

BERIC DAVIS COMPANIES INTERNATIONAL, LTD.

Connecting Business Worldwide!

WORKING PRESSURE BY CLASS	Temperature F°	A105 A216 WCB (a)	A352 LCB (d)	A216 WCC (a) A352 LC2 (d) A352 LC3 (d) A352 LCC (e)	A217 WC1 (b) A352 LC1 (d)	A217 WC4 (h) A217 WC5 (i)	A217 WC6 (j)	A217 WC9 (j)	A217 C5	A217 C12	A351 CF3 (f) A351 CF8	A351 CF3M (g) A351 CF8M	A351 CF8C	A351 CN7M (l)	
		Working Pressure in PSIG													
C L A S S 1 5 0	-20	285	265	290	265	290	290	290	290	290	275	275	275	230	
	100	285	265	290	265	290	290	290	290	290	275	275	275	230	
	200	260	250	260	260	260	260	260	260	260	235	240	245	215	
	300	230	230	230	230	230	230	230	230	230	205	215	225	200	
	400	200	200	200	200	200	200	200	200	200	180	195	200	185	
	500	170	170	170	170	170	170	170	170	170	170	170	170	170	
	600	140	140	140	140	140	140	140	140	140	140	140	140	140	
	650	125	125	125	125	125	125	125	125	125	125	125	125	125	
	700	110	110	110	110	110	110	110	110	110	110	110	110	110	
	750	95	95	95	95	95	95	95	95	95	95	95	95	95	
	800	80	80	80	80	80	80	80	80	80	80	80	80	80	
	850	65	65	65	65	65	65	65	65	65	65	65	65	-	
	900	50	50	50	50	50	50	50	50	50	50	50	50	-	
	950	35	35	35	35	35	35	35	35	35	35	35	35	-	
	1000	20	20	20	20	20	20	20	20	20	20	20	20	-	
	1050	-	-	-	-	-	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	-
	1100	-	-	-	-	-	-	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	-
	1150	-	-	-	-	-	-	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	-
	1200	-	-	-	-	-	-	15 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	-
	1250	-	-	-	-	-	-	-	-	-	-	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	-
1300	-	-	-	-	-	-	-	-	-	-	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	-	
1350	-	-	-	-	-	-	-	-	-	-	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	-	
1400	-	-	-	-	-	-	-	-	-	-	20 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	-	
1450	-	-	-	-	-	-	-	-	-	-	15 ⁽¹⁾	20 ⁽¹⁾	20 ⁽¹⁾	-	
1500	-	-	-	-	-	-	-	-	-	-	10 ⁽¹⁾	15 ⁽¹⁾	15 ⁽¹⁾	-	

- NOTES: 1. For weld end valves only. Flanged valves terminate at 1000°F.
- a. Permissible, but not recommended for prolonged use above 800°F.
 - b. Permissible, but not recommended for prolonged use above 850°F.
 - d. Not to be used over 650°F
 - e. Not to be used over 700°F
 - f. Not to be used over 800°F
 - g. Not to be used over 850°F
 - h. Not to be used over 1000°F
 - i. Not to be used over 1050°F
 - j. Not to be used over 1100°F
 - l. Ratings apply for 300°F and lower

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WORKING PRESSURE BY CLASS	Temperature F°	A105 A216 WCB (a)	A352 LCB (d)	A216 WCC (a) A352 LC2 (d) A352 LC3 (d) A352 LCC (e)	A217 WC1 (b) A352 LC1 (d)	A217 WC4 (h) A217 WC5 (i)	A217 WC6 (j)	A217 WC9 (j)	A217 C5	A217 C12	A351 CF3 (f) A351 CF8	A351 CF3M (g) A351 CF8M	A351 CF8C	A351 CN7M (l)
		Working Pressure in PSIG												
C L A S S 3 0 0	-20	740	695	750	695	750	750	750	750	750	720	720	720	600
	100	740	695	750	695	750	750	750	750	750	720	720	720	600
	200	675	655	750	680	750	710	715	750	750	600	620	635	555
	300	655	640	730	655	730	675	675	730	730	530	560	590	525
	400	635	620	705	640	705	660	650	705	705	470	515	555	480
	500	600	585	665	620	665	640	640	665	665	435	480	520	470
	600	550	535	605	605	605	605	605	605	605	415	450	490	455
	650	535	525	590	590	590	590	590	590	590	410	445	480	450
	700	535	520	570	570	570	570	570	570	570	405	430	470	445
	750	505	475	505	530	530	530	530	530	530	400	425	460	440
	800	410	390	410	510	510	510	510	500	510	395	415	455	430
	850	270	270	270	485	485	485	485	440	485	390	405	445	-
	900	170	170	170	450	450	450	450	355	450	385	395	430	-
	950	105	105	105	280	345	380	380	260	370	375	385	385	-
	1000	50	50	50	165	215	225	270	190	290	325	365	365	-
	1050	-	-	-	-	190	140	200	140	190	310	360	360	-
	1100	-	-	-	-	-	95	115	105	115	260	325	325	-
	1150	-	-	-	-	-	50	105	70	75	195	275	275	-
	1200	-	-	-	-	-	35	55	45	50	155	205	170	-
	1250	-	-	-	-	-	-	-	-	-	110	180	125	-
1300	-	-	-	-	-	-	-	-	-	85	140	95	-	
1350	-	-	-	-	-	-	-	-	-	60	105	70	-	
1400	-	-	-	-	-	-	-	-	-	50	75	50	-	
1450	-	-	-	-	-	-	-	-	-	35	60	40	-	
1500	-	-	-	-	-	-	-	-	-	25	40	35	-	

- NOTES:
- a. Permissible, but not recommended for prolonged use above 800°F.
 - b. Permissible, but not recommended for prolonged use above 850°F.
 - d. Not to be used over 650°F
 - e. Not to be used over 700°F
 - f. Not to be used over 800°F
 - g. Not to be used over 850°F
 - h. Not to be used over 1000°F
 - i. Not to be used over 1050°F
 - j. Not to be used over 1100°F
 - l. Ratings apply for 300°F and lower

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WORKING PRESSURE BY CLASS	Temperature F°	A105	A216	A352	A216 WCC (a)	A352 LC2 (d)	A352 LC3 (d)	A352 LCC (e)	A217 WC1 (b)	A352 LC1 (d)	A217 WC4 (h)	A217 WC5 (i)	A217 WC6 (j)	A217 WC9 (j)	A217 C5	A217 C12	A351 CF3 (f)	A351 CF3M (g)	A351 CF8M	A351 CF8C	A351 CN7M (l)	
		WCB (a)	LCB (d)	LCB (d)	LCB (d)	LCB (d)	LCB (d)	LCB (d)	LCB (d)	LCB (d)	LCB (d)	LCB (d)	LCB (d)	LCB (d)	LCB (d)	LCB (d)	LCB (d)	LCB (d)	LCB (d)	LCB (d)	LCB (d)	LCB (d)
Working Pressure in PSIG																						
C L A S S 6 0 0	-20	1480	1390	1500	1390	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1440	1440	1440	1440	1200	
	100	1480	1390	1500	1390	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1440	1440	1440	1440	1200	
	200	1350	1315	1500	1360	1500	1425	1430	1500	1500	1200	1240	1270	1115								
	300	1315	1275	1455	1305	1455	1345	1355	1455	1455	1055	1120	1175	1045								
	400	1270	1235	1410	1280	1410	1315	1295	1410	1410	940	1030	1110	960								
	500	1200	1165	1330	1245	1330	1285	1280	1330	1330	875	955	1035	935								
	600	1095	1065	1210	1210	1210	1210	1210	1210	1210	830	905	985	910								
	650	1075	1045	1175	1175	1175	1175	1175	1175	1175	815	890	960	900								
	700	1065	1035	1135	1135	1135	1135	1135	1135	1135	805	865	935	890								
	750	1010	945	1010	1065	1065	1065	1065	1065	1065	795	845	920	880								
	800	825	780	825	1015	1015	1015	1015	1015	995	1015	790	830	910	865							
	850	535	535	535	975	975	975	975	975	880	975	780	810	890	-							
	900	345	345	345	900	900	900	900	900	705	900	770	790	865	-							
	950	205	205	205	560	685	755	755	520	740	750	775	775	-								
	1000	105	105	105	330	425	445	535	385	585	645	725	725	-								
	1050	-	-	-	-	-	380	275	400	280	380	620	720	720	-							
	1100	-	-	-	-	-	-	190	225	205	225	645	645	-								
	1150	-	-	-	-	-	-	105	205	140	150	390	550	550	-							
1200	-	-	-	-	-	-	70	110	90	105	310	410	345	-								
1250	-	-	-	-	-	-	-	-	-	-	220	365	245	-								
1300	-	-	-	-	-	-	-	-	-	-	165	275	185	-								
1350	-	-	-	-	-	-	-	-	-	-	125	205	135	-								
1400	-	-	-	-	-	-	-	-	-	-	95	150	105	-								
1450	-	-	-	-	-	-	-	-	-	-	70	115	80	-								
1500	-	-	-	-	-	-	-	-	-	-	50	85	70	-								

- NOTES:
- a. Permissible, but not recommended for prolonged use above 800°F.
 - b. Permissible, but not recommended for prolonged use above 850°F.
 - d. Not to be used over 650°F
 - e. Not to be used over 700°F
 - f. Not to be used over 800°F
 - g. Not to be used over 850°F
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WORKING PRESSURE BY CLASS	Temperature F°	A105(A)(B) & LF2(A)	F5	F9	F11 (C)(D)	F22 (D)	F316/F316L (E)
		Working Pressure in PSIG					
C L A S S 8 0 0	-20	1975	2000	2000	2000	2000	1920
	100	1975	2000	2000	2000	2000	1920
	200	1800	1985	2000	2000	2000	1655
	300	1750	1910	1940	1925	1940	1495
	400	1690	1880	1880	1850	1880	1370
	500	1595	1775	1775	1775	1775	1275
	600	1460	1615	1615	1615	1615	1205
	650	1430	1570	1570	1570	1570	1185
	700	1420	1515	1515	1515	1515	1160
	750	1345	1410	1420	1420	1420	1140
	800	1100	1355	1355	1355	1355	1125
	850	715	1290	1300	1300	1300	1115
	900	460	985	1200	1200	1200	1105
	950	275	735	1005	850	1005	1030
	1000	140	530	675	575	695	935
	1050	0	385	460	385	465	915
	1100	0	265	300	255	295	815
	1150	0	165	200	165	180	630
	1200	0	95	140	100	110	495
	1250	0	0	0	0	0	390
1300	0	0	0	0	0	310	
1350	0	0	0	0	0	255	
1400	0	0	0	0	0	200	
1450	0	0	0	0	0	155	
1500	0	0	0	0	0	110	

- NOTES: A. Permissible, but not recommended for prolonged use above 800°F.
 B. Only killed steel shall be used over 850°F.
 C. Use normalized and tempered material only.
 D. Permissible but not recommended for prolonged use above 1100°F.
 E. At temperatures over 1000°F, use only when the carbon content is 0.04% or higher

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WORKING PRESSURE BY CLASS	Temperature F°	A105 A216	A352 LCB	A216 WCC (a) A352 LC2 (d) A352 LC3 (d) A352 LCC (e)	A217 WC1 (b) A352 LC1 (d)	A217 WC4 (h) A217 WC5 (i)	A217 WC6 (j)	A217 WC9 (j)	A217 C5	A217 C12	A351 CF3 (f) A351 CF8	A351 CF3M (g) A351 CF8M	A351 CF8C	A351 CN7M (l)
		WCB (a)	(d)											
Working Pressure in PSIG														
C L A S S 9 0 0	-20	2220	2085	2250	2085	2250	2250	2250	2250	2250	2160	2160	2160	1800
	100	2220	2085	2250	2085	2250	2250	2250	2250	2250	2160	2160	2160	1800
	200	2025	1970	2250	2035	2250	2135	2150	2250	2250	1800	1860	1910	1670
	300	1970	1915	2185	1955	2185	2020	2030	2185	2185	1585	1680	1765	1570
	400	1900	1850	2115	1920	2115	1975	1945	2115	2115	1410	1540	1665	1445
	500	1795	1745	1995	1865	1995	1925	1920	1995	1995	1310	1435	1555	1405
	600	1640	1600	1815	1815	1815	1815	1815	1815	1815	1245	1355	1475	1365
	650	1610	1570	1765	1765	1765	1765	1765	1765	1765	1225	1330	1440	1350
	700	1600	1555	1705	1705	1705	1705	1705	1705	1705	1210	1295	1405	1335
	750	1510	1420	1510	1595	1595	1595	1595	1595	1595	1195	1270	1385	1320
	800	1235	1175	1235	1525	1525	1525	1525	1490	1525	1180	1245	1370	1295
	850	805	805	805	1460	1460	1460	1460	1315	1460	1165	1215	1330	-
	900	515	515	515	1350	1350	1350	1350	1060	1350	1150	1180	1295	-
	950	310	310	310	845	1030	1130	1130	780	1110	1125	1160	1160	-
	1000	155	155	155	495	640	670	805	575	875	965	1090	1090	-
	1050	-	-	-	-	565	410	595	420	565	925	1080	1080	-
	1100	-	-	-	-	-	290	340	310	340	770	965	965	-
	1150	-	-	-	-	-	155	310	205	225	585	825	825	-
	1200	-	-	-	-	-	105	165	135	155	465	620	515	-
	1250	-	-	-	-	-	-	-	-	-	330	545	370	-
1300	-	-	-	-	-	-	-	-	-	245	410	280	-	
1350	-	-	-	-	-	-	-	-	-	185	310	205	-	
1400	-	-	-	-	-	-	-	-	-	145	225	155	-	
1450	-	-	-	-	-	-	-	-	-	105	175	125	-	
1500	-	-	-	-	-	-	-	-	-	70	125	105	-	

- NOTES:
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 - b. Permissible, but not recommended for prolonged use above 850°F.
 - d. Not to be used over 650°F
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		Working Pressure in PSIG												
C L A S S 1 5 0 0	-20	3705	3470	3750	3470	3750	3750	3750	3750	3750	3600	3600	3600	3000
	100	3705	3470	3750	3470	3750	3750	3750	3750	3750	3600	3600	3600	3000
	200	3375	3280	3750	3395	3750	3560	3580	3750	3750	3600	3095	3180	2785
	300	3280	3190	3640	3260	3640	3365	3385	3640	3640	2640	2795	2940	2615
	400	3170	3085	3530	3200	3530	3290	3240	3530	3530	2350	2570	2770	2405
	500	2995	2910	3325	3105	3325	3210	3200	3325	3325	2185	2390	2590	2340
	600	2735	2665	3025	3025	3025	3025	3025	3025	3025	2075	2255	2460	2275
	650	2685	2615	2940	2940	2940	2940	2940	2940	2940	2040	2220	2400	2250
	700	2665	2590	2840	2840	2840	2840	2840	2840	2840	2015	2160	2340	2225
	750	2520	2365	2520	2660	2660	2660	2660	2660	2660	1990	2110	2305	2200
	800	2060	1955	2060	2540	2540	2540	2540	2485	2540	1970	2075	2280	2160
	850	1340	1340	1340	2435	2435	2435	2435	2195	2435	1945	2030	2220	-
	900	860	860	860	2245	2245	2245	2245	1765	2245	1920	1970	2160	-
	950	515	515	515	1405	1715	1885	1885	1305	1850	1870	1930	1930	-
	1000	260	260	260	825	1065	1115	1340	960	1460	1610	1820	1820	-
	1050	-	-	-	-	945	684	995	705	945	1545	1800	1800	-
	1100	-	-	-	-	-	480	565	515	565	1285	1610	1610	-
	1150	-	-	-	-	-	260	515	345	380	980	1370	1370	-
	1200	-	-	-	-	-	170	275	225	260	770	1030	855	-
	1250	-	-	-	-	-	-	-	-	-	550	910	615	-
1300	-	-	-	-	-	-	-	-	-	410	685	465	-	
1350	-	-	-	-	-	-	-	-	-	310	515	345	-	
1400	-	-	-	-	-	-	-	-	-	240	380	255	-	
1450	-	-	-	-	-	-	-	-	-	170	290	205	-	
1500	-	-	-	-	-	-	-	-	-	120	205	170	-	

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 - b. Permissible, but not recommended for prolonged use above 850°F.
 - d. Not to be used over 650°F
 - e. Not to be used over 700°F
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		Working Pressure in PSIG												
C L A S S 2 5 0 0	-20	6170	5785	6250	5785	6250	6250	6250	5785	5785	6000	6000	6000	5000
	100	6170	5785	6250	5785	6250	6250	6250	5785	5785	6000	6000	6000	5000
	200	5625	5470	6250	5660	6250	5930	5965	5660	5660	5000	5160	5300	4640
	300	5470	5315	6070	5435	6070	5605	5640	5435	5435	4400	4660	4900	4360
	400	5280	5145	5880	5330	5880	5485	5400	5330	5330	3920	4280	4620	4010
	500	4990	4850	5540	5180	5540	5350	5330	5180	5180	3640	3980	4320	3900
	600	4560	4440	5040	5040	5040	5040	5040	5040	5040	3460	3760	4100	3790
	650	4475	4355	4905	4905	4905	4905	4905	4905	4905	3400	3700	4000	3750
	700	4440	4320	4730	4730	4730	4730	4730	4730	4730	3360	3600	3900	3710
	750	4200	3945	4200	4430	4430	4430	4430	4430	4430	3320	3520	3840	3665
	800	3430	3260	3430	4230	4230	4230	4230	4145	4230	3280	3460	3800	3600
	850	2230	2230	2230	4060	4060	4060	4060	3660	4060	3240	3380	3700	-
	900	1430	1430	1430	3745	3745	3745	3745	2945	3745	3200	3280	3600	-
	950	860	860	860	2345	2860	3145	3145	2170	3085	3120	3220	3220	-
	1000	430	430	430	1370	1770	1860	2230	1600	2430	2685	3030	3030	-
	1050	-	-	-	-	1570	1145	1660	1170	1570	2570	3000	3000	-
	1100	-	-	-	-	-	800	945	860	945	2145	2685	2685	-
	1150	-	-	-	-	-	430	860	570	630	1630	2285	2285	-
	1200	-	-	-	-	-	285	460	370	430	1285	1715	1430	-
	1250	-	-	-	-	-	-	-	-	-	915	1515	1030	-
1300	-	-	-	-	-	-	-	-	-	685	1145	770	-	
1350	-	-	-	-	-	-	-	-	-	515	860	570	-	
1400	-	-	-	-	-	-	-	-	-	400	630	430	-	
1450	-	-	-	-	-	-	-	-	-	285	485	345	-	
1500	-	-	-	-	-	-	-	-	-	200	345	285	-	

- NOTES:
- a. Permissible, but not recommended for prolonged use above 800°F.
 - b. Permissible, but not recommended for prolonged use above 850°F.
 - d. Not to be used over 650°F
 - e. Not to be used over 700°F
 - f. Not to be used over 800°F
 - g. Not to be used over 850°F
 - h. Not to be used over 1000°F
 - i. Not to be used over 1050°F
 - j. Not to be used over 1100°F
 - l. Ratings apply for 300°F and lower