

897 & 898 SERIES - PVC GRAY SCHEDULE 80 UNION (SLIP X SLIP & FPT X FPT)

APPLICATIONS:

- Commonly used in irrigation, wastewater management, chemical processing and manufacturing applications.
- Not recommended for use in compressed air or gas systems.

FEATURES:

- Corrosion resistant.
- Can be easily removed and replaced when periodic disconnection of pipes is required because they do not require any adhesive.
- Ends are interchangeable to create a solvent weld-to-threaded connection. Can be taken apart and reassembled with FPT on one end and Slip on the other.

SPECIFICATIONS:

- EPDM (Ethylene Propylene Diene Monomer) Rubber O-ring (included)
- Material conforms to ASTM D-1784
- Threads conform to ASTM D-2464
- Dimensions confirm to ASTM D-2467

CERTIFICATIONS:

- NSF/ANSI/CAN Standard 61 Certified (Drinking Water System Components - Health Effects)
- NSF/ANSI Standard 372 Certified (Drinking Water System Components - Lead Content)

RATINGS:

- Max Pressure rating: 150 PSI (1034 kPa)
- Max Temperature rating: 73°F (23°C)
- See Temperature Correction Factor chart on Page 2.



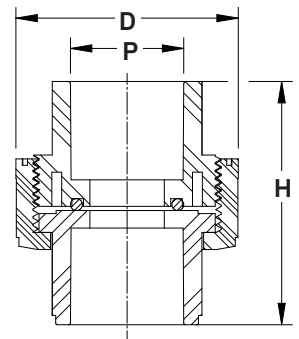
Threaded



Slip



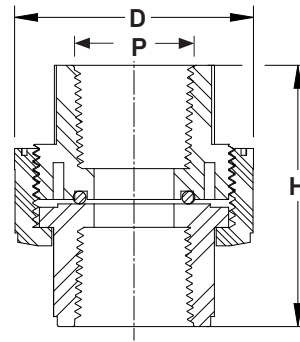
897-020
(Slip)



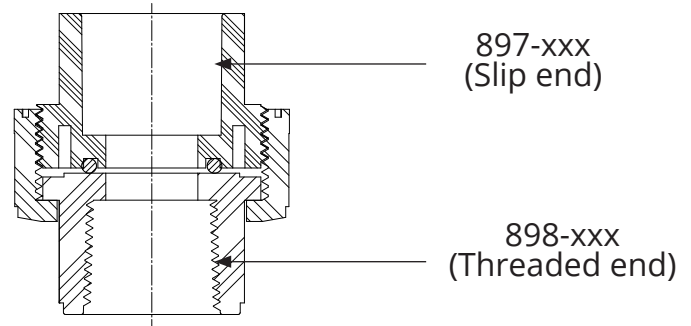
Schedule 80 PVC Unions - Slip x Slip											
Slip x Slip Part No.	Size	D		H		P		Weight		O-Ring Size (ID x W)	
		in	mm	in	mm	in	mm	lb	grams	in	mm
897-005	1/2"	46.5	1.831	56	2.205	0.531	13.5	0.11	49.90	0.612 x 0.103	15.54 x 2.62
897-007	3/4"	55	2.165	64	2.520	0.649	16.5	0.18	81.65	0.827 x 0.103	21.00 x 2.62
897-010	1"	66	2.598	72	2.835	0.866	22.0	0.26	117.93	1.012 x 0.138	25.70 x 3.50
897-012	1-1/4"	82	3.228	87	3.425	1.181	30.0	0.48	217.72	1.296 x 0.139	32.92 x 3.53
897-015	1-1/2"	98	3.858	90	3.543	1.496	38.0	0.77	349.27	1.654 x 0.177	42.00 x 4.50
897-020	2"	120	4.724	98	3.858	1.575	40.0	1.19	539.77	2.100 x 0.210	53.34 x 5.33
897-030	3"	163	6.417	127	5.000	2.953	75.0	2.86	1297.27	3.100 x 0.210	78.74 x 5.33



898-010
(Threaded)



Schedule 80 PVC Unions - FPT x FPT											
FPT x FPT Part No.	Size	D		H		P		Weight		O-Ring Size (ID x W)	
		in	mm	in	mm	in	mm	lb	grams	in	mm
898-005	1/2"	46.5	1.831	56	2.205	0.531	13.5	0.12	54.43	0.612 x 0.103	15.54 x 2.62
898-007	3/4"	55	2.165	64	2.520	0.649	16.5	0.18	81.65	0.827 x 0.103	21.00 x 2.62
898-010	1"	66	2.598	72	2.835	0.866	22.0	0.29	131.54	1.012 x 0.138	25.70 x 3.50
898-012	1-1/4"	82	3.228	87	3.425	1.181	30.0	0.55	249.48	1.296 x 0.139	32.92 x 3.53
898-015	1-1/2"	98	3.858	90	3.543	1.496	38.0	0.75	340.19	1.654 x 0.177	42.00 x 4.50
898-020	2"	120	4.724	98	3.858	1.575	40.0	1.37	621.42	2.100 x 0.210	53.34 x 5.33
898-030	3"	163	6.417	127	5.000	2.953	75.0	3.02	1369.85	3.100 x 0.210	78.74 x 5.33



897/8 - Example
(Solvent Weld-to-Threaded Connection)

Temperature Correction Factor to PVC

As temperature increases, working pressure decreases. The optimal working pressure for PVC is 150 PSI @ 73°F (22°C). If the temperature increases above 73°F (22°C), use the PVC correction factor to determine working pressure. Multiply the maximum working pressure by the correction factor.

Temperature	73°F (22°C)	90°F (32°C)	100°F (38°C)	110°F (44°C)	120°F (49°C)	130°F (54°C)	140°F (60°C)
PVC Correction Factor	1.00	0.75	0.62	0.51	0.40	0.31	0.22

For more information on installation,
adjustment, repair & operation, visit
Boshart Knowledge Base at
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