

E/One FRMA Compression Coupling Instructions

If it goes in right, it will work right. It's all about the details

How far does the pipe go into the 1-1/4 discharge coupling?

These fittings are a restrained bell and gasket fittings made of polypropylene material. They do not use insets or pipe stiffeners. These fittings seal to the outside wall of clean, smooth pipe. Make sure to use IPS fittings on SDR 11 HDPE IPS pipe. IPS fittings will not seal on CTS dimensioned pipe.

- Measuring from the outside of the grip nut to the internal stop is 3-3/4 inches.
- The pipe should be beveled slightly and pipe lubricant used on the end of the pipe.
- Inspect the pipe for any cuts or gouges in the outer wall.
- If the pipe is cut or gouged, cut back the damaged pipe until you have a smooth outer wall section.
- The pipe seal is dependent on compression between the outer wall of the pipe and against the O-ring in the coupling.
- Make a mark on the pipe at 3-3/4 inch from the end. Use a white marker or grease pencil that will show up against the black HDPE material.
- Loosen the grip nut almost all the way off and then insert the pipe until you feel resistance through the internal grip ring and then at the O-ring
- Once the pipe hits the O-ring, push until the pipe stops at the internal stop.
- You should be able to feel the pipe slide past the O-ring and hit the stop
- Resistance will be greater in cold weather than in hot weather.
- Tighten the grip nut and the mark you made should just barely be visible at the end of the grip nut.
- Grip nut does not seal a leak. Overtightening will only damage the fitting. Tighten hand tight and then an additional turn with a wrench.
- If using PVC pipe instead of HDPE, you must use a SS grip ring (sold separately) as an added grip ring in the fitting. This SS ring is strong enough to cut into the harder wall PVC to restrain the fitting.



FIG.	Parts	Pieces	Despiece
1	Grip ring	Bague de serrage	Cono de fij
2	Nut	Ecrou	Tuerca
3	Insert	Bague de compression	Casquilla p
4	O-ring	Joint torique	Junta tórica
5	Body	Corps	Cuerpo



If using a 1-1/2 inch coupling, the pipe insertion is 4 inches rather than 3-3/4 inches.

For further assistance call 781-982-9300

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