## General "Rule of Thumb" Compressor Tubing Recommendations

EasyPro


Rotary Vane Compressors - 10 PSI max

| 1 cfm | $3 / 8^{\prime \prime}$ | 1.1 | $3 / 8^{\prime \prime}$ | 2.2 | $3 / 8^{\prime \prime}$ | 3.3 | $1 / 2^{\prime \prime}$ | 1.6 | $1 / 2^{\prime \prime}$ | 2.0 | $1 / 2^{\prime \prime}$ | 2.4 | $5 / 8^{\prime \prime}$ | .72 | $5 / 8^{\prime \prime}$ | .9 | $5 / 8^{\prime \prime}$ | 1.1 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2 cfm | $3 / 8^{\prime \prime}$ | 2.1 | $1 / 2^{\prime \prime}$ | 1.6 | $1 / 2^{\prime \prime}$ | 2.4 | $1 / 2^{\prime \prime}$ | 3.2 | $5 / 8^{\prime \prime}$ | .75 | $5 / 8^{\prime \prime}$ | .9 | $5 / 8^{\prime \prime}$ | 1.2 | $5 / 8^{\prime \prime}$ | 1.5 | $5 / 8^{\prime \prime}$ | 1.8 |
| 3 cfm | $1 / 2^{\prime \prime}$ | 1.25 | $1 / 2^{\prime \prime}$ | 2.5 | $5 / 8^{\prime \prime}$ | .9 | $5 / 8^{\prime \prime}$ | 1.2 | $5 / 8^{\prime \prime}$ | 1.5 | $5 / 8^{\prime \prime}$ | 1.8 | $5 / 8^{\prime \prime}$ | 2.4 | $3 / 4^{\prime \prime}$ | 1.0 | $3 / 4^{\prime \prime}$ | 1.2 |
| 4 cfm | $1 / 2^{\prime \prime}$ | 1.8 | $5 / 8^{\prime \prime}$ | 1.0 | $5 / 8^{\prime \prime}$ | 1.5 | $5 / 8^{\prime \prime}$ | 2.0 | $3 / 4^{\prime \prime}$ | 1.0 | $3 / 4^{\prime \prime}$ | 1.2 | $3 / 4^{\prime \prime}$ | 1.6 | $3 / 4^{\prime \prime}$ | 2.0 | $3 / 4^{\prime \prime}$ | 2.4 |

Important - Do not exceed maximum compressor PSI rating! To get total system PSI:

1. Divide the depth in feet of the deepest air diffuser by $2.31=$ depth PSI
2. Add depth PSI to longest tubing run PSI = TOTAL PSI

## Example:

16 ' deep pond with 600 maximum tubing run with 2 cfm air flow
$16^{\prime} \div 2.31=6.9 \mathrm{PSI}$
$400^{\prime}$ using $3 / 8 "$ tubing $=8.4 \mathrm{PSI}$
Total PSI = 15.3 - Okay if using rocking piston, too high if using rotary vane (larger tubing size would be needed)

