

## Polyalloy Insert Fittings for Pex Tubing

### Specification Sheet

### Overview

The intended use of the product is for installation in hot and cold potable water distribution systems, as well as hydronic radiant heating systems using SDR 9 tubing manufactured against ASTM F876 or CSA B137.5.

For potable hot and cold water distribution, use the Superpex polyalloy insert fittings with tubing designed for potable water distribution such as Superpex. For hydronic radiant heating and cooling, use the Superpex polyalloy insert fittings with tubing manufactured with an oxygen barrier tubing such as Oxyplex. The Superpex polyalloy insert fittings exhibit excellent corrosion resistance and are a superior alternative to metal fittings.

### Technical Data

#### Material:

Polyphenylsulfone blend or Polysulfone meeting the requirements of ASTM D6394 as required by ASTM F2159.

Continuous working pressure:  
690 kPa - 82°C / 100 psi @ 180°F  
1103 kPa - 23°C / 160 psi @ 73°F

### Standards

Made to the dimensional, material and performance requirements of ASTM F2159, ASTM F877 and CSA B137.5

### Listings

Listing holder: Bow Plumbing Group Inc.

NSF 14; NSF 61; cNSFus-pw

CSA B137.5; ASTM F2159

### Precautions

#### Bow Superpex Polyalloy Insert Fittings

- Should not be painted
- Should not be exposed to cleaners, chemicals, solvents or glues
- Should always be stored in clean, preferably lined bins or containers
- Cannot be used in compressed air systems
- Should not be installed in concrete or under a slab
- Shall be joined by copper crimp rings meeting the requirements of ASTM F1807
- Bow Superpex polyalloy insert fittings with male pipe threads must only use PTFE tape as a thread sealant
- Should not be exposed to direct ultra violet light
- Do not use soap or detergent solutions for leak detection



March 2024

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