F to 140 °F, based on materials of construction and fill fluid				

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

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

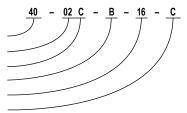


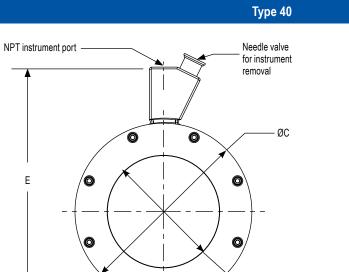
ORDERING INFORMATION								
TYPE 40 Annular Ring 40BT Bolt-Through Annular Ring								
INSTRUMENT CONNECTION SIZES	02 1/4" NPT	04 1/2" NPT						
HOUSING MATERIALS	C Carbon Steel	S 316 Stainless Steel						
DIAPHRAGM MATERIALS	B NBR	V FKM	T PTFE	E EPDM				
PIPE SIZES	16 2" Pipe	40 5" Pipe	80 10" Pipe	128 16" Pipe				
	24 3" Pipe	48 6" Pipe	96 12" Pipe	144 18" Pipe				
	32 4" Pipe	64 8" Pipe	112 14" Pipe	160 20" Pipe				
FLANGE MATERIALS	C Carbon Steel	S 316 Stainless Steel						

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

EXAMPLE

Туре	
Instrument connection size	1/4" NPT
Housing material	Carbon Steel
Diaphragm material	NBR
Pipe size	2" pipe
Flange material	Carbon Steel

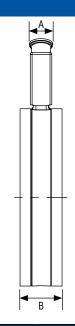




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NOMINAL PIPE SIZE											
	2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"
А	0.76" (19 mm)	0.76" (19 mm)	0.76" (19 mm)	0.76" (19 mm)	0.76" (19 mm)	0.76" (19 mm)	0.76" (19 mm)	0.76" (19 mm)	0.76" (19 mm)	0.76" (19 mm)	0.76" (19 mm)
В	2" (51 mm)	2" (51 mm)	1-1/2" (38 mm)	1-1/2" (38 mm)	1-1/2" (38 mm)	1-1/2" (38 mm)	1-1/2" (38 mm)	1-3/4" (45 mm)	1-3/4" (45 mm)	1-3/4" (45 mm)	1-3/4" (45 mm)
С	4-7/32" (107 mm)	5-15/32" (139 mm)	6-9/32" (160 mm)	7-9/16" (192 mm)	8-7/16" (214 mm)	10-5/8" (270 mm)	12-13/16" (325 mm)	14-27/32" (377 mm)	17-13/64" (437 mm)	19-7/32" (488 mm)	21-1/2" (546 mm)
D	2" (51 mm)	3" (76 mm)	4" (102 mm)	5" (127 mm)	6" (152 mm)	8" (203 mm)	10" (254 mm)	12" (305 mm)	14" (356 mm)	16" (406 mm)	18" (457 mm)
E	7.18" (182 mm)	8.44" (214 mm)	9.27" (235 mm)	10.53" (267 mm)	11.40" (289 mm)	13.60" (345 mm)	15.77" (400 mm)	17.81" (452 mm)	20.17" (512 mm)	22.18" (563 mm)	24.47" (621 mm)

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