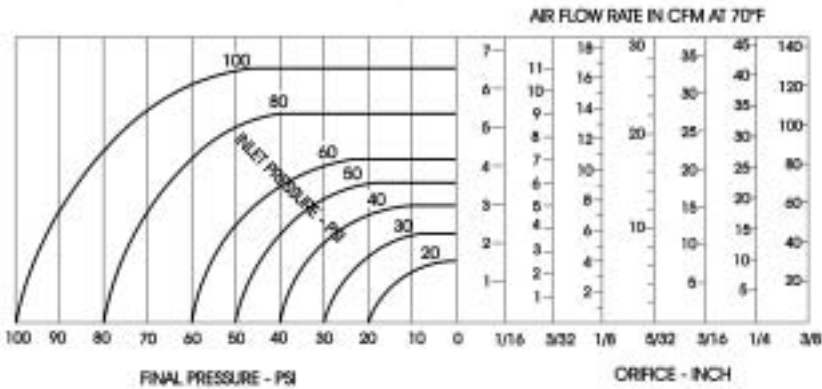


SERIES 20 & 30 AIR FLOW CHARTS



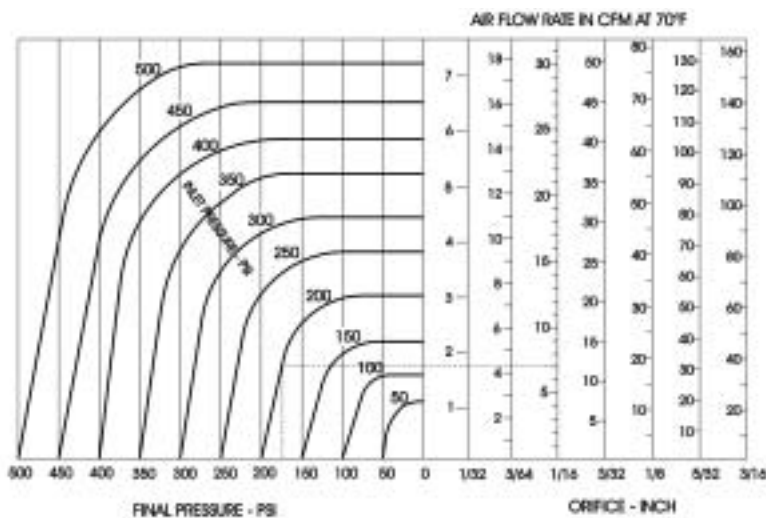
AIR FLOW EXAMPLE

This chart directly correlates the anticipated air flow rate to initial pressure, final pressure and pressure drop for a given orifice.

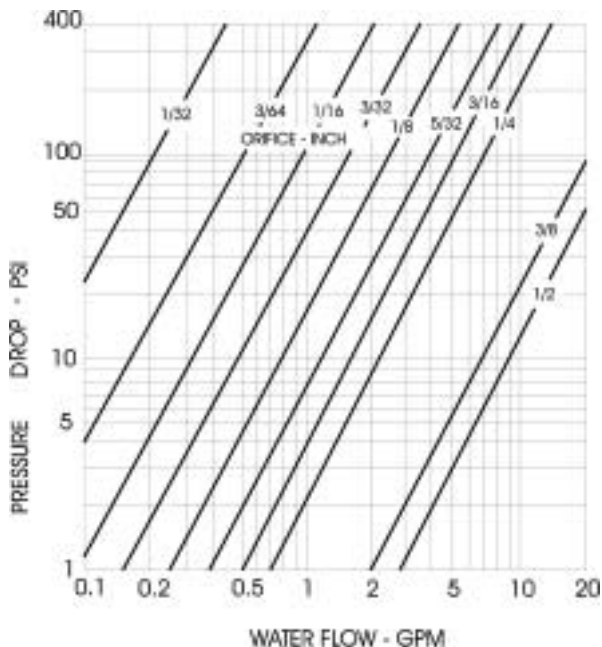
EXAMPLE: Find the two-way normally closed valve than can deliver 5 CFM of air at 70°F and 200 PSIG inlet pressure if the pressure drop across the valve is 25 PSI. On the valve pressure rating chart you find that a 1/16 orifice is recommended for 200 PSI pressure drop. Draw a vertical line (dotted line) from 175 PSI "final

pressure" line up to the curve of initial pressure 200 PSI. Draw a horizontal line from this point to the 1/16" orifice scale. Read the flow rate –7.3 CFM.

The chart also can be used to establish required pressure drop if orifice size and required flow is known. Merely reverse the above procedure. When low pressure is involved, it is easier to obtain accurate flow rate using the enlarged flow chart.



SERIES 20 & 30 WATER FLOW CHARTS

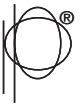


WATER FLOW EXAMPLE

This chart directly gives the anticipated water flow if the orifice size and pressure drop are known.

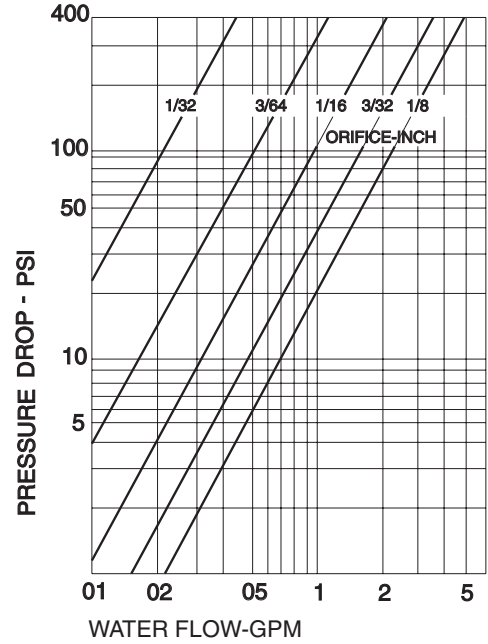
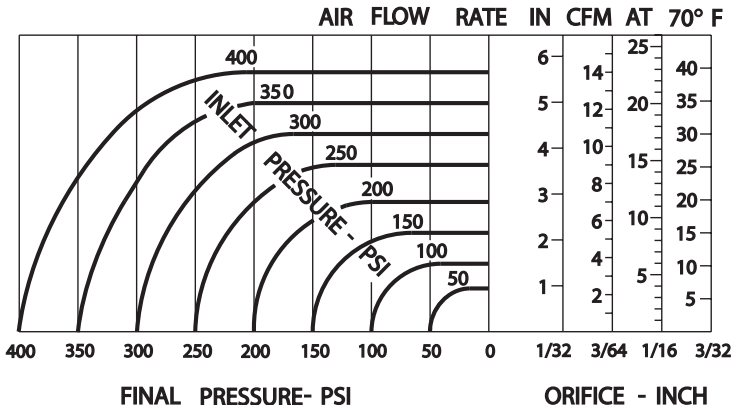
EXAMPLE: Establish the flow through a 1/8" orifice, two-way, normally closed valve if the inlet pressure is 80 PSIG, and the outlet pressure in 70 PSIG.

The pressure drop across the valve is 80-70 or 10 PSIG. At the intersection of the 10 PSIG and the 1/8" orifice lines (dotted lines) drop down to the flow scale and read 0.8 GPM.

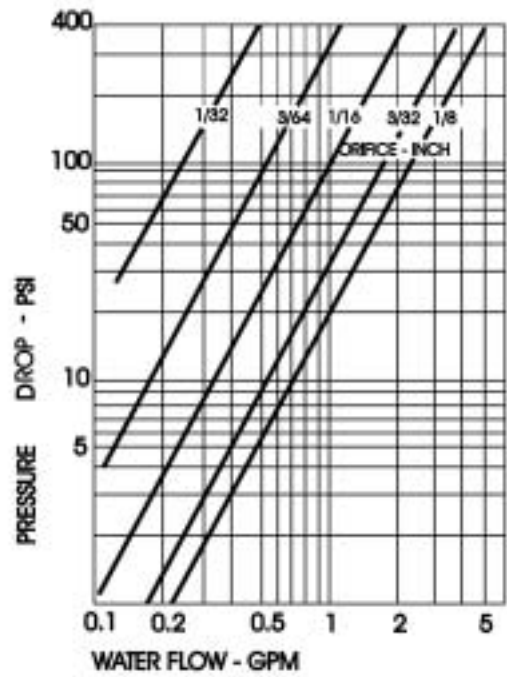
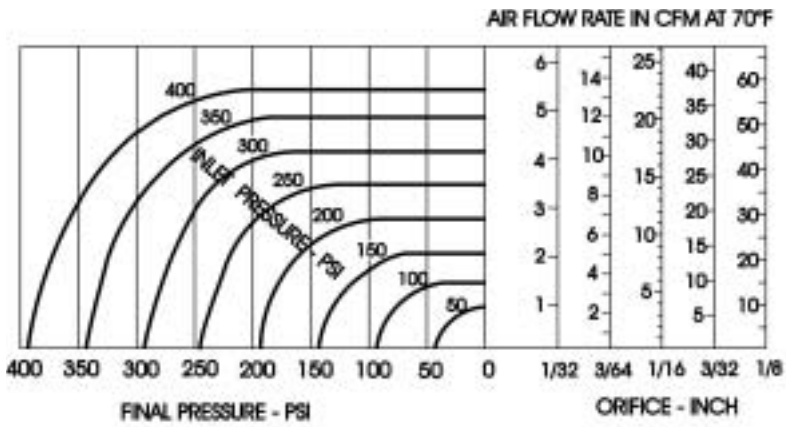


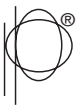
SOLENOID VALVES . . .

SERIES 15 FLOW CHARTS

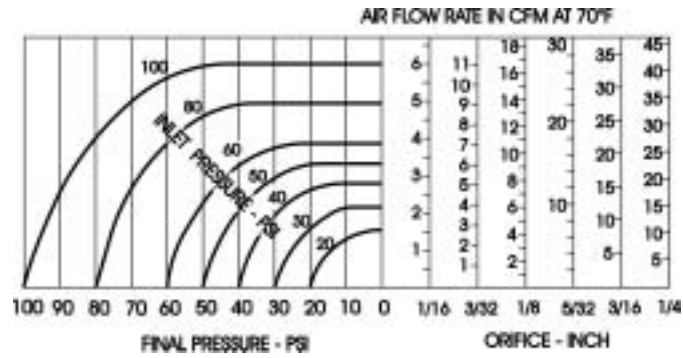
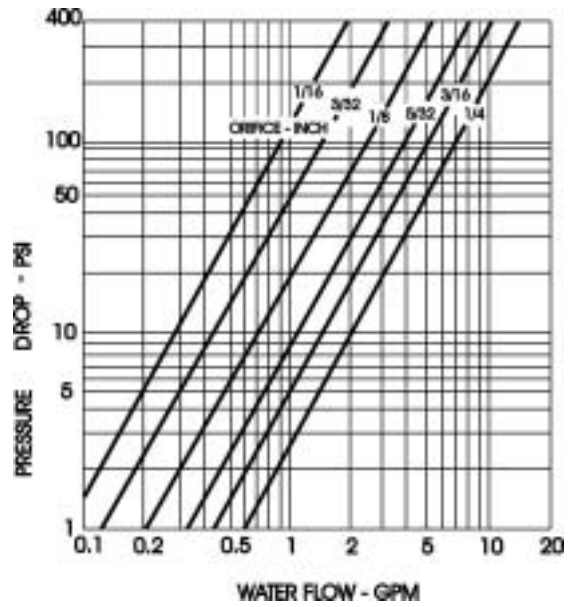
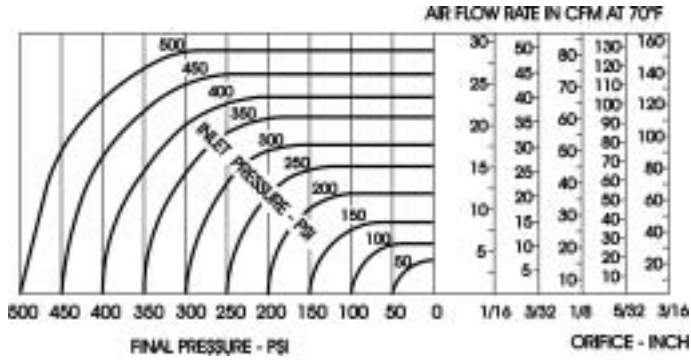


SERIES 50 FLOW CHARTS

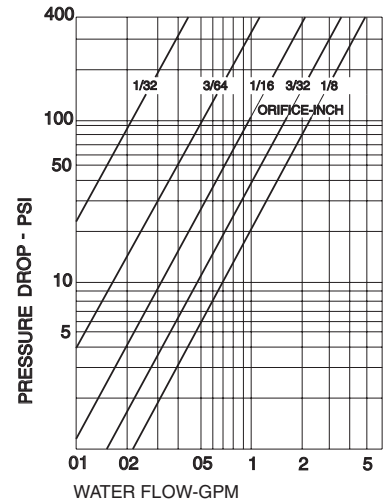
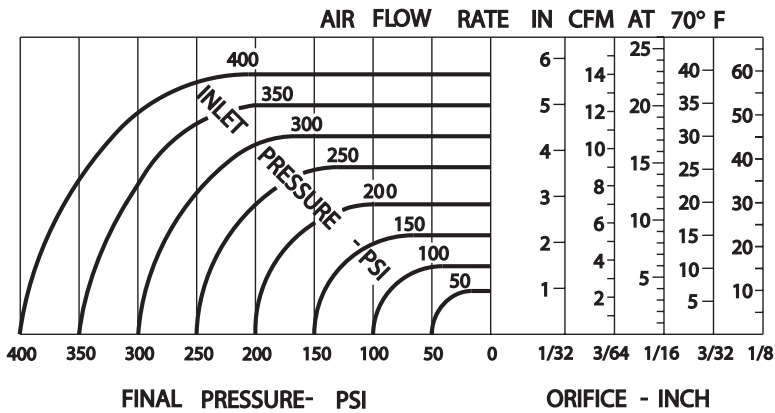




SERIES 70 FLOW CHARTS



SERIES 40 FLOW CHARTS



SERIES 58 FLOW CHARTS

AIR FLOW RATE IN CFM AT 70° F

