

# C900 Pressure Fittings

## Material Specifications

### Scope:

This letter covers the material specifications for PVC pipe used to fabricate pressure fittings. Galaxy Plastics offers PVC C900 fittings for use in pressure applications such as potable water and sewer force mains in the following nominal sizes and DR ratings:

4" through 24" (100mm-600mm) C900 DR18 (235psi) & DR25 (165psi)  
30" through 36" (750mm-900mm) C900 DR25

Galaxy Plastics products meet or exceed performance standards set out by American Water Works Association (AWWA), Canadian Standards Association (CSA), American Society for Testing and Materials (ASTM), and National Sanitation Foundation (NSF),

### Materials:

PVC extruded pipe used in the manufacturing of Galaxy Plastics fittings complies with:

- ASTM D1784 "*Standard Specifications for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds*" having cell classification 12454.
- Gaskets used by Galaxy Plastics confirm to ASTM F477 "*Standard Specifications for Elastomeric Seals (Gaskets) for Joining Plastic Pipe*".

### Performance:

Galaxy Plastics fabrications C900 fittings conform to the following standards:

- AWWA C900 "*Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings 4" through 60" (100 mm through 1,500mm)*"
- NSF 61 "*Drinking Water Systems Components – Health Effects*"

Galaxy Plastics fabricated fittings have been third party tested to meet or exceed CSA B137.3 "*Rigid Poly(Vinyl Chloride) (PVC) Pipe for Pressure Applications*" sizes up to and including 36".