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IMPORTANT INSTALLATION INFORMATION REGARDING FLOPLAST FITTINGS INSTALLATIONS PLEASE READ

The purpose of this communication is to pass along our observations and share with you correct procedures regarding installation of **FloPlast** Compression Fittings

- 1) **Tightening of Caps** – This is the number one cause of any leaks. The distance between the bottom of the compression ring and the base of the fitting is $\frac{1}{4}$ ". Once this distance is closed and the compression ring sits flush on the body, the O-Ring has compressed. **THIS DOES NOT HAPPEN UNTIL THE LAST THREAD IS COVERED.**
- 2) **Deflection of Pipe** – **FloPlast** Fittings have been tested for pipe deflection under pressure, which is stated in the **FloPlast** Products Catalog. However, it is important to keep in mind that a small degree of deflection is okay, but larger degrees of deflection is asking the fitting to do something it is not designed to do. When connecting PVC to HDPE, the PVC is far less flexible, so it is imperative to ensure a straight connection with PVC. Please refer to PVC or HDPE manufacturers recommended preparation of ditch and condition of base prior to installing **FloPlast** Compression Fittings.
- 3) **Chain Wrench** – **DO NOT USE CHAIN WRENCHES OR STRAP WRENCHES**, use a pipe wrench or the **FloPlast** metal wrench we sell. This is because the chain wrench applies pressure around the entire cap and causes pressure on the threads, which makes it much harder to tighten. Using a chain or strap wrench will cause you to experience extreme tightness before all threads are actually covered.
- 4) **Light Lubricant** – when installing 2", 3" & 4" fittings, we recommend that you utilize a light lubricant or Teflon tape for the purpose of easing the friction between the cap and the threads. You may also use soapy water or a light lubricant, if available, on the pipe, which will make it easier to slide pipe past the O-ring. Before using any lubricant on pipe directly (if being installed in a potable water system), ensure it meets NSF approval.
- 5) **Pressure Test System** – **FloThru Distribution Corporation highly recommends that installers pressure test any lines for leaks or breaks prior to covering any lines which are to be buried.** In the event installer does not pressure test prior to burying/covering the line, FloThru Distribution Corporation will not be responsible for any labor and/or equipment cost to dig up and repair any leaks/breaks.
- 6) **$\frac{1}{2}$ " – 2" FloPlast Fittings** – Make sure the pipe end is clear of sharp edges and debris before connecting. It is not required, however it does assist in an easier installation if you utilize a chamfer tool on pipe edges $\frac{1}{2}$ "- 2". You do not need to remove the cap on these sizes; loosen cap and insert pipe past 1st) the grip ring; and 2nd) past the O-ring.



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7) **3" & 4" FloPlast Fittings** – remove cap and put components on pipe in same order as components are in the fitting (cap, grip ring, compression ring, O-ring) Make sure the pipe end is clear of sharp edges and debris before connecting; then insert pipe in to fitting body, slide O-ring into fitting, then compression ring while making sure it is in as far as possible, pull grip ring apart slightly and slide up flush against compression ring, use a light lubricant or Teflon tape and then slide cap on to threads and tighten with pipe wrench until last thread is covered.

8) **FloPlast** Compression Fittings **do not meet ASTM D2513-06 Standard Specification for Thermoplastic Gas Pressure Pipe, Tubing, and Fittings.**

If these suggestions are followed the fitting will not leak and will maintain a 232 PSI. By sharing this information with you, we hope to ensure that each and every installation using **FloPlast** Compression Fittings are done correctly and efficiently.

We appreciate your business, and we encourage you to call on us for assistance or to answer any questions regarding the fittings' purpose, installation or capabilities. If you have a major job where many **FloPlast** Fittings are to be used and buried, we are happy to consult with the construction company or make a visit at the beginning of the project, if desired to advise as to how to ensure a clean and efficient installation.

If you have any questions feel free to give us a call, we are interested and willing to help in any way we can.

Sincerely,

A handwritten signature in black ink, appearing to read "Dan McGrew".

Dan McGrew
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