

## Maximum Working Pressure (PSI) 1/2" Pressure Gauge Syphons

| Temp<br>°F | Carbon<br>Steel<br>Sch80<br>(XH) SA-<br>53 CW | Carbon<br>Steel<br>Sch40<br>(STD)<br>SA-<br>106B | Carbon<br>Steel<br>Sch80<br>(XH)<br>SA-<br>106B | Carbon<br>Steel<br>Sch160<br>SA-<br>106B<br>SMLS | Carbon<br>Steel<br>XXH SA-<br>106B<br>SMLS | Chrome<br>Moly<br>Steel<br>Sch80<br>(XH)<br>SA-335 | Chrome<br>Moly<br>Steel<br>Sch160<br>SA-335<br>PA11 | Chrome<br>Moly<br>Steel<br>Sch80<br>(XH)<br>SA-335 | Chrome<br>Moly<br>Steel<br>Sch 160<br>SA-335<br>P22 | Chrome<br>Moly<br>Steel<br>XXH<br>SA-335<br>P22 | Stainle<br>ss Steel<br>Sch40<br>(STD)<br>SA-312<br>TP304 | Stainle<br>ss Steel<br>Sch80<br>(XH)<br>SA-312<br>TP304 | Stainle<br>ss Steel<br>Sch160<br>SA-312<br>TP304 | Stainle<br>ss Steel<br>Sch40<br>(STD)<br>SA-312<br>TP316 | Stainle<br>ss Steel<br>Sch80<br>(XH)<br>SA-312<br>TP316 | Stainle<br>ss Steel<br>Sch160<br>SA-312<br>TP316 |
|------------|-----------------------------------------------|--------------------------------------------------|-------------------------------------------------|--------------------------------------------------|--------------------------------------------|----------------------------------------------------|-----------------------------------------------------|----------------------------------------------------|-----------------------------------------------------|-------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|
| 20 to 100  | 1097                                          | 1117                                             | 2419                                            | 3926                                             | 8405                                       | 2419                                               | 3926                                                | 2419                                               | 3926                                                | 8405                                            | 1192                                                     | 2580                                                    | 4187                                             | 1192                                                     | 2580                                                    | 4187                                             |
| 200        | 1097                                          | 1117                                             | 2419                                            | 3926                                             | 8405                                       | 2419                                               | 3926                                                | 2419                                               | 3926                                                | 8405                                            | 1058                                                     | 2290                                                    | 3716                                             | 1117                                                     | 2419                                                    | 3926                                             |
| 300        | 1097                                          | 1117                                             | 2419                                            | 3926                                             | 8405                                       | 2419                                               | 3926                                                | 2419                                               | 3926                                                | 8405                                            | 953                                                      | 2064                                                    | 3350                                             | 991                                                      | 2145                                                    | 3481                                             |
| 400        | 1097                                          | 1117                                             | 2419                                            | 3926                                             | 8405                                       | 2419                                               | 3926                                                | 2419                                               | 3926                                                | 8405                                            | 871                                                      | 1887                                                    | 3062                                             | 909                                                      | 1967                                                    | 3193                                             |
| 500        | 1097                                          | 1117                                             | 2419                                            | 3926                                             | 8405                                       | 2419                                               | 3926                                                | 2419                                               | 3926                                                | 8405                                            | 819                                                      | 1774                                                    | 2879                                             | 842                                                      | 1822                                                    | 2957                                             |
| 600        | 1097                                          | 1117                                             | 2419                                            | 3926                                             | 8405                                       | 2419                                               | 3926                                                | 2419                                               | 3926                                                | 8405                                            | 767                                                      | 1661                                                    | 2696                                             | 797                                                      | 1725                                                    | 2800                                             |
| 650        | 1097                                          | 1117                                             | 2419                                            | 3926                                             | 8405                                       | 2419                                               | 3926                                                | 2419                                               | 3926                                                | 8405                                            | 760                                                      | 1645                                                    | 2669                                             | 782                                                      | 1693                                                    | 2748                                             |
| 700        | 1048                                          | 1072                                             | 2322                                            | 3769                                             | 8069                                       | 2419                                               | 3926                                                | 2419                                               | 3926                                                | 8405                                            | 745                                                      | 1613                                                    | 2617                                             | 767                                                      | 1661                                                    | 2696                                             |
| 750        | 935                                           | 968                                              | 2096                                            | 3402                                             | 7284                                       | 2387                                               | 3873                                                | 2419                                               | 3926                                                | 8405                                            | 730                                                      | 1580                                                    | 2565                                             | 752                                                      | 1629                                                    | 2643                                             |
| 800        | -                                             | 804                                              | 1742                                            | 2826                                             | 6052                                       | 2322                                               | 3769                                                | 2419                                               | 3926                                                | 8405                                            | 708                                                      | 1532                                                    | 2486                                             | 737                                                      | 1596                                                    | 2591                                             |
| 850        | -                                             | 581                                              | 1258                                            | 2041                                             | 4371                                       | 2258                                               | 3664                                                | 2322                                               | 3769                                                | 8069                                            | 700                                                      | 1516                                                    | 2460                                             | 737                                                      | 1596                                                    | 2591                                             |
| 900        | -                                             | 372                                              | 806                                             | 1309                                             | 2802                                       | 2193                                               | 3559                                                | 2193                                               | 3559                                                | 7621                                            | 693                                                      | 1500                                                    | 2434                                             | 730                                                      | 1580                                                    | 2565                                             |
| 950        | -                                             | 225                                              | 492                                             | 806                                              | 1781                                       | 1524                                               | 2499                                                | 1770                                               | 2902                                                | 6411                                            | 670                                                      | 1451                                                    | 2355                                             | 722                                                      | 1564                                                    | 2539                                             |
| 1000       | -                                             | 114                                              | 254                                             | 426                                              | 1010                                       | 1068                                               | 1789                                                | 1356                                               | 2272                                                | 5388                                            | 655                                                      | 1419                                                    | 2303                                             | 715                                                      | 1548                                                    | 2512                                             |
| 1050       | -                                             | -                                                | -                                               | -                                                | -                                          | 712                                                | 1193                                                | 966                                                | 1619                                                | 3839                                            | 640                                                      | 1387                                                    | 2251                                             | 708                                                      | 1532                                                    | 2486                                             |
| 1100       | -                                             | -                                                | -                                               | -                                                | -                                          | 474                                                | 795                                                 | 644                                                | 1079                                                | 2560                                            | 623                                                      | 1360                                                    | 2231                                             | 705                                                      | 1541                                                    | 2526                                             |
| 1150       | -                                             | -                                                | -                                               | -                                                | -                                          | 322                                                | 540                                                 | 407                                                | 682                                                 | 1617                                            | 503                                                      | 1118                                                    | 1874                                             | 632                                                      | 1406                                                    | 2357                                             |
| 1200       | -                                             | -                                                | -                                               | -                                                | -                                          | 203                                                | 341                                                 | 237                                                | 398                                                 | 943                                             | 396                                                      | 881                                                     | 1477                                             | 480                                                      | 1068                                                    | 1789                                             |
| 1250       | -                                             | -                                                | -                                               | -                                                | -                                          | -                                                  | -                                                   | -                                                  | -                                                   | -                                               | 305                                                      | 678                                                     | 1136                                             | 358                                                      | 796                                                     | 1335                                             |
| 1300       | -                                             | -                                                | -                                               | -                                                | -                                          | -                                                  | -                                                   | -                                                  | -                                                   | -                                               | 244                                                      | 542                                                     | 909                                              | 267                                                      | 593                                                     | 994                                              |
| 1350       | -                                             | -                                                | -                                               | -                                                | -                                          | -                                                  | -                                                   | -                                                  | -                                                   | -                                               | 190                                                      | 424                                                     | 710                                              | 198                                                      | 441                                                     | 738                                              |
| 1400       | -                                             | -                                                | -                                               | -                                                | -                                          | -                                                  | -                                                   | -                                                  | -                                                   | -                                               | 152                                                      | 339                                                     | 568                                              | 145                                                      | 322                                                     | 540                                              |
| 1450       | -                                             | -                                                | -                                               | -                                                | -                                          | -                                                  | -                                                   | -                                                  | -                                                   | -                                               | 122                                                      | 271                                                     | 454                                              | 114                                                      | 254                                                     | 426                                              |
| 1500       | -                                             | -                                                | -                                               | -                                                | -                                          | -                                                  | -                                                   | -                                                  | -                                                   | -                                               | 91                                                       | 203                                                     | 341                                              | 84                                                       | 186                                                     | 312                                              |

**Notes:**

- 1 These pressure temperature ratings are established on the basis of calculation in accordance with the ASME Boiler and Pressure Vessel Code, 1996 Edition, 1995 Addenda, Section 1, paragraph PG 27. It is the end user's responsibility to ensure that all components used in pressure retaining service are adequately designed for the anticipated conditions.
- 2 No allowance has been provided for corrosion.



**DANSWAY, INC.**  
*"A Woman Owned Enterprise"*

**1 Reed Road PO BOX 339      Elysburg, PA 17824**  
**Toll Free: 800-523-3294    Phone: 570-672-1550**