

Fluid Force
Fluid - any substance the conforms to its container.

$$
\begin{aligned}
& \text { Force }=P A \cdot h \\
& \text { Drain } 2^{\prime} \times 3^{\prime} \frac{1 b}{f t^{3}} \\
&=62.4 \cdot(2.3) \cdot 13.5 \\
&=5054.41 \mathrm{lb} \\
& \text { Prossurce }=\frac{\text { Force }}{\text { Area }}=\frac{505 t .4 \mathrm{lb}}{6 \mathrm{ft}^{2}}=842.4 \frac{\mathrm{lb}}{\mathrm{ft}} \\
& \text { psi }=\text { pounds par in } \\
& \frac{\mathrm{N}}{\mathrm{~m}^{2}}
\end{aligned}
$$



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