

Arizona Vortex Tube Mfg. CO
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Air consumption based on different incoming air pressures:

$$\begin{array}{ccc} \text{Vortex Tube rating} & & X \\ \hline & = & \hline 80 \text{ PSI} & & \text{Different incoming air pressures} \end{array}$$

Example: I want to know the air consumption of a Vortex Tube model # 10015 ...15 cfm at an incoming air pressure of 40 psi.

$$\frac{15}{80 \text{ psi}} = \frac{X}{40 \text{ psi}}$$

$$\begin{aligned} 15 * 40 &= 600 \\ 600 / 80 &= 7.5 \text{ cfm} \end{aligned}$$

So at an incoming air pressure of 40 psi the air consumption would be 7.5 cfm.