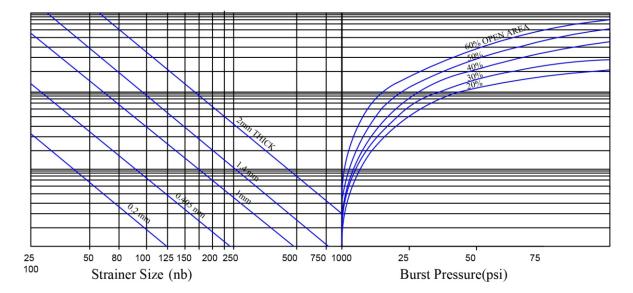


## Burst Pressure Calculation For Basket, Tee and Duplex Strainer

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	$(Pb) = 3.333 \sigma x i^2$
Where,	$\sigma$ - 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

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