

## Maximum Operating Pressure For CodeLine™ 8-inch Vessel Permeate Ports Manufactured from PVC

Occasionally CodeLine is asked if our 8" PVC permeate ports can be operated in excess of their 125 PSI rating. This question is typically asked when the permeate from a first pass feeds a second pass, creating the need for a permeate port capable of handling high back-pressure.

While using an alternate material such as stainless steel is the preferred solution to handle these high back-pressure situations, many times the cost is prohibitive. In these cases it is possible to raise the pressure rating of the PVC permeate port when the operating temperature of the vessel can be adequately limited.

In an effort to help guide our customers toward the correct material for their application, we have determined maximum operating pressure for these ports at several different temperatures. Please review the following information carefully before selecting to use the standard PVC material for high back-pressure service. For further help on selecting a material for your application, please call our customer service department.

***NOTE: This increase is only possible due to the CodeLine™ specific design and should not be attempted on any other component or on another manufacturer's product.***

| Optional ¾" NPT Female |                  | Standard 1" NPT Female |                  |
|------------------------|------------------|------------------------|------------------|
| Temperature            | Maximum Pressure | Temperature            | Maximum Pressure |
| 75°F (24°C)            | 340 PSI          | 75°F (24°C)            | 320 PSI          |
| 80°F (27°C)            | 306 PSI          | 80°F (27°C)            | 288 PSI          |
| 90°F (32°C)            | 255 PSI          | 90°F (32°C)            | 240 PSI          |
| 100°F (38°C)           | 190 PSI          | 100°F (38°C)           | 198 PSI          |
| 110°F (43°C)           | 170 PSI          | 110°F (43°C)           | 160 PSI          |
| 120°F (49°C)           | 136 PSI          | 120°F (49°C)           | 125 PSI          |

While CodeLine will assist the purchaser in determining the suitability of these components for their specific application, the final determination shall be the responsibility of the purchaser.

