

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

	Maximum Working Pressure (psi)				
°F	1/4-1098-S	1/2-1098-S	1/2-1098-SD	1/2-1098-ND	1/2-1098-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