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 7196 Route 98
 Arcade, NY 1409

PYREX GLASS TUBING WORKING TEMPERATURE AND PRESSURES

NOTE: 8000 PSI AVERAGE SHORT BRERAKING STRESS WITH A DESIGN SAFETY FACTOR OF 8.33

NOTE: ALL FACTORS ASSUMING THERE IS THE ABSENCE OF THERMAL SHOCK

| SIGHTGLASS SIZE | | | | | | | | MAX ALLOWABLE | MAX ALLOWABLE | |
|--------------------|-------|-------|-------|-------|-------|-----------|----------|------------------|------------------|-------|
| | O.D. | TOL | TOL | WALL | ID | 1+(d/D) 2 | 1-(d/D)2 | K2 | PSI | TEMP |
| 1/2" | 0.500 | 0.027 | 0.473 | 0.094 | 0.312 | 1.435 | 0.565 | 2.540 | 378 | 450 F |
| 3/4" | 0.750 | 0.039 | 0.711 | 0.125 | 0.500 | 1.495 | 0.0505 | 2.957 | 325 | 450 F |
| 1" | 1.250 | 0.027 | 1.223 | 0.156 | 0.938 | 1.588 | 0.412 | 3.857 | 249 | 450 F |
| 1-1/2" | 1.750 | 0.039 | 1.711 | 0.156 | 1.438 | 1.706 | 0.294 | 5.811 | 165 | 450 F |
| 2" | 2.250 | 0.039 | 2.211 | 0.188 | 1.875 | 1.719 | 0.281 | 6.121 | 157 | 450 F |
| 2-1/2" | 2.750 | 0.056 | 2.694 | 0.188 | 2.375 | 1.777 | 0.233 | 7.977 | 120 | 450 F |
| 3" | 3.250 | 0.062 | 3.188 | 0.188 | 2.875 | 1.813 | 0.187 | 9.711 | 99 | 450 F |
| 4" | 4.500 | 0.065 | 4.435 | 0.250 | 4.000 | 1.813 | 0.187 | 9.721 | 99 | 450 F |

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