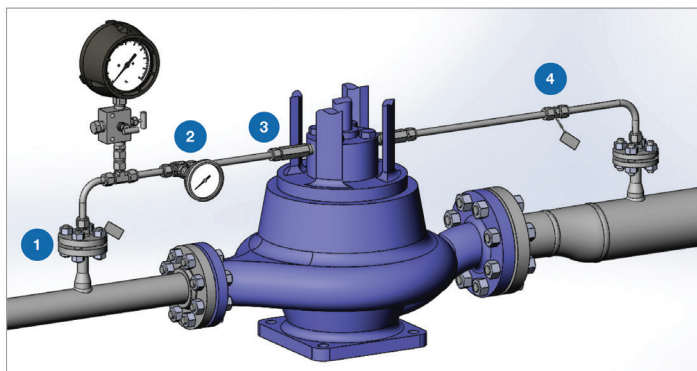


Swagelok

MECHANICAL EFFICIENCY PROGRAMME / API 682

Fewer Leak Points. Simplified Maintenance.

Swagelok Seal Flush Plan Components

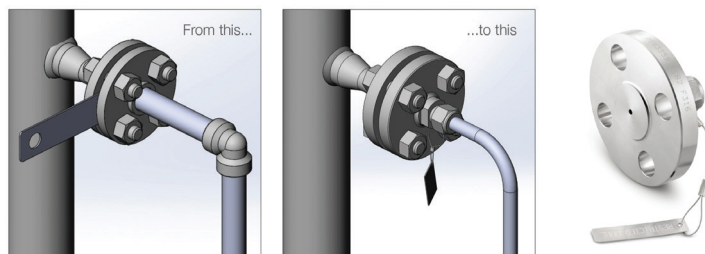


Swagelok Seal Flush Plan components help keep your rotating equipment running efficiently, with less downtime and fewer leaks. Our 2-inch and under components replace traditional threaded and welded pipe connections with bent tubing, tube fittings and other quality parts¹. Custom configurations and critical spares are available through your local Swagelok sales and service center.

¹API 682, 4th edition supports the use of tubing for mechanical seal support systems.

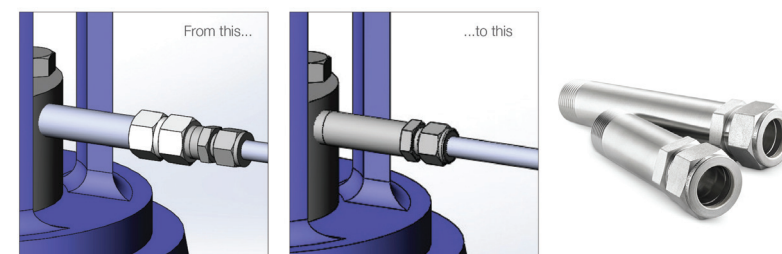
IMPROVE THE WAY YOU CONNECT

1 Integral Orifice Flange Adapter



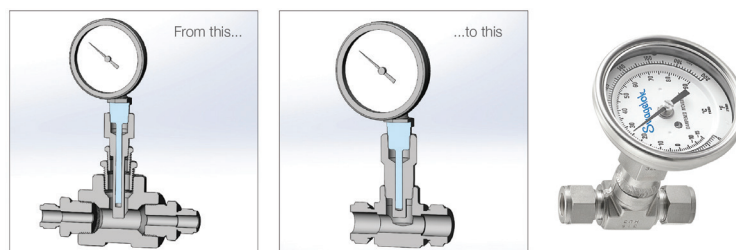
Replace threaded or welded flange assemblies with a one-piece flange adapter with an integral orifice.

3 Extended Male Connector



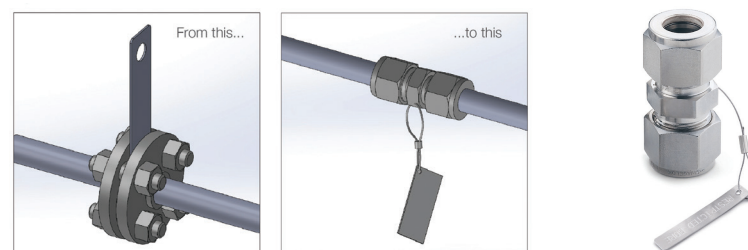
Eliminate threaded pipe and potential leak points with a single fitting. Available in 4- and 6- inch lengths, to allow you to clear the shroud and go straight from the gland to your tubing run in one piece.

2 Thermowell Tees

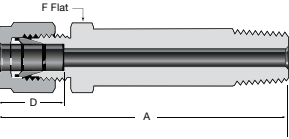
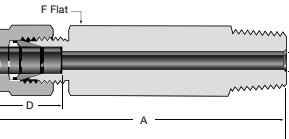


Reduce threaded connections and monitor temperature with integrated thermowell pre-welded into tube fitting tee for ease of installation.

4 Orifice Union



Easily add an orifice to a flush system with the orifice union. This fitting makes welding bulky flange assemblies unnecessary. Tagged for visual identification.



Safe Product Selection
When selecting a product, the total system design must be considered to ensure safe, trouble-free performance. Function, material compatibility, adequate ratings, proper installation, operation, and maintenance are the responsibilities of the system designer and user.

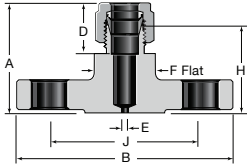
Warranty Information
Swagelok products are backed by The Swagelok Limited Lifetime Warranty. For a copy, visit our Swagelok Web site or contact your authorized Swagelok representative.

Extended Male Connector Hex Shank

Tube OD	NPT Size	Ordering Number	Dimensions				Pressure Rating
			A	D	E	F	
Dimensions, in. (mm)							psig (bar)
3/8	3/8	SS-600-1-6-50553	4.00 (102)	0.66 (16.8)	0.28 (7.1)	11/16	7500 (516)
		SS-600-1-6-49485	6.00 (152)				
1/2	1/2	SS-810-1-8-50553	4.00 (102)	0.90 (22.9)	0.41 (10.4)	7/8	6700 (461)
		SS-810-1-8-49485	6.00 (152)				
3/4	1/2	SS-1210-1-8-50553	4.00 (102)	0.96 (24.4)	0.63 (16.0)	1 1/16	5800 (399)
		SS-1210-1-8-49485	6.00 (152)				
	3/4	SS-1210-1-12-50553	4.00 (102)				
		SS-1210-1-12-49485	6.00 (152)				
Dimensions, mm (in.)							bar (psig)
12	1/2	SS-12MO-1-8-50553	102 (4.00)	22.8 (0.90)	9.5 (0.37)	22	470 (6821)
		SS-12MO-1-8-49485	152 (6.00)				

Integral Orifice Class 300 ANSI Flange Adapter with Tag

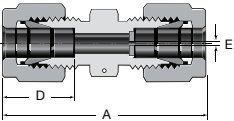
Tube OD	Flange Size	Ordering Number	Dimensions							Pressure Rating
			A	B	D	E	F	H	J	
Dimensions, in. (mm)									psig (bar)	
1/2	3/4	SS-810-F12-300-43359	1.96 (49.8)	4.62 (117)	0.90 (22.9)	0.125 (3.2)	1.06 (26.9)	1.56 (39.6)	3.25 (82.6)	720 (49.6)
	1/2	SS-810-F8-300-43359	1.90 (48.3)	3.75 (95.3)			1.50 (38.1)	2.62 (66.5)		
3/4	3/4	SS-1210-F12-300-43359	2.04 (51.8)	4.62 (117)	0.96 (24.4)		1.50 (38.1)	1.64 (41.7)	3.25 (82.6)	
Dimensions, mm (in.)									bar (psig)	
12	3/4	SS-12MO-F12-300-43359	49.8 (1.96)	117 (4.62)	22.9 (0.90)	3.2 (0.125)	26.9 (1.06)	39.6 (1.56)	82.6 (3.25)	49.6 (720)



Union Orifice Adapter with Lanyard

Tube OD	Ordering Number	Dimensions			Pressure Rating
		A	D	E	
Dimensions, in. (mm)					psig (bar)
1/2	SS-810-6PD-50174	2.02 (51.3)	0.90 (22.9)	0.125 (3.2)	6700 (461)
3/4	SS-1210-6PD-50174	2.11 (53.6)	0.96 (24.2)		5800 (399)

Please include E-dimension at time of order. E-dimension will be between 0.125 in. (0.3 mm) and maximum E-dimension for size of tube fitting.

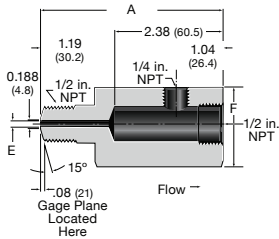


Extended Male Connector Machined Shank

Tube OD	NPT Size	Ordering Number	Dimensions				Pressure Rating
			A	D	E	F	
Dimensions, in. (mm)							psig (bar)
3/8	3/8	SS-600-1-6-52166	4.00 (102)	0.66 (16.8)	0.28 (7.1)	11/16	7500 (516)
		SS-600-1-6-52167	6.00 (152)				
1/2		SS-810-1-6-52166	4.00 (102)				
		SS-810-1-6-52167	6.00 (152)				
	1/2	SS-810-1-8-52166	4.00 (102)	0.90 (22.9)	0.41 (10.4)	7/8	6700 (461)
		SS-810-1-8-52167	6.00 (152)				
3/4	1/2	SS-1210-1-8-52166	4.00 (102)	0.96 (24.4)	0.63 (16.0)	1 1/16	5800 (399)
		SS-1210-1-8-52167	6.00 (152)				
	3/4	SS-1210-1-12-52166	4.00 (102)				
		SS-1210-1-12-52167	6.00 (152)				
Dimensions, mm (in.)							bar (psig)
12	1/2	SS-12MO-1-8-52166	102 (4.00)	22.8 (0.90)	9.5 (0.37)	22	470 (6821)
		SS-12MO-1-8-52167	152 (6.00)				
18	3/4	SS-18MO-1-12-52166	102 (4.00)	24.4 (0.96)	11.9 (0.47)	27	370 (5370)
		SS-18MO-1-12-52167	152 (6.00)				

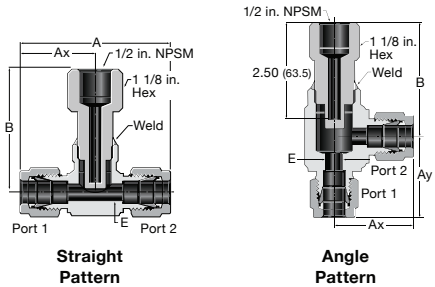
Orifice Adapter

Tube OD	Female NPT	Ordering Number	Dimensions			Pressure Rating
			A	E	F	
Dimensions, in. (mm)						psig (bar)
1/2	1/2	SS-8-A-08097	4.00 (102)	0.125 (3.2)	1 5/8	4900 (337)
3/4		SS-12-R8-8-08096			1 1/16	



Thermowell Tee

Tube OD	Ordering Number	Dimensions					Pressure Rating
		A	Ax	Ay	B	E	
Dimensions, in. (mm)							psig (bar)
3/8	SS-TTW-S6	2.84 (72.1)	1.42 (36.1)	2.86 (72.7)	0.28 (7.1)	4900 (337)	
1/2	SS-TTW-S8	3.06 (77.7)	1.53 (38.9)		0.41 (10.4)		
3/4	SS-TTW-S12	3.52 (89.4)	1.76 (44.7)	2.96 (75.2)	0.62 (15.7)	4600 (316)	
Dimensions, mm (in.)							bar (psig)
12	SS-TTW-S12MM	77.7 (3.06)	38.9 (1.53)	72.7 (2.86)	9.5 (0.73)	337 (4900)	
16	SS-TTW-S16MM				12.7 (0.50)		



Refer to *Temperature Measurement Devices, Bimetal Thermometers and Thermowells* catalog, MS-02-353, for additional information.