

Rev B - Dec-17-2010

Series Specifications 20HV-D.E6 (20HV-D)

**Table 20HV-D.E6.8  
 (Series 20HV-D)  
 External Pressure / Vacuum Rating (psi and bar)**

| Size (NB) in. | Internal Pressure Rating psi | External Pressure / Vacuum Rating psi | Size (NB) mm | Internal Pressure Rating bar | External Pressure / Vacuum Rating bar |
|---------------|------------------------------|---------------------------------------|--------------|------------------------------|---------------------------------------|
| 1.00          | 100                          | 5287.4                                | 25           | 7                            | 364.6                                 |
| 1.50          | 100                          | 2230.6                                | 40           | 7                            | 153.8                                 |
| 2.00          | 100                          | 618.8                                 | 50           | 7                            | 42.7                                  |
| 2.50          | 100                          | 350.7                                 | 65           | 7                            | 24.2                                  |
| 3.00          | 100                          | 217.6                                 | 80           | 7                            | 15.0                                  |
| 4.00          | 100                          | 100.4                                 | 100          | 7                            | 6.9                                   |
| 5.00          | 100                          | 54.3                                  | 125          | 7                            | 3.7                                   |
| 6.00          | 100                          | 32.6                                  | 150          | 7                            | 2.2                                   |
| 8.00          | 100                          | 14.4                                  | 200          | 7                            | 1.0                                   |
| 10.00         | 100                          | 7.6                                   | 250          | 7                            | 0.5                                   |
| 12.00         | 100                          | 5.3                                   | 300          | 7                            | 0.4                                   |
| 14.00         | 100                          | 4.9                                   | 350          | 7                            | 0.3                                   |
| 16.00         | 100                          | 4.8                                   | 400          | 7                            | 0.3                                   |
| 18.00         | 100                          | 4.8                                   | 450          | 7                            | 0.3                                   |
| 20.00         | 100                          | 4.8                                   | 500          | 7                            | 0.3                                   |
| 24.00         | 100                          | 4.7                                   | 600          | 7                            | 0.3                                   |
| 30.00         | 100                          | 5.0                                   | 750          | 7                            | 0.3                                   |
| 36.00         | 100                          | 4.9                                   | 900          | 7                            | 0.3                                   |
| 42.00         | 50                           | 0.7                                   | 1050         | 3                            | 0.0                                   |
| 48.00         | 50                           | 0.6                                   | 1200         | 3                            | 0.0                                   |
| 54.00         | 50                           | 0.6                                   | 1350         | 3                            | 0.0                                   |
| 60.00         | 50                           | 0.6                                   | 1500         | 3                            | 0.0                                   |
| 66.00         | 50                           | 0.6                                   | 1650         | 3                            | 0.0                                   |
| 72.00         | 50                           | 0.6                                   | 1800         | 3                            | 0.0                                   |

Notes:

1. Values are valid up to 150 F (66 C). Degrade by 1% per 10 F (5.5 C) rise above 150 F (66 C) to account for reduced modulus values.
2. Includes a safety factor of 3.0.
3. 14.7 psi (1 bar) equals full vacuum.