

PRODUCT SPECIFICATION

GASKETED DR 18 & DR 25 CIOD PRESSURE FITTINGS | C-Series

FABRICATED IN SIZES 10" – 36"

The C-Series line of DR18 and DR25 gasketed pressure fittings is for CIOD applications. Our C900 fittings are designed to be used with engineered joint restraints or concrete thrust blocking. They are a tough alternative to cast iron fittings, but have the benefit of being resistant to corrosion because they contain no metallic parts. Our fittings contain the same long-term hydrostatic strength as our CIOD pressure pipe.



The gasket ensures watertight joints with virtually no risk of infiltration or leakage. Only pure clean water that enters the system, leaves the system. A standard bell OD facilitates joint restraint installation while allowing all fittings to have fiberglass reinforced wrap, where required, for added strength.

Bends of 45° or less are manufactured of one piece construction, where available, providing a lightweight, compact fitting which can easily be handled in the field.

DESIGN ADVANTAGES

- Corrosion-resistant
- Thermoformed, glued and fiberglass reinforced, where required
- Watertight gasket for system integrity
- Durable, easy to install and long lasting

APPLICATIONS

- Used in both higher pressure water systems and low pressure sewer force main systems.

TYPICAL USES

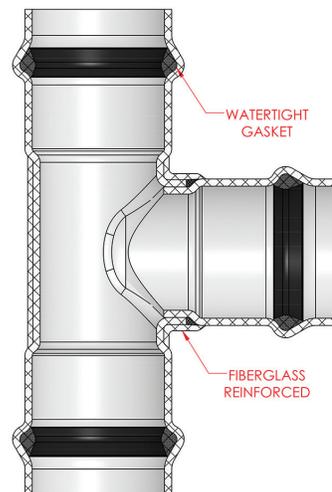
- Potable Water Supply
- Industrial Process Lines
- Municipal Water Mains
- Sewer Force Mains
- Fire Lines

ATTENTION: Our fittings are not to be used or tested with compressed air or gases.

C-Series fittings are a fully-integrated DR18 and DR25 fitting line used for connections with CIOD. Fully reinforced with fiberglass wrap, where required, and designed for easy installation.

SHORT TERM SPECIFICATIONS

Fabricated fittings 10" and greater shall conform to the requirements of AWWA C900. Fabricated fittings shall have a dimensional ratio equal to that of the pipe they are being installed on. All PVC CIOD fittings shall incorporate integral elastomeric gasket bell joints. Materials used in the manufacture of PVC fittings shall equal or exceed cell class 12454 (ASTM D1784) with a hydrostatic design basis of 27.58 Mpa at 23°C as outlined in AWWA C900. The compound shall be listed with the National



PRODUCT SPECIFICATION

GASKETED DR 18 & DR 25 CIOD PRESSURE FITTINGS

C-Series

Sanitation Foundation. Fabricated fittings shall be manufactured from segments of PVC pipe bonded together and over wrapped with fiberglass-reinforced polyester, where required, to the requirements of AWWA C900. All bends, up to and including 45°, shall be constructed from a single section of PVC pipe, without joints, bonding or fiberglass-reinforced polyester wrapping, where available.

Note: Where the bends 45° or less are one piece, fiberglassing is redundant and can be eliminated. The pressure rating of the fittings shall be equal to the pressure rating of the pipe they are being installed on. All fittings shall be marked with the following identifications: Nominal size, CIOD, Manufacturers name or trademark, AWWA pressure rating, pressure class and standard number to which the fitting is made, and an indication of potable water use, potable, P, PW and proper handling label.

CERTIFICATION

Our Pressure C.I.O.D. Gasketed Sewer fittings conform to AWWA C900. Fabricated fittings are made from NSF-61 certified pipe and gaskets.