

# ■ PRESSURE STAGE TABLE



Temperature-dependent pressure stage table of the DILLO high pressure tube unions

| Materials                   |                        |                             |                            |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------|------------------------|-----------------------------|----------------------------|--|--|--|--|--|--|--|--|--|--|--|
| Material number acc. to DIN | Material specification | AISI material specification | DILLO material code letter |  |  |  |  |  |  |  |  |  |  |  |
| 1.0460                      | P250GH                 | 1022M                       | A                          |  |  |  |  |  |  |  |  |  |  |  |
| 1.4571                      | X6CrNiMoTi17-12-2      | 316 Ti                      | C                          |  |  |  |  |  |  |  |  |  |  |  |
| 1.7335                      | 13CrMo4-5              | A 182                       | D                          |  |  |  |  |  |  |  |  |  |  |  |
| 1.4922                      | X20CrMoV11-1           | ---                         | Q                          |  |  |  |  |  |  |  |  |  |  |  |

  

| series type | nominal pressure (bar) | DILLO material code letter | all types | Nominal pressure up to temperature (°C) | Admissible operating pressure in bar at operating temperature (°C) |      |      |      |      |      |      |      |      |     |
|-------------|------------------------|----------------------------|-----------|-----------------------------------------|--------------------------------------------------------------------|------|------|------|------|------|------|------|------|-----|
|             |                        |                            |           |                                         | 20                                                                 | 100  | 150  | 200  | 250  | 300  | 350  | 400  | 450  | 500 |
| M 1         | 100                    | A                          | X         | 260                                     | 100                                                                | 100  | 100  | 100  | 100  | 90   | 78   | -    | -    | -   |
| M 1         | 100                    | C                          | X         | 400                                     | 100                                                                | 100  | 100  | 100  | 100  | 100  | 100  | 100  | -    | -   |
| M 1         | 100                    | D                          | X         | 490                                     | 100                                                                | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 86  |
| M 1         | 100                    | Q                          |           | 20                                      | 100                                                                | 93   | 90   | 86   | 82   | 78   | 74   | 71   | 62   | 52  |
| MH 1        | 100                    | D                          | X         | 500                                     | 100                                                                | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100 |
| MH 1        | 100                    | Q                          |           | 500                                     | 100                                                                | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100 |
| J 1         | 100                    | A                          | X         | 330                                     | 100                                                                | 100  | 100  | 100  | 100  | 100  | 95   | -    | -    | -   |
| J 1         | 100                    | C                          | X         | 400                                     | 100                                                                | 100  | 100  | 100  | 100  | 100  | 100  | 100  | -    | -   |
| J 1         | 100                    | D                          | X         | 400                                     | 100                                                                | 100  | 100  | 100  | 100  | 100  | 100  | 100  | -    | -   |
| J 1         | 100                    | Q                          |           | 20                                      | 100                                                                | 93   | 90   | 86   | 82   | 78   | 74   | 71   | 62   | 52  |
| JH 1        | 100                    | D                          | X         | 500                                     | -                                                                  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100 |
| JH 1        | 100                    | Q                          |           | 500                                     | 100                                                                | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100 |
| M 2         | 200                    | A                          | X         | 180                                     | 200                                                                | 200  | 200  | 190  | 170  | 150  | 130  | -    | -    | -   |
| M 2         | 200                    | C                          | X         | 200                                     | 200                                                                | 200  | 200  | 200  | 193  | 185  | 178  | 171  | -    | -   |
| M 2         | 200                    | D                          | X         | 350                                     | 200                                                                | 200  | 200  | 200  | 200  | 200  | 200  | 190  | 167  | 145 |
| M 2         | 200                    | Q                          |           | 20                                      | 200                                                                | 188  | 180  | 173  | 165  | 158  | 151  | 144  | 124  | 105 |
| J 2         | 250                    | A                          | X         | 140                                     | 250                                                                | 250  | 235  | 220  | 195  | 170  | 150  | -    | -    | -   |
| J 2         | 250                    | C                          | X         | 140                                     | 250                                                                | 250  | 246  | 226  | 215  | 207  | 198  | 190  | -    | -   |
| J 2         | 250                    | D                          | X         | 300                                     | 250                                                                | 250  | 250  | 250  | 250  | 250  | 230  | 220  | 192  | 165 |
| J 2         | 250                    | Q                          |           | 20                                      | 250                                                                | 188  | 180  | 173  | 165  | 158  | 151  | 144  | 124  | 105 |
| M 3         | 320                    | A                          | X         | 150                                     | 320                                                                | 320  | 320  | 285  | 255  | 225  | 195  | -    | -    | -   |
| M 3         | 320                    | C                          | X         | 145                                     | 320                                                                | 320  | 317  | 295  | 284  | 274  | 262  | 252  | -    | -   |
| M 3         | 320                    | D                          | X         | 300                                     | 320                                                                | 320  | 320  | 320  | 320  | 320  | 295  | 280  | 248  | 215 |
| M 3         | 320                    | Q                          |           | 220                                     | 320                                                                | 320  | 320  | 320  | 310  | 295  | 281  | 268  | 230  | 195 |
| J 3         | 320                    | A                          | X         | 165                                     | 320                                                                | 320  | 320  | 295  | 262  | 230  | 200  | -    | -    | -   |
| J 3         | 320                    | C                          | X         | 170                                     | 320                                                                | 320  | 320  | 302  | 292  | 282  | 271  | 261  | -    | -   |
| J 3         | 320                    | D                          | X         | 20                                      | 320                                                                | 320  | 320  | 320  | 320  | 320  | 305  | 290  | 255  | 220 |
| J 3         | 320                    | Q                          |           | 220                                     | -                                                                  | -    | -    | 320  | 310  | 295  | 281  | 268  | 230  | 195 |
| M 6         | 640                    | A                          | X         | 150                                     | 640                                                                | 640  | 640  | 570  | 507  | 445  | 385  | -    | -    | -   |
| M 6         | 640                    | C                          | X         | 140                                     | 640                                                                | 640  | 632  | 590  | 565  | 540  | 520  | 500  | -    | -   |
| M 6         | 640                    | D                          | X         | 300                                     | 640                                                                | 640  | 640  | 640  | 640  | 640  | 590  | 560  | 492  | 425 |
| M 6         | 640                    | Q                          |           | 415                                     | 640                                                                | 640  | 640  | 640  | 640  | 640  | 640  | 640  | 545  | 450 |
| M 10        | 1000                   | A                          | X         | 80                                      | 1000                                                               | 990  | 890  | 790  | 705  | 620  | 540  | -    | -    | -   |
| M 10        | 1000                   | C                          | X         | 55                                      | 1000                                                               | 940  | 880  | 820  | 780  | 742  | 721  | 700  | -    | -   |
| M 10        | 1000                   | D                          | X         | 200                                     | 1000                                                               | 1000 | 1000 | 1000 | 945  | 890  | 820  | 780  | 748  | 715 |
| M 10        | 1000                   | Q                          |           | 460                                     | 1000                                                               | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 875 |