

Flange Weld Testers

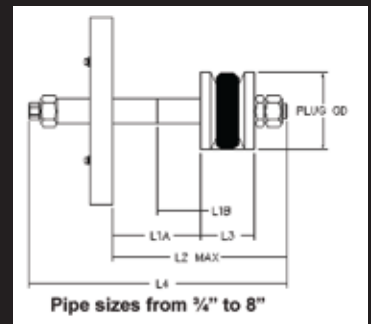


Integrated Solutions
to Piping Problems



Purge, Weld & Test Flange Connections with the same tool.

- Fast & Easy Installation & Testing
- Faster Pipe Repairs & Retrofits
- Reduces NDE
- Minimal Water Use, less Handling & Waste
- Minimum 1.5 : 1 Safety Factor
- Centre Port for Upstream Monitoring



Flange Size	Pipe Sched	Seal to Pipe Clearance (ins (mm))	Vent & Fill Port NPT size	L1-A (ins (mm))	L1-B (ins (mm))	L2 (ins (mm))	L3 (ins (mm))	L4 (ins (mm))	Shipping Weight in Kg 150 # Rating	Shipping Weight in Kg 300 # Rating
3/4"	80	0.07 (1.8)	1/8" F	12 (304.8)	3 (76.2)	14 1/4 (362.0)	1 1/4 (31.8)	24 11/16 (627.1)	3.62	4.08
DN20	40	0.07 (1.8)	1/8" F	12 (304.8)	3 (76.2)	14 1/4 (362.0)	1 1/4 (31.8)	24 11/16 (627.1)	4.08	4.98
1"	80	0.11 (2.8)	1/8" F	12 (304.8)	3 (76.2)	14 1/4 (362.0)	1 1/4 (31.8)	24 11/16 (627.1)	4.53	5.89
DN25	40	0.11 (2.8)	1/8" F	12 (304.8)	3 (76.2)	14 1/4 (362.0)	1 1/4 (31.8)	24 11/16 (627.1)	4.98	6.80
1 1/4"	80	0.13 (3.3)	1/4" F	12 (304.8)	3 1/8 (79.4)	15 (381.2)	1 3/8 (41.3)	20 3/8 (517.5)	6.34	8.16
DN32	40	0.13 (3.3)	1/4" F	12 (304.8)	3 1/8 (79.4)	15 (381.2)	1 3/8 (41.3)	20 3/8 (517.5)	9.06	11.33
1 1/2"	80	0.17 (4.3)	1/4" F	12 (304.8)	3 1/8 (79.4)	15 1/8 (384.2)	1 3/4 (44.5)	20 3/8 (517.5)	11.78	14.95
DN40	40	0.17 (4.3)	1/4" F	12 (304.8)	3 1/8 (79.4)	15 1/8 (384.2)	1 3/4 (44.5)	20 3/8 (517.5)	14.50	19.48
2"	80	0.25 (6.4)	3/4" F	12 (304.8)	6 (152.4)	17 1/8 (435.0)	2 (50.8)	22 3/8 (568.3)	31.72	41.23
DN50	40	0.25 (6.4)	3/4" F	12 (304.8)	6 (152.4)	17 1/8 (435.0)	2 (50.8)	22 3/8 (568.3)	66.15	80.65
2 1/2"	80	0.25 (6.4)	3/4" F	12 (304.8)	6 (152.4)	17 1/8 (435.0)	2 (50.8)	22 3/8 (568.3)		
DN65	40	0.25 (6.4)	3/4" F	12 (304.8)	6 (152.4)	17 1/8 (435.0)	2 (50.8)	22 3/8 (568.3)		
3"	80	0.38 (9.7)	3/4" F	12 (304.8)	6 (152.4)	17 1/8 (435.0)	2 (50.8)	22 3/8 (568.3)		
DN80	40	0.38 (9.7)	3/4" F	12 (304.8)	6 (152.4)	17 1/8 (435.0)	2 (50.8)	22 3/8 (568.3)		
4"	80	0.44 (11.2)	3/4" F	12 (304.8)	6 (152.4)	17 1/8 (435.0)	2 (50.8)	22 3/8 (568.3)		
DN100	40	0.44 (11.2)	3/4" F	12 (304.8)	6 (152.4)	17 1/8 (435.0)	2 (50.8)	22 3/8 (568.3)		
6"	80	0.50 (12.7)	3/4" F	12 (304.8)	6 (152.4)	20 1/2 (520.7)	3 3/4 (95.3)	28 (711.2)		
DN150	40	0.50 (12.7)	3/4" F	12 (304.8)	6 (152.4)	20 1/2 (520.7)	3 3/4 (95.3)	28 (711.2)		
8"	80	0.50 (12.7)	3/4" F	12 (304.8)	6 (152.4)	20 3/4 (527.1)	4 (101.6)	28 (711.2)		
DN200	40	0.50 (12.7)	3/4" F	12 (304.8)	6 (152.4)	20 3/4 (527.1)	4 (101.6)	28 (711.2)		

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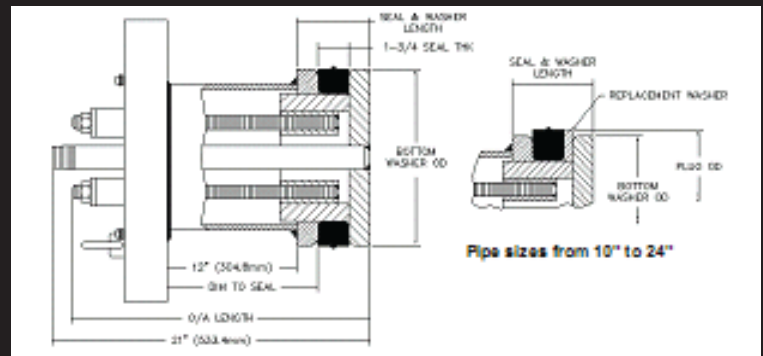
Maximum Test Pressures

150 ANSI Flange Class - 450psi (30.9 bar)

300 ANSI Flange Class - 1,125psi (77.2 bar)

600+ ANSI Flange Class - 1,125*psi (77.2* bar)

*Contact Patriot for higher pressure ratings



12/10/10	ANSI Flange Class	Pipe Sched	Bottom Washer O.D. (ins (mm))	Plug O.D. (ins (mm))	Shaft Qty	Dimension to Seal (ins (mm))	Overall Length (ins (mm))	Seal / Washer Length (ins (mm))	Seal O-Ring Dash Number	Shipping Weight in Kg 150# Rating	Shipping Weight in Kg 300# Rating
10"	DN250	150 - 300	8.81 (223.8)	80	9.06 (230.1)	4	12 ^{1/2} (317.5)	4 (101.6)	-446	79.3	104.2
		60 / XS		9.25 (235.0)	4 (101.6)			-446			
		40 / STD		9.52 (241.8)	4 (101.6)			-447			
12"	DN300	150 - 300	10.87 (276.1)	80	10.87 (276.1)	4	12 ^{1/2} (317.5)	3 ^{1/2} (88.9)	-449	96.1	150.4
		XS		11.25 (285.8)	4 (101.6)			-450			
		40 / STD		11.50 (292.1)	4 (101.6)			-451			
14"	DN350	150 - 300	11.00 (279.4)	80	12.00 (304.8)	6	12 ^{1/2} (317.5)	4 ^{3/8} (111.1)	N/A	134.1	174.9
		XS		12.50 (317.5)	4 ^{3/8} (111.1)						
		40		12.62 (320.5)	4 ^{3/8} (111.1)						
		30 / STD		12.75 (323.9)	4 ^{3/8} (111.1)						
16"	DN400	150 - 300	13.06 (331.7)	80	13.81 (350.8)	8	12 ^{1/2} (317.5)	4 ^{3/8} (111.1)	N/A	179.9	239.2
		40 / XS		14.50 (368.3)	4 ^{3/8} (111.1)						
		30 / STD		14.75 (374.7)	4 ^{3/8} (111.1)						
18"	DN450	150 - 300	14.75 (374.7)	80	15.62 (396.7)	8	12 ^{1/2} (317.5)	4 ^{5/8} (117.5)	N/A	225.2	297.2
		40		16.38 (416.1)	4 ^{5/8} (117.5)						
		XS		16.50 (419.1)	4 ^{5/8} (117.5)						
		STD		16.75 (425.5)	4 ^{5/8} (117.5)						
20"	DN500	150 - 300	16.94 (430.3)	80	17.44 (443.0)	10	12 ^{1/2} (317.5)	4 ^{3/8} (111.1)	N/A	290.0	394.2
		40		18.31 (465.1)	4 ^{3/8} (111.1)						
		30 / XS		18.50 (469.9)	4 ^{3/8} (111.1)						
		20 / STD		18.75 (476.3)	4 ^{3/8} (111.1)						
24"	DN600	150 - 300	19.88 (505.0)	80	21.06 (534.9)	12	12 ^{3/4} (323.9)	4 ^{3/4} (120.7)	N/A	422.3	568.6
		40		22.12 (561.8)	4 ^{3/4} (120.7)						
		XS		22.50 (571.5)	4 ^{3/4} (120.7)						
		20 / STD		22.75 (577.9)	4 ^{3/4} (120.7)						

Other Schedules & 600# flanges available upon request

Seal to Pipe Clearance: Approx. 1/2"

Replacement Washers: Required for all sched sizes except for the smallest I.D. for each size pipe

External O-ring: Included on 10" and 12" seals

Standard Seal Material: Urethane