

Specifications - Uni-Flange® Series 900 Adapter Flange

Features of the 900-C and the 900-S Series Adapter Flange for PVC Pipe

The Series 900 Adapter Flange joins plain-end PVC pipe to valves, pumps, meters - virtually all types of liquid and process equipment. The flange provides a power-tight, rigid flanged connection; it eliminates solvent welding, tie rodding, harnessing and other forms of restraint. The 900 Adapter Flange also facilitates maintenance of flanged systems and equipment - simply loosen the bolts and remove the flange.

The 900 Adapter Flange provides positive end restraint with a series of serrations that are machined (not cast) on the inside of the flange. When the two flange halves are brought together by tightening the clamping bolts, these serrations lock the flange onto the pipe. The exclusive, dual seal gasket is then added (no other gasket is necessary). Tightening the flange bolts compresses the gasket against the facing flange and down onto the pipe surface, providing a leak proof seal.

Series 900 - Material: Ductile Iron
ASTM A536 Grade 65-45-12

Color Code:
Red for PVC with ductile iron pipe O.D.
Gray for PVC with steel pipe O.D.

Testing - Flanges meet all test requirements of AWWA C-900, ASTM D2241, ASTM D1599 and ASTM D2992

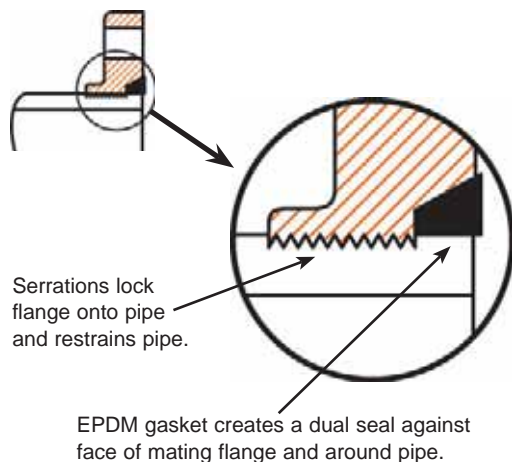
Clamping Bolts and Nuts

Drilling - ANSI B16.1 - 125 lb. for cast iron flanges.
ANSI B16.5 - 150 lb. for steel flanges.

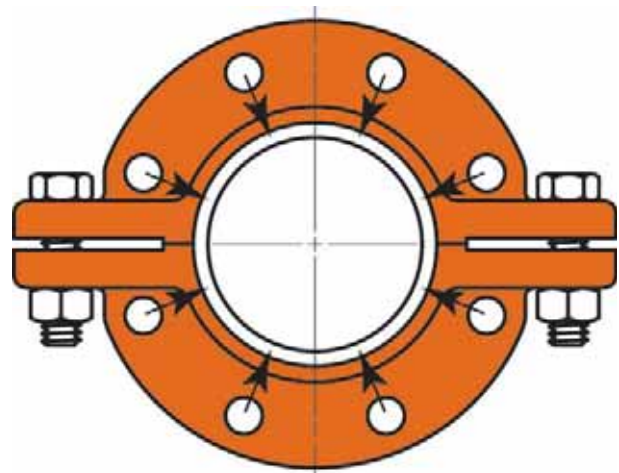
Series 900 Installed

Gasket - EPDM (-65° to 250°F) suitable for water and wastewater, ozone and strong oxidizing chemicals

Lock and Seal features of Series 900



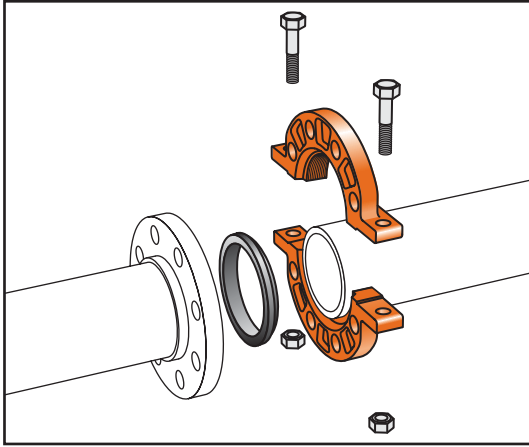
Symmetrical Force Will Not Distort Pipe



Uni-Flange® Series 900 Adapter Flange

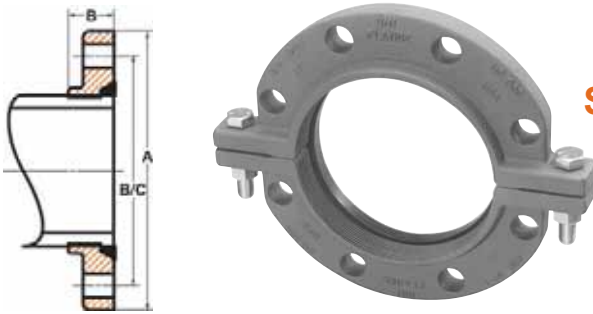
For PVC Pipe

Installation Instructions for Series 900 Adapter Flange



1. Cut PVC Pipe to the required length. Make sure the end is free from burrs or shavings.
2. It is important to first position flange halves on pipe so that the face of the flange is aligned evenly with the square cut end of the pipe. Insert and tighten side clamping bolts evenly until both flange halves meet (metal to metal seating at the I.D.).
3. Then lubricate gasket (with standard pipe lube), and position it on the pipe with the tapered end in the flange gasket cavity.
4. Insert and tighten flange bolts in an alternating manner.

Note: The Series 900 is designed for use on PVC Pipe ONLY; it is NOT recommended for use on metallic pipe. For installations on metallic pipe, use Uni-Flange Series 200, 400 and 420.



Series 900 Adapter Flange for PVC Pipe Flange Drilling ANSI B16.1 125 lb. / ANSI B16.5 150 lb.

NOM. PIPE SIZE	PVC PIPE WITH STEEL PIPE OD		PVC PIPE WITH OD DUCTILE IRON PIPE		APPROX. WT. LBS.	DIMENSIONS			FLANGE BOLTS		CLAMPING BOLTS	
	O.D.	CAT. No.	O.D.	CAT No.		A	B	BC	No.	BOLT HOLE DIAMETER	No.	SIZE
4"	4.50	UFA900-S-4	4.80	UFA900-C-4	13.0	9	1.50	7.50	8	3/4"	2	5/8"x3"
6"	6.63	UFA900-S-6	6.90	UFA900-C-6	16.0	11	1.56	9.50	8	7/8"	2	5/8"x3"
8"	8.63	UFA900-S-8	9.05	UFA900-C-8	25.0	13.5	1.88	11.75	8	7/8"	2	3/4"x3-1/2"
10"	-	-	11.10	UFA900-C-10	39.0	16	2.00	14.25	12	1"	2	7/8"x5"
12"	-	-	13.20	UFA900-C-12	54.0	19	2.25	17.00	12	1"	2	7/8"x5"

Note: Flanges are furnished with EPDM gaskets.

All dimensions in inches unless otherwise stated.

Series 900 Applications / Pressure Rating

PRODUCT TYPE	NOM. SIZE	PIPE STANDARD	TYPE	PRESSURE RATING (PSI)	
Series 900-C	4"-12"	AWWA C-900	DR-14	200	
			DR-18	150	
			DR-25	100	
Series 900-S	4" 6" 8"	ASTM D2241	SDR-21	200	
			SDR-26	160	
			SDR-32.5	125	
	4" 6" 8"	ASTM 1785	Schedule 40	4"	220
				6"	180
				8"	160
4" 6" 8"	ASTM 1785	Schedule 80	4"	320	
			6"	280	
			8"	250	