

+GF+ SYGEF® Standard PVDF Piping System



For the industrial water and chemical market, SYGEF Standard provides a premier piping system solution because of its purity characteristics, chemical resistance and extensive product and fusion offerings. It is joined using BCF Plus (20mm - 110mm), Socket Fusion (16mm - 110mm), or IR Plus Fusion (20mm - 315mm).

Applications:

- Ultra-Pure Water (UPW) Return
- Purified Water (PW)
- Chemical distribution

Fields of Application:

- Pharmaceutical Grade DI Water
- Chemical applications within the Chemical Processing Industry (CPI)
- Acid Distribution
- UPW and HUPW (Hot) Ultrapure Water return loops in microelectronics
- Life Science applications for sanitization with ozone, steam, or hot water

Features:

- Virgin Kynar® 700 Series Resin
- Surface finish Ra < μm
- Ozone resistant
- 100% traceability to the raw material
- Durable packaging to ensure product integrity

Technical Data:

- Size Range: d20 - d315 mm (½" - 12")
- Pressure Rating: d20 - d110 mm: PN16 (232 PSI); d160 - d315 mm: PN10 (150 PSI)
- Operating Temperature: -20°C - 140°C (-4°F - 284°F)
- Joining Technology: Socket Fusion: d20 - d110 mm; BCF Plus Fusion: d20 - d110 mm;
- IR Plus Fusion: d20 - d315 mm
- Standard Ratings: ASME BPE; FDA CFR 21 177.1520; USP 25 Class VI; FM4910; UL 723; ASTM E84
- Material: Polyvinylidene Fluoride (PVDF)

+GF+ SYGEF® Plus PVDF Piping System



SYGEF Plus is the most recognized brand in the high purity water market because of its industry leading purity characteristics, manufacturing excellence, vast product range, and proven performance with foremost semiconductor and life science corporations. Please contact customer service for a complete list of available fittings.

Applications:

- Ultra-pure Water (UPW)
- High purity acid distribution

Fields of Application:

- Semiconductor UPW/HUPW
- USP Pharmaceutical
- Water for injection (WFI)
- High purity acid distribution

Features:

- Virgin Kynar® 700 Series Resin
- Technologically advanced cleanroom manufacturing
- Surface finish < 225mm Ra < 0.2μm; >225mm Ra < 0.3 μm
- Ozone resistant
- Extensive industry validated QA/QC protocol
- 100% traceability to the raw material
- Durable packaging to ensure product integrity

Technical Data:

- Size Range: d20 - d450 mm (½" - 18")
- Pressure Rating: d20 - d225 mm: PN16 (232 PSI); d90 - d450 mm: PN10 (150 PSI)
- Operating Temperature: -20°C - 140°C (-4°F - 284°F)
- Joining Technology: BCF Plus Fusion; IR Plus Fusion; Butt Fusion
- Standard Ratings: ASME BPE; FDA CFR 21 177.1520; USP 25 Class VI; SEMI F57; FM4910
- Material: Polyvinylidene Fluoride (PVDF)