

# Purad

Natural Polyvinylidene Fluoride (PVDF)  
High Purity Piping System  
REV:HP0512PV



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**Material** ASTM D3222 Type II Suspension grade homopolymer. Resin shall comply with FDA Code of Federal Regulators (CFR), Title 21, Chapter 1: Section 177.2510 determining suitability for contact with foodstuff.

**Pipe Production** Dimensions and tolerances shall exceed ISO 10931 requirement. Pipe shall be extruded in ISO Class 5 cleanroom environment.

**Fitting Production** Dimensions and tolerances shall exceed ISO 10931 requirement. Fittings shall be molded with a central injection gate.

**Pressure Rating** Components shall be pressure rated in accordance with ASTM D2837 and DIN 8077 for hydrostatic design basis. Components shall be manufactured to standard dimensional ratio (SDR) 21 and 33 and others upon request.

Based on continuous service life of 50 years at 68F (20C).

SDR21: 230psi (PN16)

SDR33: 150psi (PN10)

PN = Nominal pressure in bar.

**Joining** Available methods shall be according to the schedule below  
DVS 2208-1 Socket: 1/2" (20mm) through 2" (63mm)  
DVS 2207-15 Contact Butt: 1/2" (20mm) through 12" (315mm)  
DVS 2207-6 Non Contact IR: 1/2" (20mm) through 12" 315mm)  
Beadless Fusion: 1/2" (20mm) through 2" (63mm)

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