



VACUUM-ENGINEERING-GRAPH-II FOR LEAKS

$Q = PS$

MOLECULAR FLOW $Ql = 97.75 a^3 P$

LOG l - LENGTH IN CM.

VISCOUS FLOW $Ql = 1.42 \times 10^3 a^4 P^2$

LOG S - PUMPING SPEED IN $\frac{\text{LITERS}}{\text{SEC.}}$

LOG a - RADIUS IN CM

LOG Q - THRUPT IN $\text{MM.} \times \frac{\text{LITER}}{\text{SEC.}}$

LOG P - PRESSURE IN MM. HG.

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