



The following must be known:

- ❑ Pipe size
- ❑ Static inlet pressure
- ❑ Operating inlet pressure
- ❑ Desired outlet pressure
- ❑ Maximum capacity in CFH or BTU
- ❑ Is an OPD required?
 - * When static inlet pressure is greater than 2 psi
- ❑ Venting requirements



Selecting a 1/2" NPT Line Pressure Regulator:

KNOWN:

- Outlet pressure: 8" w.c.
- Static pressure: 2 psi
- Minimum operating inlet pressure: 1 psi
- Combined BTU rating of all appliances served by the regulator: 145,000 BTU/hr
- Largest single appliance's BTU rating served by the regulator: 90,000 BTU/hr

SOLUTION:

- Capacity: Total load of all appliances combined
 - 325-3L (3/8", 1/2").....250,000 BTU/hr
 - 325-5L (1/2").....425,000 BTU/hr
- Maximum Individual Load: Largest single appliance served by the regulator
 - 325-3L.....140,000 BTU/hr
 - 325-5L.....300,000 BTU/hr
- The 1/2" NPT 325-3L total load and individual load specifications are not exceeded and it is the acceptable line regulator for this application.