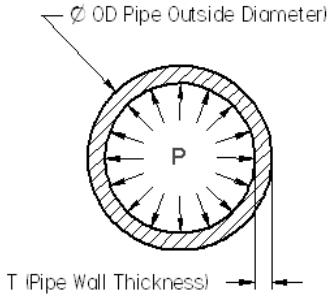
Berkeley Stainless Fittings Ltd

PRESSURE FORMULA / BARLOWS FORMULA

To calculate the maximum working pressure for a given tube size & quality:

$$P = 2 \times S \times T \div D$$



WHERE

P = Pressure PSI
S = Allowable Stress PSI
T = Wall Thickness in mm
D = Outside Diameter in mm

Allowable Stress for 304 & 316 = 18,700 PSI

EasyCalculation online calculator

Weight Calculation For Austenitic Stainless Steel Tube:

Weight In Kg/Metre = **(d-t) x t x 0.02504**

WHERE

D = O.D. in mm,
t= Wall Thickness in mm

N.B. These calculations are for guidance only

Berkeley Stainless Fittings Limited
13 Brookgate, South Liberty Lane,
Ashton, Bristol, BS3 2UN

VAT Reg. GB 609306745
Company Registration: 3549436

www.berkelystainless.co.uk
sales@berkeleystainless.co.uk
0117 9665544