

PosiGrip Adapter Restrained Connection

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*Sizes
4" ~ 12"*

*No Fusion
Welding!*

*High Strength
Ductile Iron!*

*Easy
Assembly!*

*For use with:
HDPE Pipe - AWWA C906
PVC Pipe - AWWA C900*



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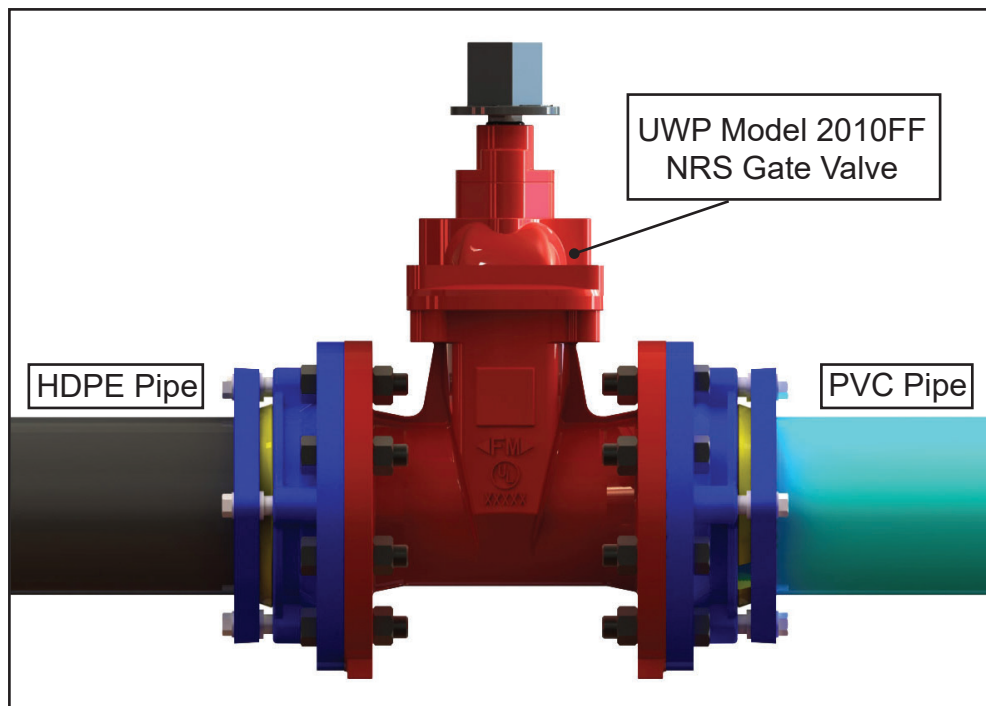
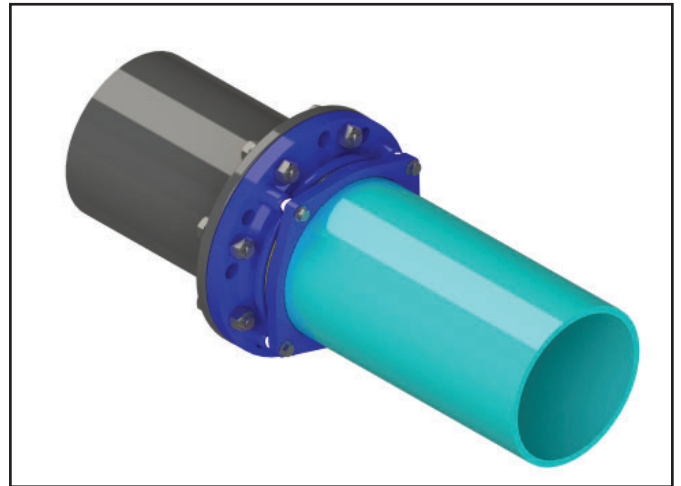
The PosiGrip Method

PosiGrip is a method of joining flanged fittings, flanged valves, and other equipment with integral flanged ends to plain-ended, HDPE pipes and PVC pipes, with all the advantages to ductile iron and steel pipes with welded, grooved, or screwed systems.



How it Works

Like all the best ideas, the working principal of PosiGrip is a simple one. Slide the flange and gasket over the plain-ended pipe so that the end of the pipe and flange are in line. When the PosiGrip is brought to mate against the existing flange, and the flange bolts are tightened, it creates a compression seal against the mating flange and down on the pipe surface.



PosiGrip Advantages

The PosiGrip needs no special equipment or tools for installation. It can easily be attached to HDPE and PVC pipes on the jobsite with only a torque wrench. The built-in end restraint eliminates the need for additional restraining devices.

Attaching the PosiGrip to HDPE pipes can be done without the necessity of electric fusion welding equipment, saving time and money.

PosiGrip in Action

Will the brass restraining ring damage the pipe?

With HDPE or PVC pipes, which the PosiGrip was designed for, there is no danger of damage from the brass restraining ring. The ring gives 360 degree evenly distributed gripping action.

Will the restraining ring loosen or give less restraint with continual use?

The PosiGrip is designed so that as the internal pipeline pressure increases the end pull resistance increases.

Can the PosiGrip be used underground and above ground?

Yes, both. All materials are corrosion resistant.

How far off can the length of pipe be? How exact is the cutting tolerance?

The pipe should not exceed 1/4" back from the mating flange.

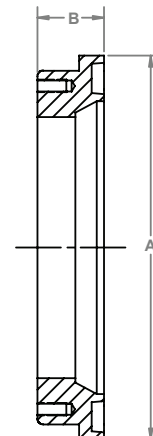
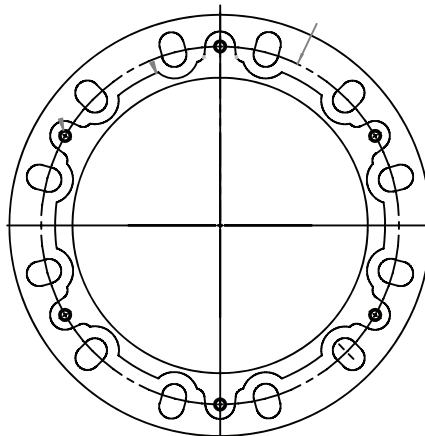
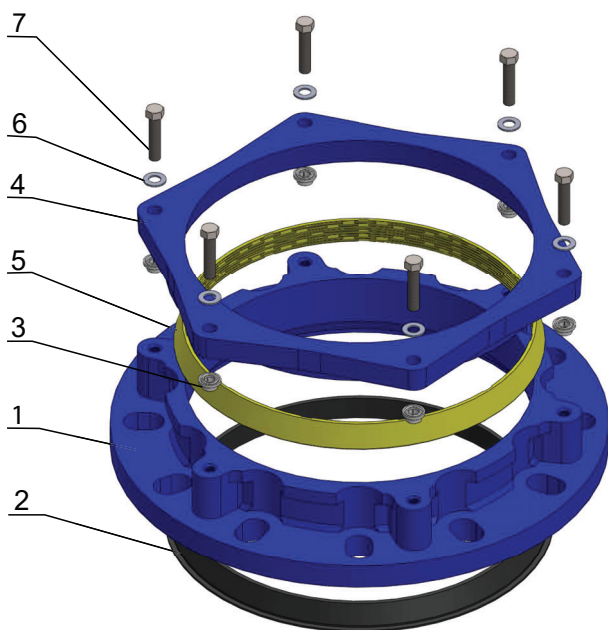
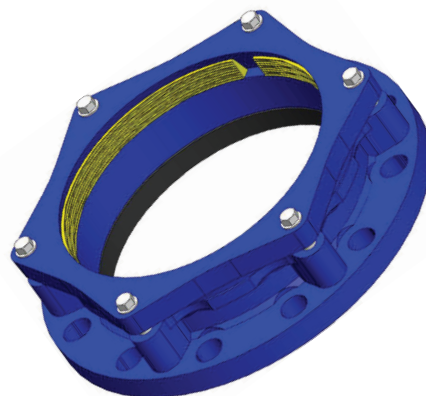
What types of piping systems is the PosiGrip designed for?

The flange is designed for water and wastewater systems with ambient temperatures.

UniFit Model 7390 PosiGrip Adapter Technical Information

MATERIAL LIST

Item No.	Description	Material
1	Body	Ductile Iron ASTM A536 65-45-12
2	MJ Gasket	SBR
3	PosiGrip Bolt Spacer	Polyethylene
4	Retainer Gland	Ductile Iron ASTM A536 65-45-12
5	Restraining Ring	Brass
6	Flat Washer	Zinc Plated Steel
7	Retainer Bolts	Zinc Plated Steel



DIMENSIONAL DATA

Nominal Pipe Size	Part No.	Pipe O.D.	A	B	Retainer Ring Bolt Size	Qty.
4"	7390-04	4.80	9.00	2.00	3/8" - 16	4
6"	7390-06	6.90	11.00	2.21	7/16" - 14	4
8"	7390-08	9.05	13.50	2.33	7/16" - 14	4
10"	7390-10	11.10	16.00	2.71	7/16" - 14	6
12"	7390-12	13.20	19.00	3.00	7/16" - 14	6

Dimensions in inches

Description:

1. For use with PVC Pipe (AWWA C900) and HDPE Pipe (AWWA C906) same as AWWA DI pipe O.D.'s.
2. Material: High strength ductile iron, ASTM 536, Grade 65-45-12
3. Flange End: Drilled in accordance with ANSI B16.1 Class 125
4. Rated @ 250 psi WWP

Installation Instructions

1. Clean plain end. Be sure that the plain end is cut square and free of burrs.
2. Thoroughly lubricate plain end of pipe and gasket with a soap-based lubricant. This allows the gasket to slip easily into position, making sure it seats evenly.
3. Slide flange over the plain end of pipe.
4. Slide lubricated gasket over the plain end of the pipe. No other gasket is necessary or should be used to seal the flange faces. Slide gasket forward until it is evenly seated in the flange cavity.
5. Pull flange & gasket to the end of the pipe. Then using conventional flange bolts, mate the PosiGrip to the standard fixed flanged item. Be sure to evenly tighten the flange bolts alternately on opposite sides. Maintain approximately the same space between the flange faces at all points around the joint. Tighten flange bolts to appropriate torque values.
6. Snug down all retainer gland hex bolts evenly. Tighten with wrench to appropriate torque values.

Notes

These instructions apply to AWWA C906 HDPE and AWWA C900 PVC pipes. For other piping materials and special pressure or media application, please consult us.

The design and dimensions of products and/or component parts are subject to change without notice.

The Inventor

The PosiGrip was developed by Mr. Charles Wendell Roche, the inventor of the UniFlange adapter in 1975. In addition to the UniFlange, Mr. Roche has innovated many other piping products used in waterworks and fire protection throughout the world. The rapid growth of HDPE and PVC underground water transmission lines prompted many companies to develop restrained flange adapters, but most were too costly and cumbersome to install. The PosiGrip, designed and developed by United Water Products, Division offers economy and ease of installation without compromising performance.

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