

# Threaded-NPT Diaphragm Seals

DIAPHRAGM SEALS



M511 shown

- ▶ Clean-out or Non Clean-out Design
- ▶ Flushing Connection Available
- ▶ Threaded Process Connection

The Trerice **Threaded NPT Diaphragm Seal** is offered in both Clean-out and Non Clean-out designs, with female threaded connections of 1/4 NPT through 1 NPT. The Non Clean-out design can be furnished with diaphragm materials of Teflon (T), Viton (V), or Removable Metal (M), while the Clean-out design is available with all diaphragm choices, including Welded Metal (W).

**Selection of the proper diaphragm seal is the sole responsibility of the user. Temperature and pressure limitations must be considered. Please refer to the Diaphragm Seal Design & Operation Section of this catalog. Improper application may cause failure of the seal, resulting in possible personal injury or property damage.**

For correct use and application of all diaphragm seals, please refer to Diaphragm Seal Standard ASME B40.2.

## SPECIFICATIONS

Style	Available Diaphragm Types*	Diaphragm Size	Process Connection	Clean-out Design	1/4 NPT Flushing Connection
510	M, T, V	Standard	Threaded	No	No
511	M, T, V	Standard	Threaded	No	Yes
515	M, T, V, W	Standard	Threaded	Yes	No
516	M, T, V, W	Standard	Threaded	Yes	Yes
610	M, T	Large	Threaded	No	No
611	M, T	Large	Threaded	No	Yes
615	M, T, W	Large	Threaded	Yes	No
616	M, T, W	Large	Threaded	Yes	Yes

\*M = Removable Metal, T = Teflon, V = Viton, W = Welded Metal

Note: Due to the variety of available diaphragm seal configurations and materials, it is not possible to list each weight in this catalog. Please consult factory.

## HOW TO ORDER

Sample Order Number: **M 5 10 04 S S CC**

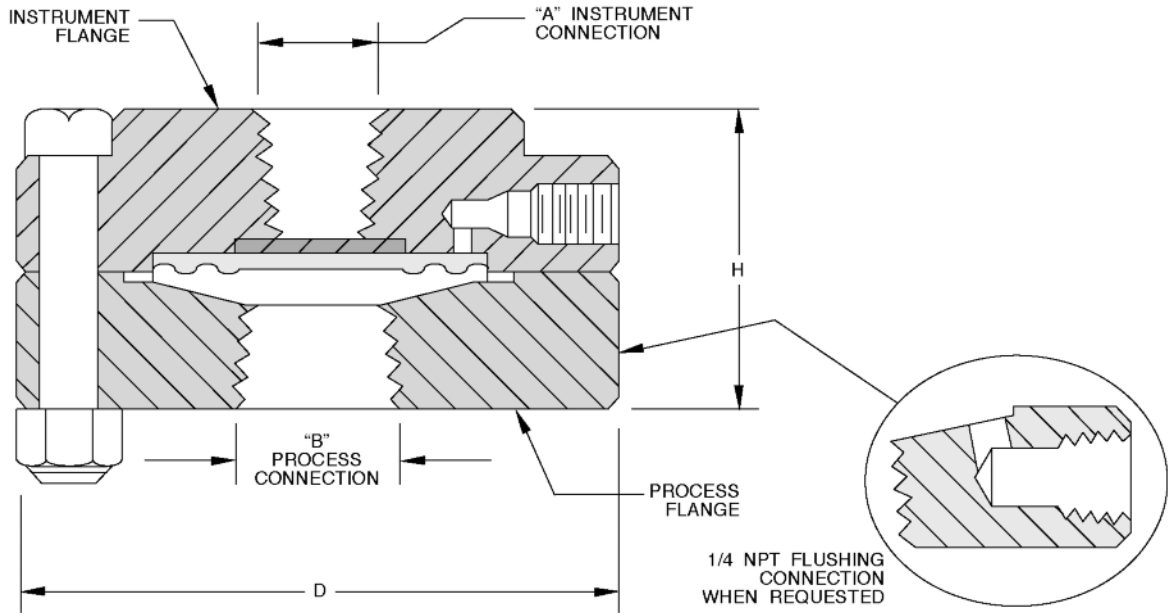
Diaphragm Type	Diaphragm Size	Style	Connection Size	Diaphragm Material	Process Housing Material	Instrument Housing & Bolt Material
M Metal	5 Standard	10 Non Clean-out, Non-Flushing	See Connection Sizes	See Diaphragm Materials	See Process Housing Materials	CC Carbon Steel SS 316 Stainless Steel
T Teflon	6 Large	11 Non Clean-out, Flushing				
V Viton**		15 Clean-out, Non-Flushing				
W Welded†		16 Clean-out, Flushing				

\*\*Diaphragm Type V available only with Diaphragm Size 5.  
†Diaphragm Type W available only with Styles 15 and 16.

See Sizes and Materials Table

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All dimensions are nominal. Dimensions in [ ] are in millimeters.



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Diaphragm Type and Size	A	B	H	D
M, T, W 5 Series	1/4, 1/2 NPT as specified	1/4, 1/2, 3/4, 1 NPT as specified	1.63 [41]	3.25 [83]
V 5 Series	1/4, 1/2 NPT as specified	1/4, 1/2, 3/4, 1 NPT as specified	1.88 [48]	3.25 [83]
M, T, W 6 Series	1/4, 1/2 NPT as specified	1/4, 1/2, 3/4, 1 NPT as specified	1.63 [41]	4.00 [102]

## Sizes and Materials

Connection Sizes			Diaphragm Materials		Process Housing Materials	
Code	Instrument Connection (NPT)	Process Connection (NPT)	Code	Material	Code	Material
01	1/4	1/4	D	Carpenter 20	C	Steel
02	1/2	1/4	F	304 Stainless Steel*	D	Carpenter 20
03	1/4	1/2	G	Hastelloy B	F	304 Stainless Steel
04	1/2	1/2	H	Hastelloy C-276	G	Hastelloy B
05	1/4	3/4	M	Monel	H	Hastelloy C-276
06	1/2	3/4	N	Nickel	M	Monel
07	1/4	1	S	316L Stainless Steel	N	Nickel
08	1/2	1	T	Teflon	P	Polypropylene
			U	Tantalum	S	316L Stainless Steel
			V	Viton**	T	Teflon
					Z	PVC

\* 304 Stainless Steel diaphragm not available with Diaphragm Size 6.

\*\* Viton Diaphragm available only with Diaphragm Size 5.