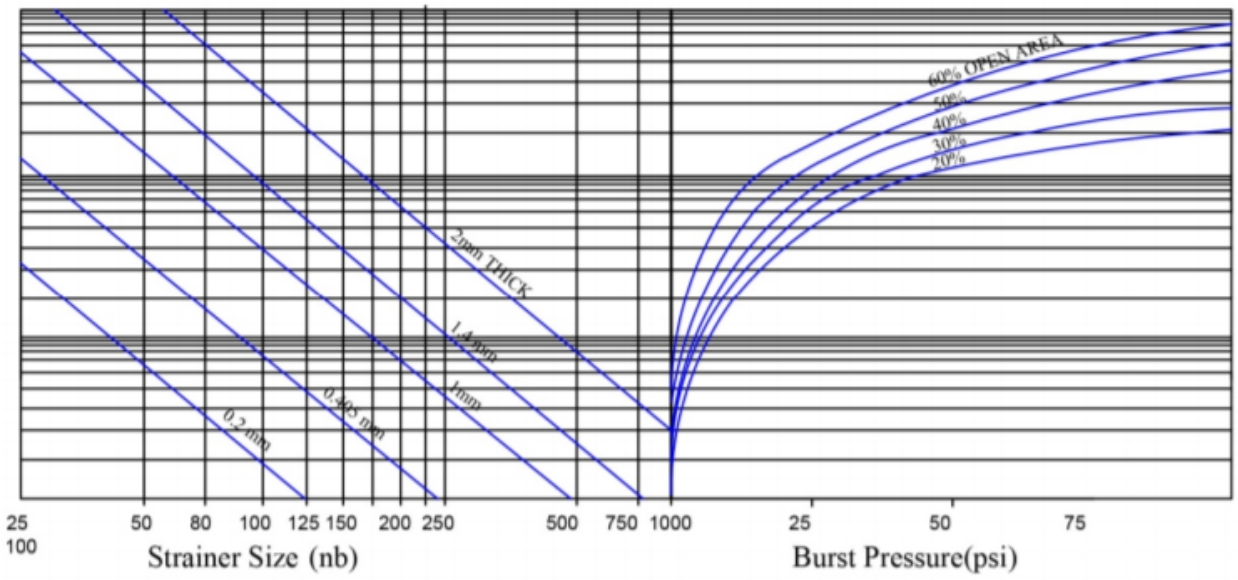
FLOMETRIQ FILTRATION AND INSTRUMENTATION (P) LTD

Engineering Flow...

BURST PRESSURE

Calculation For Basket, Tee and Duplex Strainer

To find the burst pressure strainer size is located and drawn to the respective thickness as straight line and a horizontal line is ploted to the open area and the respective open area is identified for the vertical line towards bottom is Burst Pressure.



Burst Pressure	(Pb) = 3.333 σ x i
Where,	σ - Allowable Stree of perforated sheet i = t/d t - Thickness of Perforated sheet d - Diameter of hole

Example: Basket Strainer of 400 NB size with 4.8 mm hole dia 3 mm thick having 50%
opening area of screen perforation. Finding the burst pressure.

Having the values given the burst pressure for Basket Strainer is calculated

Pb=21 psi

3/88 Mount Ponamallee Road Ramapuram Chennai 600089, India

sales@flometriq.com

+91 8939993028
+919884804244

www.flometriq.com