

REGULATOR FLOW CHARTS

The regulator flow charts below give the maximum regulator flow rates for the Aqua Environment Inc. 415 and 873 series regulators. These flows result in a 10 % pressure drop below the zero or low flow setting. If more accurate regulation of outlet pressure is required (2 to 3 % pressure drop) use one half the maximum flow values given below.

Examples of how to use the charts are given by the dashed lines on the 415 series flow chart.

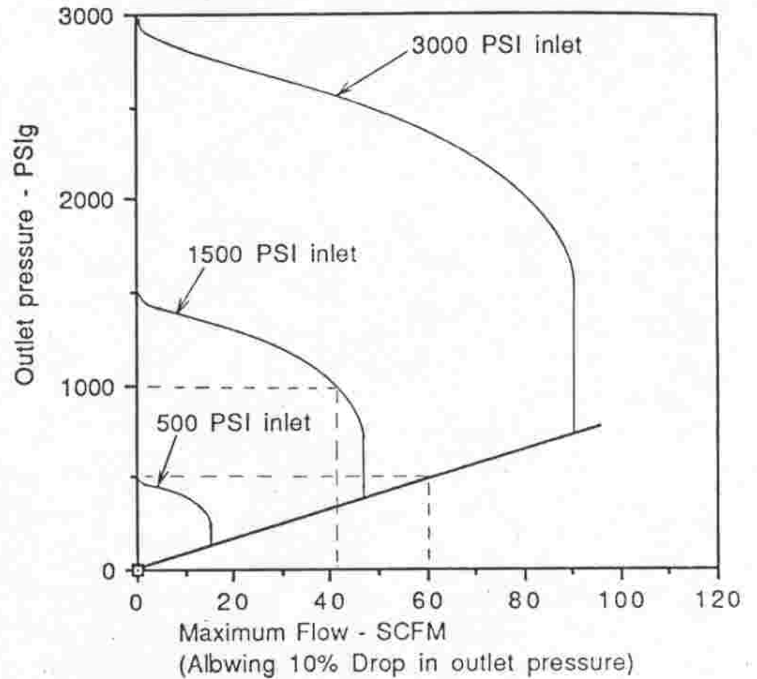
Example 1 - 1000 PSI outlet pressure
1500 PSI inlet pressure
from the chart maximum flow is 41 SCFM
Here flow is limited by the inlet pressure.

Example 2 - 500 PSI outlet pressure
2000 PSI or more inlet pressure
from the chart maximum flow is 60 SCFM
Here there is ample inlet pressure and flow is limited by the outlet pressure.

The charts are for air or any nitrogen/oxygen mix at or near room temperature. For helium multiply the flow rate by 2.7.

AQUA ENVIRONMENT INC.

MODEL 415 SERIES FLOW CHART



MODEL 873 SERIES FLOW CHART

