

**1098 SIPHONS WORKING PRESSURES AND TEMPERATURES**

Siphon should be used only within their pressure and temperature limits. For brass or iron siphons, the pressure and the temperature ratings have maximum limitations. For example, a brass pipe siphon is listed for 250 psi maximum working pressure and a maximum temperature of 400°F. This brass siphon cannot be used for temperatures higher than 400°F even if the working pressure is less than 250 psi.

Alloy and stainless steel siphons, have adjusted temperature and pressure ratings, and can be used to the maximum working pressure corresponding to the operating temperature as shown in the following rating table below.

PIP #: ACC-PI-1

Applicable to:

1098 Siphons

| °F      | Maximum Working Pressure (psi)      |                                     |                                      |                                      |                                      |
|---------|-------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
|         | <sup>1</sup> / <sub>4</sub> -1098-S | <sup>1</sup> / <sub>2</sub> -1098-S | <sup>1</sup> / <sub>2</sub> -1098-SD | <sup>1</sup> / <sub>2</sub> -1098-ND | <sup>1</sup> / <sub>2</sub> -1098-CD |
| -20-100 | -                                   | -                                   | -                                    | 5840                                 | -                                    |
| 200     | -                                   | -                                   | -                                    | 5840                                 | -                                    |
| 300     | -                                   | -                                   | -                                    | 5710                                 | -                                    |
| 400     | -                                   | -                                   | -                                    | 5620                                 | -                                    |
| -20-400 | 3360                                | 3000                                | 3740                                 | -                                    | 9550                                 |
| 500     | 3360                                | 3000                                | 3740                                 | 5600                                 | 9550                                 |
| 600     | 3360                                | 3000                                | 3740                                 | 5300                                 | 9550                                 |
| 650     | 3360                                | 3000                                | 3740                                 | 5180                                 | 9550                                 |
| 700     | 3250                                | 2900                                | 3620                                 | 5080                                 | 9550                                 |
| 750     | 2258                                | 2225                                | 2760                                 | 4128                                 | 8205                                 |
| 800     | 1899                                | 1872                                | 2322                                 | 4076                                 | 8205                                 |
| 850     | 1498                                | 1477                                | 1832                                 | 4051                                 | 7658                                 |
| 900     | 1055                                | 1040                                | 1290                                 | 3999                                 | 7166                                 |
| 950     | 648                                 | 636                                 | 795                                  | 3973                                 | 6369                                 |
| 1000    | 338                                 | 333                                 | 420                                  | 3947                                 | 5109                                 |
| 1050    | -                                   | -                                   | -                                    | 3741                                 | 3799                                 |
| 1100    | -                                   | -                                   | -                                    | 3286                                 | 2751                                 |
| 1150    | -                                   | -                                   | -                                    | 2744                                 | 1965                                 |
| 1200    | -                                   | -                                   | -                                    | 2072                                 | 1048                                 |
| 1250    | -                                   | -                                   | -                                    | 1512                                 | -                                    |
| 1300    | -                                   | -                                   | -                                    | 1148                                 | -                                    |
| 1350    | -                                   | -                                   | -                                    | 840                                  | -                                    |
| 1400    | -                                   | -                                   | -                                    | 616                                  | -                                    |
| 1450    | -                                   | -                                   | -                                    | 476                                  | -                                    |
| 1500    | -                                   | -                                   | -                                    | 336                                  | -                                    |

Data from ASME & Pressure Vessel Code 1974 (w/75 Addenda Edition) Power Boilers Section 1, Page 11