

# Progef<sup>®</sup> Piping Systems

## +GF+ Progef<sup>®</sup> Standard PP Piping System



### for a wide range of industrial applications

The highly resistant system offers numerous fields of application in industries. High stress fracture, pressure, abrasion, corrosion and temperature resistance are only some of the advantageous characteristic properties for the durable polypropylene system. Its fine, homogeneous material structure furthermore offers outstanding weldability and low heat distortion.

#### Applications:

- Low-grade DI water
- Process cooling water (PCW)
- Chemical distribution
- Vacuum
- High impact strength
- Excellent chemical resistance
- High stress crack resistance

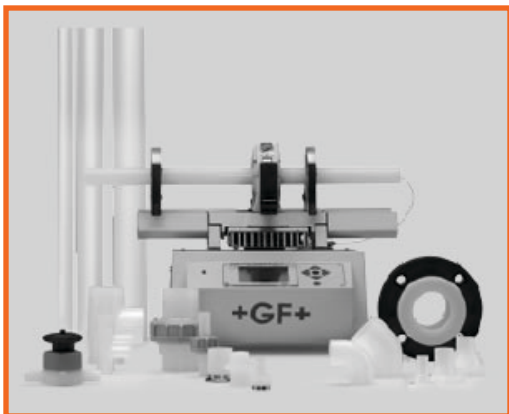
#### Fields of Application:

- RO/DI Water Conveyance
- Process Cooling Water
- Chemical Process Industry
- Food Processing

#### Technical Data:

- Size Range: d16 - d500 mm (3/8" - 20")
- Pressure Rating: d16 - d225 mm, SDR11: PN10 (150 PSI); d50 - d225 mm, SDR17.6: PN6 (90 PSI); d250 - d500 mm, SDR11: PN10 (150 PSI); d250 - d500mm, SDR17.6: PN6 (90 PSI)
- Operating Temperature: 0°C - 80°C (32°F - 176°F)
- Joining Technology: IR Plus Fusion: d20 - d225 mm; Butt Fusion: d20 - d500 mm; Socket Fusion: d16 - d110 mm
- Standard Ratings: FDA CFR 21 177.1520; USP 25 Class VI; ASME-BPE; NSF 61
- Materials: Beta Polypropylene Homopolymer (Beta PP-H)

## +GF+ Progef<sup>®</sup> Natural PP Piping System



### for laboratories and pharmaceutical applications

Wherever pure solutions are needed, especially for applications in chemical or life science industries, PROGEF Natural is predestined. Beneficial properties of the transparent, pigment free polypropylene such as excellent clean, smooth surface, high chemical and temperature resistance, and additionally the bead and crevice free joining technologies, ensure highest system quality.

#### Applications:

- Purified Water (PW)
- De-Ionized Water (DIW)
- Slurry distribution

#### Features:

- Translucent appearance
- No corrosion or rouging
- Outstanding surface quality
- Excellent chemical resistance
- High impact strength

#### Fields of Application:

- Pharmaceutical Grade water
- Purified water for Life Science applications
- Cost effective, pure distribution of Lab Grade DI water and critical biological fluids
- Specified water applications in microelectronics
- Chemical processes (i.e. Chemical Mechanical Polishing or Planarization)

#### Technical Data:

- Size Range: d20 - d90 mm (1/2" - 3")
- Pressure Rating: d20 - d63, SDR11: PN10 (150 PSI); d75 - d110, SDR17.6: PN6 (90 PSI)
- Operating Temperature: 0°C - 80°C (32°F - 176°F)
- Joining Technology: BCF Plus Fusion; IR Plus Fusion
- Standard Ratings: FDA CFR 21 177.1520; USP 25 Class VI; ASME-BPE
- Material: Polypropylene Random Copolymer (PP-R)