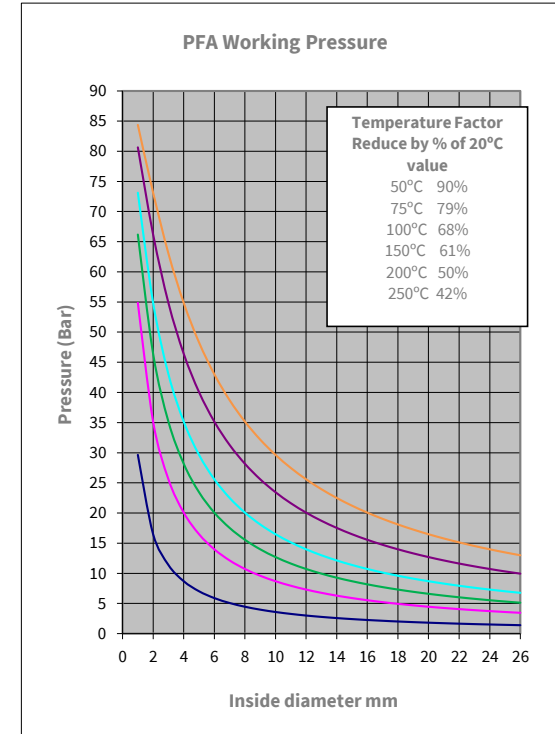
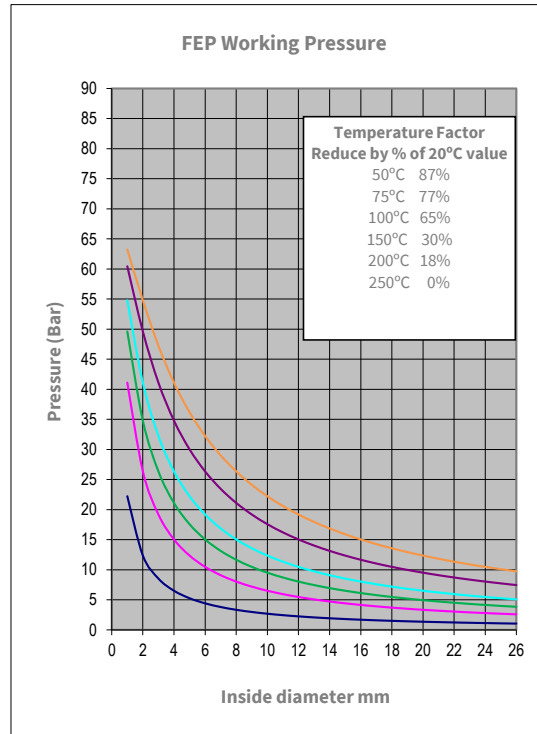
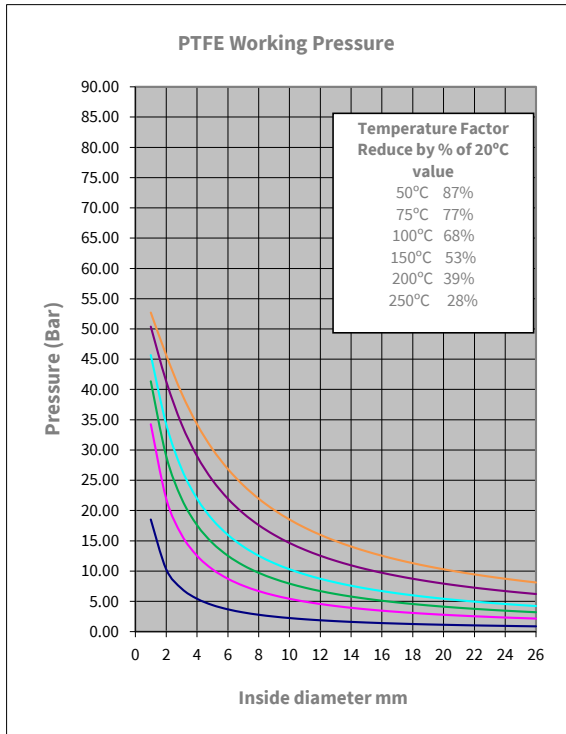


# Theoretical Working Pressures for PTFE, FEP & PFA Tubing

Wall 0.2mm Wall 0.5mm Wall 0.75mm Wall 1.0mm Wall 1.5mm Wall 2.0mm

Theoretical working pressures are 20% of the burst pressure rating.



These graphs are constructed from theoretical data, based on the tensile strength of the raw polymer for values at 20 Degrees C and are for guidance only. The pressure that a tube will take also depends on the grade of polymer used and application environment. It is the responsibility of our customers to satisfy the suitability of tubing for themselves, for their own application.

**To calculate theoretical working or theoretical burst pressure at elevated temperatures:**

**Follow this equation:** Theoretical **working** pressure at elevated temperatures = Rating in Bar (taken from graph) divided by 100 x temperature factor % required.

Theoretical **burst** pressure at elevated temperatures = Theoretical working pressure multiplied by 5

**Example:**

**PTFE 6mm x 8mm @ 150°C = 15 bar divided by 100 x 53 % = 7.95 bar theoretical working pressure at 150°C**

**Theoretical Burst Pressure = 7.95 bar multiplied by 5 = 39.75 bar at 150°C**