

THREADED FLUSH FACE DIAPHRAGM SEALS



DSTF

REOTEMP's Threaded Flush Face Seals are ideal for high and medium pressure applications where process media clogging is a concern. The diaphragm is welded onto the end of the threads allowing for continuous flow of process media across the diaphragm and preventing any build-up of solids. Selection of process connection will greatly impact accuracy and temperature sensitivity.

DIAPHRAGM SEALS

SPECIFICATIONS

Wetted Materials Body: 316SS, Hast-C
Diaphragm: 316SS, Hast-C

Process Temperature Limits

Process Connection	1/2"	3/4"	1"	1.5"/2"
Limit	0/150°F	20/200°F	-40/400°F	-40/600°F

NOTE: Always use largest thread possible for smaller temperature effect.

Ambient Temperature Limits Determined by the pressure instrument.

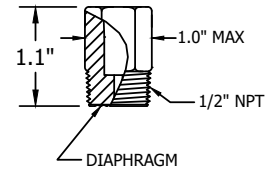
Minimum Recommended Span

Male Process Thread NPT	1/2"	3/4"	1"	1.5"/2"
2.5" & 3.5" Gauges	60 psi	30 psi	15 psi	15 psi
4", 4.5", & 6" Gauges	n/a	n/a	100 psi	30 psi
Transmitter (Gauge Pressure)	60 psi*	15 psi*	10 psi*	5 psi
Transmitter (Differential Pressure)	n/a	n/a	n/a	n/a

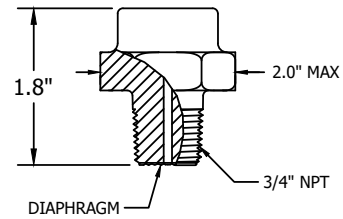
*Not Recommended for Critical Transmitter Applications.

Maximum Working Pressure Determined by the seal threads.

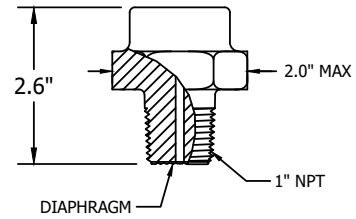
DSTF05



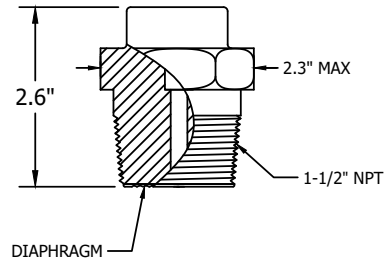
DSTF75



DSTF10



DSTF15



HOW TO ORDER: Choose options to build a part number. For example: DSTF75SS4-DTD-AS-OX

MODEL	PROCESS CONNECTION	DIAPHRAGM AND BODY MATERIAL	INSTRUMENT CONNECTION	MOUNTING	FILL FLUID	OPTIONS
DSTF = Threaded Flush Face Diaphragm Seal	05 = 1/2" Male NPT 75 = 3/4" Male NPT 10 = 1" Male NPT 15 = 1-1/2" Male NPT 20 = 2" Male NPT G1 = 1" BSPP (G1) GH = 1.5" BSPP G2 = 2" BSPP	SS = 316LSS HC = Hast. C-276 Wetted	4 = 1/4" NPT 2 = 1/2" NPT ¹ ¹ Not Available with 1/2" NPT Process Connection	-DTD = Direct Mount, Threaded -DWD = Direct Mount, Welded -STW = 3" Cooling Standoff -RTR = 6" Cooling Tower, Welded See Page 57 for Complete Mounting Guide	-AS = Silicone DC200 -AG = Glycerin USP -C2 = Halocarbon 6.3 See Page 58 for Complete Fill Guide	-OX = Cleaned for Oxygen Service (Shipped in Sealed Bag) -AU = Gold Plated Diaphragm (20 Microns Thick) -TS = SS Tag (1-10 Characters) -YYY = No Instrument Mount, Dry Seal Only -XX = No Seal Fill, Dry Seal Only