

PENBERTHY

application report

Section 2000
 Application Report 2778.1
 Issued 07/05
 Replaces 04/97

For: **FLAT GLASS – REFLEX PRESSURE/TEMPERATURE RATINGS USING STANDARD GASKET MATERIAL^A**

SERIES	GLASS SIZE	MAXIMUM WORKING PRESSURE psig (kPa) AT TEMPERATURES UP TO:						
		100°F (38°C)	200°F (93°C)	250°F (121°C)	300°F (149°C)	400°F (204°C)	500°F (260°C)	600°F (316°C)
RL all materials	1	2400 (16550)	2320 (16000)	2280 (15720)	2240 (15440)	2150 (14820)	2000 (13790)	1780 (12270)
	2	2335 (16100)	2250 (15510)	2210 (15240)	2170 (14960)	2080 (14340)	1940 (13380)	1720 (11860)
	3	2250 (15510)	2180 (15030)	2140 (14750)	2100 (14480)	2020 (13930)	1880 (12960)	1670 (11510)
	4	2175 (15000)	2100 (14480)	2060 (14200)	2020 (13930)	1940 (13380)	1820 (12550)	1600 (11030)
	5	2100 (14480)	2030 (14000)	1995 (13750)	1960 (13510)	1880 (12960)	1750 (12070)	1550 (10690)
	6	2025 (13960)	1950 (13440)	1920 (13240)	1890 (13030)	1810 (12480)	1680 (11580)	1500 (10340)
	7	1950 (13440)	1890 (13030)	1855 (12790)	1820 (12550)	1750 (12070)	1630 (11240)	1440 (9930)
	8	1875 (12930)	1820 (12550)	1785 (12310)	1750 (12070)	1680 (11580)	1560 (10760)	1390 (9580)
	9	1800 (12410)	1740 (12000)	1710 (11790)	1680 (11580)	1620 (11170)	1510 (10410)	1340 (9240)
RM, RMR all materials	1	3000 (20680)	2900 (19990)	2850 (19650)	2800 (19310)	2690 (18550)	2500 (17240)	2220 (15310)
	2	2910 (20060)	2820 (19440)	2770 (19100)	2720 (18750)	2600 (17930)	2420 (16690)	2150 (14820)
	3	2820 (19440)	2720 (18750)	2675 (18440)	2625 (18100)	2530 (17440)	2350 (16200)	2080 (14340)
	4	2725 (18790)	2640 (18200)	2600 (17930)	2560 (17650)	2460 (16960)	2270 (15650)	2040 (14070)
	5	2630 (18130)	2540 (17510)	2500 (17240)	2460 (16960)	2360 (16270)	2190 (15100)	1950 (13440)
	6	2535 (17480)	2450 (16890)	2405 (16580)	2360 (16270)	2270 (15650)	2110 (14550)	1875 (12930)
	7	2440 (16820)	2360 (16270)	2320 (16000)	2280 (15720)	2190 (15100)	2030 (14000)	1805 (12440)
	8	2345 (16170)	2270 (15650)	2230 (15380)	2190 (15100)	2110 (14550)	1960 (13510)	1740 (12000)
	9	2250 (15510)	2180 (15030)	2140 (14750)	2100 (14480)	2020 (13930)	1870 (12890)	1660 (11450)
RH, RHR all materials	4 - 9	4000 (27580)	3890 (26820)	3840 (26480)	3790 (26130)	3700 (25510)	3470 (23920)	3080 (21240)
RLC all materials	4 - 9	2400 (16550)	2330 (16060)	2305 (15890)	2280 (15720)	2220 (15310)	2080 (14340)	1840 (12690)
RMW all materials	1	2000 (13790)	1925 (13270)	1890 (13030)	1850 (12760)	1790 (12340)	1665 (11480)	1480 (10200)
	2	1850 (12760)	1785 (12310)	1755 (12100)	1725 (11890)	1670 (11510)	1540 (10620)	1375 (9480)
	3	1700 (11720)	1640 (11310)	1610 (11100)	1575 (10860)	1525 (10510)	1420 (9790)	1260 (8690)
	4	1550 (10690)	1490 (10270)	1465 (10100)	1435 (9890)	1390 (9580)	1290 (8890)	1145 (7890)
	5	1400 (9650)	1350 (9310)	1325 (9140)	1300 (8960)	1255 (8650)	1165 (8030)	1035 (7140)
	6	1250 (8620)	1200 (8270)	1180 (8140)	1160 (8000)	1120 (7720)	1045 (7200)	925 (6380)
	7	1100 (7580)	1060 (7310)	1040 (7170)	1020 (7030)	980 (6760)	910 (6270)	810 (5580)
	8	950 (6550)	920 (6340)	900 (6210)	880 (6070)	850 (5860)	795 (5480)	700 (4830)
	9	800 (5520)	770 (5310)	755 (5210)	740 (5100)	715 (4930)	665 (4580)	590 (4070)

^A optional gasket material may result in a derated maximum pressure for the gage

PENBERTHY

application report

Section 2000
 Application Report 2778.2
 Issued 07/05
 Replaces 04/97

For: **FLAT GLASS – REFLEX PRESSURE/TEMPERATURE RATINGS USING
 STANDARD GASKET MATERIAL^A AND STEEL MR0175/MR0103 NACE BOLTING**

SERIES	GLASS SIZE	MAXIMUM WORKING PRESSURE psig (kPa) AT TEMPERATURES UP TO:						
		100°F (38°C)	200°F (93°C)	250°F (121°C)	300°F (149°C)	400°F (204°C)	500°F (260°C)	600°F (316°C)
RL ^B all materials	1	2160 (14890)	2090 (14410)	2050 (14130)	2015 (13890)	1935 (13340)	1800 (12410)	1600 (11030)
	2	2100 (14480)	2025 (13960)	1990 (13720)	1955 (13480)	1870 (12890)	1745 (12030)	1550 (10690)
	3	2025 (13960)	1960 (13510)	1925 (13270)	1890 (13030)	1820 (12550)	1690 (11650)	1505 (10380)
	4	1960 (13510)	1890 (13030)	1855 (12790)	1820 (12550)	1745 (12030)	1640 (11310)	1440 (9930)
	5	1890 (13030)	1825 (12580)	1795 (12380)	1765 (12170)	1690 (11650)	1575 (10860)	1395 (9620)
	6	1825 (12580)	1755 (12100)	1730 (11930)	1700 (11720)	1630 (11240)	1510 (10410)	1350 (9310)
	7	1755 (12100)	1700 (11720)	1670 (11510)	1640 (11310)	1575 (10860)	1465 (10100)	1295 (8930)
	8	1690 (11650)	1640 (11310)	1605 (11070)	1575 (10860)	1510 (10410)	1405 (9690)	1250 (8620)
	9	1620 (11170)	1565 (10790)	1540 (10620)	1510 (10410)	1460 (10070)	1360 (9380)	1205 (8310)

RM, RMR all materials	1	2700 (18620)	2610 (18000)	2565 (17680)	2520 (17370)	2420 (16690)	2250 (15510)	2000 (13790)
	2	2620 (18060)	2540 (17510)	2495 (17200)	2450 (16890)	2340 (16130)	2180 (15030)	1935 (13340)
	3	2540 (17510)	2450 (16890)	2410 (16620)	2365 (16310)	2275 (15690)	2115 (14580)	1870 (12890)
	4	2455 (16930)	2375 (16370)	2340 (16130)	2305 (15890)	2215 (15270)	2045 (14100)	1835 (12650)
	5	2365 (16310)	2285 (15750)	2250 (15510)	2215 (15270)	2125 (14650)	1970 (13580)	1755 (12100)
	6	2280 (15720)	2205 (15200)	2165 (14930)	2125 (14650)	2045 (14100)	1900 (13100)	1690 (11650)
	7	2195 (15130)	2125 (14650)	2090 (14410)	2050 (14130)	1970 (13580)	1825 (12580)	1625 (11200)
	8	2110 (14550)	2045 (14100)	2005 (13820)	1970 (13580)	1900 (13100)	1765 (12170)	1565 (10790)
	9	2025 (13960)	1960 (13510)	1925 (13270)	1890 (13030)	1820 (12550)	1685 (11620)	1495 (10310)

RH, RHR all materials	4 - 9	3600 (24820)	3500 (24130)	3455 (23820)	3410 (23510)	3330 (22960)	3125 (21550)	2770 (19100)
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RLC all materials	4 - 9	2160 (14890)	2095 (14440)	2075 (14310)	2050 (14130)	2000 (13790)	1870 (12890)	1655 (11410)
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RMW all materials	1	1800 (12410)	1735 (11960)	1700 (11720)	1665 (11480)	1610 (11100)	1500 (10340)	1330 (9170)
	2	1665 (11480)	1605 (11070)	1580 (10890)	1555 (10720)	1505 (10380)	1385 (9550)	1240 (8550)
	3	1530 (10550)	1475 (10170)	1450 (10000)	1420 (9790)	1375 (9480)	1280 (8830)	1135 (7830)
	4	1395 (9620)	1340 (9240)	1320 (9100)	1290 (8890)	1250 (8620)	1160 (8000)	1030 (7100)
	5	1260 (8690)	1215 (8380)	1195 (8240)	1170 (8070)	1130 (7790)	1050 (7240)	930 (6410)
	6	1125 (7760)	1080 (7450)	1060 (7310)	1045 (7200)	1010 (6960)	940 (6480)	835 (5760)
	7	990 (6830)	955 (6580)	935 (6450)	920 (6340)	880 (6070)	820 (5650)	730 (5030)
	8	855 (5890)	830 (5720)	810 (5580)	790 (5450)	765 (5270)	715 (4930)	630 (4340)
	9	720 (4960)	695 (4790)	680 (4690)	665 (4580)	645 (4450)	600 (4140)	530 (3650)

^A optional gasket material may result in a derated maximum pressure for the gage

^B not to be used for Environmental Nace applications

PENBERTHY

application report

Section 2000
 Application Report 2778.3
 Issued 07/05
 Replaces 04/97

For: **FLAT GLASS – REFLEX PRESSURE/TEMPERATURE RATINGS USING STANDARD GASKET MATERIAL^A AND STAINLESS STEEL MR0175/MR0103 NACE BOLTING**

MAXIMUM WORKING PRESSURE psig (kPa) AT TEMPERATURES UP TO 100°F (38°C)

SERIES	GLASS SIZE	
RL ^B all materials	1	1930 (13310)
	2	1560 (10760)
	3	1730 (11930)
	4	1860 (12820)
	5	1605 (11070)
	6	1670 (11510)
	7	1745 (12030)
	8	1515 (10450)
	9	1630 (11240)

SERIES	GLASS SIZE	
RM, RMR all materials	1	1930 (13310)
	2	1550 (10690)
	3	1730 (11930)
	4	1485 (10240)
	5	1605 (11070)
	6	1670 (11510)
	7	1495 (10310)
	8	1515 (10450)
	9	1425 (9820)

SERIES	GLASS SIZE	
RH, RHR all materials	4	1620 (11170)
	5	1750 (12070)
	6	1825 (12580)
	7	1635 (11270)
	8	1655 (11410)
	9	1560 (10760)

SERIES	GLASS SIZE	
RLC all materials	4	1275 (8790)
	5	1380 (9510)
	6	1440 (9930)
	7	1295 (8930)
	8	1310 (9030)
	9	1235 (8510)

SERIES	GLASS SIZE	
RMW all materials	1	1880 (12960)
	2	1510 (10410)
	3	1685 (11620)
	4	1450 (10000)
	5	1400 (9650)
	6	1250 (8620)
	7	1100 (7580)
	8	950 (6550)
	9	800 (5520)

^A optional gasket material may result in a derated maximum pressure for the gage
^B not to be used for Environmental Nace applications