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Specialist Suppliers of Hygienic & BSP Valves, Fittings & Tube

Pressure Table For Fittings

Material Type	Maximum pressure at 80°C in Bar	Maximum pressure at 200°C in Bar
<i>RJT (BS) Union BS4825</i>	10	10
<i>IDF Union BS4825</i>	10	10
<i>SMS Union BS4825</i>	10	10
<i>DIN11851 Union up to 140°C DN10—DN40</i>	40	N/A
<i>DIN 11851 Union up to 140°C DN50—DN100</i>	25	N/A
<i>DIN11851 Union up to 140°C DN125—DN150</i>	16	N/A
<i>BS Bends BS4825</i>	10	10
<i>ISO Bends BS4825</i>	10	10
<i>DIN Bends DIN11852</i>	10	10
<i>BS Tees BS4825</i>	10	10
<i>DIN Tees DIN11852</i>	10	10
<i>BS Reducers BS4825</i>	10	10
<i>DIN Reducers DIN11852</i>	10	10

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Material Type	Maximum pressure at 80°C in Bar	Maximum pressure at 200°C in Bar
Clamp Union (Heavy Duty) BS4825 @ 20°C	<p>1" - 2.5" = 25 Bar</p> <p>3" & 4" = 20 Bar</p> <p>6" = 10 Bar</p>	N/A
Clamp Union (Heavy Duty) BS4825 @ 120°C	<p>1" - 2" = 20 Bar</p> <p>2.5" - 4" = 10 Bar</p> <p>6" = 5 Bar</p>	N/A
Clamp Union (High Pressure) @ 20°C	<p>1" / 1.5" = 40 Bar</p> <p>2" = 35 Bar</p> <p>2 1/2" = 30 Bar</p> <p>3" = 24 Bar</p> <p>4" = 20 Bar</p>	N/A
Clamp Union (High Pressure) @ 120°C	<p>1" / 1.5" = 20 Bar</p> <p>2" = 19 Bar</p> <p>2 1/2" = 15 Bar</p> <p>3" = 12 Bar</p> <p>4" = 10 Bar</p>	N/A
Dairy Tube to EN 10357	<p>Use the formula:</p> $P = 2 \times S \times T \div D$	<p>P = PSI</p> <p>S = Allowable Stress PSI</p> <p>T = Wall Thickness in mm</p> <p>D = Outside Diameter in mm</p> <p>Allowable stress for 304 & 316 is 18,700 psi</p>

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