# Tubos ASTM A53 / ASTM A106 / API 5L Gr. B SCH STD / 40 / XS / 80 / 160

Tubo de acero negro sin costura, tri-norma A53 / ASTM A106 / API 5L grado B x 6 metros de largo.

Desde 1/4" a 11/2" en corte recto, y desde 2" a 24" con extremos biselados(*).

Esta tubería está destinada a aplicaciones mecánicas y de presión y también es aceptable para usos ordinarios en la conducción de vapor, agua, gas, y las líneas de aire. Este tipo de tubería es apta para ser soldada y roscada. La vida útil corresponde al uso en condiciones normales para lo que fue fabricada.

* Opcional extremos planos



## TUBERÍA DE ACERO

| Propiedades Mecánicas | |
|---|---|
| Resistencia a la Tracción, min | 60000 PSI (415 MPa) |
| Fluencia, min | 35000 PSI (240 MPa) |

| Tolerancia Dimensional | |
|---|---|
| Espesor mínimo | -12.5% del valor nominal |
| Peso | +/-10% del valor nominal |
| Diámetro | 1/8" hasta 1 1/2": +/- 1/64"; 2" hasta 24": +/-1% del valor nominal |

| Diámetro Nominal | Dimen. Exterior | STD | | | SCH-40 | | | XS | | | SCH-80 | | | SCH-160 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Espesor Nominal | Peso | | Espesor Nominal | Peso | | Espesor Nominal | Peso | | Espesor Nominal | Peso | | Espesor Nominal | Peso | |
| Pulg. | mm | mm | kg/m | kg | mm | kg/m | kg | mm | kg/m | kg | mm | kg/m | kg | mm | kg/m | kg |
| 1/4 | 13.7 | 2.24 | 0.63 | 3.78 | 2.24 | 0.63 | 3.78 | 3.02 | 0.80 | 4.8 | 3.02 | 0.80 | 4.8 | - | - | |
| 3/8 | 17.1 | 2.31 | 0.84 | 5.04 | 2.31 | 0.84 | 5.04 | 3.20 | 1.10 | 6.6 | 3.20 | 1.10 | 6.6 | - | - | |
| 1/2 | 21.3 | 2.77 | 1.27 | 7.62 | 2.77 | 1.27 | 7.62 | 3.73 | 1.62 | 9.72 | 3.73 | 1.62 | 9.72 | 4.78 | 1.95 | 11.7 |
| 3/4 | 26.7 | 2.87 | 1.69 | 10.14 | 2.87 | 1.69 | 10.14 | 3.91 | 2.20 | 13.2 | 3.91 | 2.20 | 13.2 | 5.56 | 2.90 | 17.4 |
| 1 | 33.4 | 3.38 | 2.50 | 15 | 3.38 | 2.50 | 15 | 4.55 | 3.24 | 19.44 | 4.55 | 3.24 | 19.44 | 6.35 | 4.24 | 25.44 |
| 1 1/4 | 42.2 | 3.56 | 3.39 | 20.34 | 3.56 | 3.39 | 20.34 | 4.85 | 4.47 | 26.82 | 4.85 | 4.47 | 26.82 | 6.35 | 5.61 | 33.66 |
| 1 1/2 | 48.3 | 3.68 | 4.05 | 24.3 | 3.68 | 4.05 | 24.3 | 5.08 | 5.41 | 32.46 | 5.08 | 5.41 | 32.46 | 7.14 | 7.25 | 43.5 |
| 2 | 60.3 | 3.91 | 5.44 | 32.64 | 3.91 | 5.44 | 32.64 | 5.54 | 7.48 | 44.88 | 5.54 | 7.48 | 44.88 | 8.74 | 11.11 | 66.66 |
| 2 1/2 | 73.0 | 5.16 | 8.63 | 51.78 | 5.16 | 8.63 | 51.78 | 7.01 | 11.41 | 68.46 | 7.01 | 11.41 | 68.46 | 9.53 | 14.92 | 89.52 |
| 3 | 88.9 | 5.49 | 11.29 | 67.74 | 5.49 | 11.29 | 67.74 | 7.62 | 15.27 | 91.62 | 7.62 | 15.27 | 91.62 | 11.13 | 21.35 | 128.1 |
| 4 | 114.3 | 6.02 | 16.07 | 96.42 | 6.02 | 16.07 | 96.42 | 8.56 | 22.32 | 133.92 | 8.56 | 22.32 | 133.92 | 13.49 | 33.54 | 201.24 |
| 5 | 141.3 | 6.55 | 21.77 | 130.62 | 6.55 | 21.77 | 130.62 | 9.53 | 30.97 | 185.82 | 9.53 | 30.97 | 185.82 | 15.88 | 49.12 | 294.72 |
| 6 | 168.3 | 7.11 | 28.26 | 169.56 | 7.11 | 28.26 | 169.56 | 10.97 | 42.56 | 255.36 | 10.97 | 42.56 | 255.36 | 18.26 | 67.57 | 405.42 |
| 8 | 219.1 | 8.18 | 42.55 | 255.3 | 8.18 | 42.55 | 255.3 | 12.70 | 64.64 | 387.84 | 12.70 | 64.64 | 387.84 | 23.01 | 111.27 | 667.62 |
| 10 | 273.0 | 9.27 | 60.29 | 361.74 | 9.27 | 60.29 | 361.74 | 12.70 | 81.55 | 489.3 | 15.09 | 95.98 | 575.88 | 28.58 | 172.27 | 1033.62 |
| 12 | 323.8 | 9.53 | 73.88 | 443.28 | 10.31 | 79.71 | 478.26 | 12.70 | 97.46 | 584.76 | 17.48 | 132.05 | 792.3 | 33.32 | 238.69 | 1432.14 |
| 14 | 355.6 | 9.53 | 81.33 | 487.98 | 11.13 | 94.55 | 567.3 | 12.70 | 107.39 | 644.34 | 19.05 | 158.11 | 948.66 | 35.71 | 281.72 | 1690.32 |
| 16 | 406.4 | 9.53 | 93.27 | 559.62 | 12.70 | 123.31 | 739.86 | 12.70 | 123.30 | 739.8 | 21.44 | 203.54 | 1221.24 | 40.49 | 365.38 | 2192.28 |
| 18 | 457 | 9.53 | 105.16 | 630.96 | 14.27 | 155.81 | 934.86 | 12.70 | 139.15 | 834.9 | 23.83 | 254.57 | 1527.42 | 45.24 | 459.39 | 2756.34 |
| 20 | 508 | 9.53 | 117.15 | 702.9 | 15.09 | 183.43 | 1100.58 | 12.70 | 155.12 | 930.72 | 26.19 | 311.19 | 1867.14 | 50.01 | 564.85 | 3389.1 |
| 22 | 559 | 9.53 | 129.13 | 774.78 | - | - | - | 12.70 | 171.09 | 1026.54 | 28.58 | 373.85 | 2243.1 | 53.98 | 672.30 | 4033.8 |
| 24 | 610 | 9.53 | 141.12 | 846.72 | 17.48 | 255.43 | 1532.58 | 12.70 | 187.06 | 1122.36 | 30.96 | 442.11 | 2652.66 | 59.54 | 808.27 | 4849.62 |

* Fotos y datos referenciales. No aceptamos responsabilidad por usos incorrectos o mal interpretaciones de estos datos.

# Tubos ASTM A53 /A106 / API 5L Gr. B
# Presión de Trabajo vs. Temperatura

| Máxima Presión PSI | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Medida Nominal inch (mm) | Cédula | | Espesor de pared (mm) | Temperature (°C) | | | | | | | |
| | | | | -29 +38 | 205 | 260 | 350 | 370 | 400 | 430 | 450 |
| | | | | Maximum Allowable Stress (MPa) | | | | | | | |
| | | | | 137.8 | 137.8 | 130.2 | 117.1 | 115.7 | 89.6 | 74.4 | 59.9 |
| 1/4" (6) | STD | 40 | 2.24 | 7985 | 7985 | - | - | - | - | - | - |
| | XS | 80 | 3.02 | 10798 | 10798 | - | - | - | - | - | - |
| 3/8" (9.6) | STD | 40 | 2.31 | 6606 | 6606 | - | - | - | - | - | - |
| | XS | 80 | 3.20 | 9147 | 9147 | - | - | - | - | - | - |
| 1/2" (15) | STD | 40 | 2.77 | 4992 | 4992 | 4718 | 4243 | 4193 | 3245 | 2696 | 2172 |
| | XS | 80 | 3.73 | 6975 | 6975 | 6594 | 5929 | 5859 | 4534 | 3766 | 3034 |
| | | 160 | 4.78 | 9113 | 9113 | 8612 | 7746 | 7655 | 5923 | 4921 | 3964 |
| | XXS | | 7.47 | 14249 | 14249 | 13465 | 12112 | 11969 | 9262 | 7695 | 6199 |
| 3/4" (20) | STD | 40 | 2.87 | 4071 | 4071 | 3847 | 3461 | 3420 | 2646 | 2198 | 1771 |
| | XS | 80 | 3.91 | 5717 | 5717 | 5402 | 4860 | 4802 | 3715 | 3087 | 2486 |
| | | 160 | 5.56 | 8434 | 8434 | 7971 | 7169 | 7084 | 5482 | 4554 | 3668 |
| | XXS | | 7.82 | 12054 | 12054 | 11391 | 10246 | 10125 | 7836 | 6509 | 5243 |
| 1" (25) | STD | 40 | 3.38 | 3807 | 3807 | 3598 | 3236 | 3198 | 2474 | 2056 | 1656 |
| | XS | 80 | 4.55 | 5262 | 5262 | 4973 | 4476 | 4420 | 3421 | 2842 | 2289 |
| | | 160 | 6.35 | 7612 | 7612 | 7193 | 6470 | 6394 | 4948 | 4110 | 3311 |
| | XXS | | 9.09 | 11172 | 11172 | 10558 | 9496 | 9385 | 7262 | 6033 | 4860 |
| 1 1/4" (32) | STD | 40 | 3.56 | 3135 | 3135 | 2962 | 2664 | 2633 | 2038 | 1693 | 1364 |
| | XS | 80 | 4.85 | 4377 | 4377 | 4136 | 3720 | 3676 | 2845 | 2363 | 1904 |
| | | 160 | 6.35 | 5888 | 5888 | 5564 | 5005 | 4946 | 3827 | 3180 | 2561 |
| | XXS | | 9.7 | 9370 | 9370 | 8854 | 7963 | 7871 | 6090 | 5059 | 4075 |
| 1 1/2" (40) | STD | 40 | 3.68 | 2820 | 2820 | 2665 | 2397 | 2368 | 1833 | 1530 | 1226 |
| | XS | 80 | 5.08 | 3974 | 3974 | 3756 | 3379 | 3339 | 2583 | 2147 | 1729 |
| | | 160 | 7.14 | 5764 | 5764 | 5453 | 4905 | 4847 | 3750 | 3116 | 2510 |
| | XXS | | 10.16 | 8525 | 8528 | 8056 | 7247 | 7161 | 5541 | 4604 | 3708 |
| 2" (50) | STD | 40 | 3.91 | 2375 | 2375 | 2243 | 2020 | 1996 | 1544 | 1283 | 1033 |
| | XS | 80 | 5.54 | 3431 | 3431 | 3242 | 2916 | 2882 | 2230 | 1853 | 1492 |
| | | 160 | 8.74 | 5637 | 5637 | 5327 | 4792 | 4736 | 3665 | 3044 | 2452 |
| | XXS | | 11.07 | 7367 | 7367 | 6962 | 6262 | 6189 | 4789 | 3978 | 3205 |
| 2 1/2" (65) | STD | 40 | 5.16 | 2598 | 2598 | 2455 | 2208 | 2183 | 1689 | 1403 | 1130 |
| | XS | 80 | 7.01 | 3600 | 3600 | 3401 | 3060 | 3024 | 2339 | 1944 | 1566 |
| | | 160 | 9.53 | 5020 | 5020 | 4745 | 4267 | 4217 | 3264 | 2711 | 2184 |
| | XXS | | 14.02 | 7699 | 7699 | 7275 | 6544 | 6467 | 5004 | 4157 | 3349 |
| 3" (80) | STD | 40 | 5.49 | 2256 | 2256 | 2171 | 1918 | 1895 | 1466 | 1218 | 981 |
| | XS | 80 | 7.62 | 3189 | 3186 | 3014 | 2711 | 2679 | 2073 | 1722 | 1387 |
| | | 160 | 11.13 | 4798 | 4798 | 4533 | 4077 | 4029 | 3118 | 2590 | 2087 |
| | XXS | | 15.24 | 6813 | 6813 | 6439 | 5791 | 5723 | 4429 | 3679 | 2964 |
| 4" (100) | STD | 40 | 6.02 | 1913 | 1913 | 1808 | 1626 | 1607 | 1243 | 1033 | 832 |
| | XS | 80 | 8.56 | 2764 | 2764 | 2612 | 2349 | 2322 | 1797 | 1754 | 1202 |
| | | 120 | 11.13 | 3654 | 3654 | 3453 | 3105 | 3069 | 2374 | 1973 | 1595 |
| | | 160 | 13.49 | 4499 | 4499 | 4251 | 3824 | 3779 | 2924 | 2429 | 1916 |
| | XXS | | 17.12 | 5852 | 5852 | 5530 | 4975 | 4916 | 3804 | 3160 | 2545 |
| 5" (125) | STD | 40 | 6.55 | 1677 | 1677 | 1584 | 1425 | 1408 | 1089 | 905 | 731 |
| | XS | 80 | 9.53 | 2474 | 2474 | 2338 | 2103 | 2079 | 1609 | 1336 | 1076 |
| | | 120 | 12.7 | 3355 | 3355 | 3170 | 2851 | 2818 | 2180 | 1812 | 1459 |
| | | 160 | 15.88 | 4265 | 4265 | 4030 | 3626 | 3583 | 2772 | 2303 | 1856 |
| | XXS | | 19.05 | 5206 | 5206 | 4921 | 4426 | 4374 | 3385 | 2812 | 2265 |

Máximos de rangos de presión y temperatura de acuerdo a ASME B31.3

EDICIONES MAC · MMXXII

# Tubos ASTM A53 /A106 / API 5L Gr. B
# Presión de Trabajo vs. Temperatura

| Máxima Presión PSI | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Medida Nominal inch (mm) | Cédula | | Espesor de pared (mm) | Temperature (°C) | | | | | | | |
| | | | | -29 +38 | 205 | 260 | 350 | 370 | 400 | 430 | 450 |
| | | | | Maximum Allowable Stress (MPa) | | | | | | | |
| | | | | 137.8 | 137.8 | 130.2 | 117.1 | 115.7 | 89.6 | 74.4 | 59.9 |
| 6” (150) | STD | 40 | 7.11 | 1530 | 1530 | 1440 | 1294 | 1279 | 990 | 779 | 663 |
| | XS | 80 | 10.97 | 2389 | 2389 | 2258 | 2032 | 2008 | 1553 | 1290 | 1039 |
| | | 120 | 14.27 | 3154 | 3154 | 2981 | 2676 | 2649 | 2051 | 1704 | 1372 |
| | XXS | 160 | 18.26 | 4108 | 4108 | 3882 | 3492 | 3450 | 2670 | 2218 | 1787 |
| 8” (200) | | 20 | 6.35 | 1035 | 1035 | 978 | 879 | 869 | 673 | 559 | 450 |
| | | 30 | 7.04 | 1149 | 1149 | 1086 | 976 | 965 | 747 | 621 | 500 |
| | STD | 40 | 8.18 | 1341 | 1341 | 1267 | 1139 | 1126 | 871 | 724 | 584 |
| | | 60 | 10.31 | 1703 | 1703 | 1609 | 1447 | 1430 | 1106 | 919 | 740 |
| | XS | 80 | 12.7 | 2113 | 2113 | 1997 | 1797 | 1775 | 1374 | 1141 | 919 |
| | | 100 | 15.09 | 2531 | 2531 | 2391 | 2151 | 2126 | 1645 | 1367 | 1101 |
| | | 120 | 18.26 | 3096 | 3096 | 2926 | 2632 | 2601 | 2013 | 1672 | 1347 |
| | | 140 | 20.62 | 3526 | 3526 | 3332 | 2996 | 2961 | 2291 | 1904 | 1533 |
| | XXS | | 22.23 | 3819 | 3819 | 3608 | 3247 | 3209 | 2482 | 2063 | 1662 |
| | | 160 | 23.01 | 3965 | 3965 | 3747 | 3371 | 3331 | 2577 | 2141 | 1725 |
| 10” (250) | | 20 | 6.35 | 826 | 826 | 781 | 703 | 695 | 538 | 447 | 360 |
| | | 30 | 7.8 | 1019 | 1019 | 963 | 866 | 856 | 663 | 551 | 444 |
| | STD | 40 | 9.27 | 1216 | 1216 | 1149 | 1034 | 1022 | 790 | 657 | 530 |
| | XS | 60 | 12.7 | 1682 | 1682 | 1589 | 1429 | 1412 | 1093 | 908 | 731 |
| | | 80 | 15.09 | 2011 | 2011 | 1900 | 1709 | 1689 | 1307 | 1085 | 874 |
| | | 100 | 18.26 | 2454 | 2454 | 2319 | 2087 | 2062 | 1595 | 1325 | 1067 |
| | | 120 | 21.44 | 2906 | 2906 | 2746 | 2470 | 2440 | 1889 | 1569 | 1264 |
| | XXS | 140 | 25.4 | 3481 | 3481 | 2389 | 2958 | 2923 | 2262 | 1880 | 1514 |
| | | 160 | 28.58 | 3949 | 3949 | 3732 | 3357 | 3318 | 2567 | 2132 | 1718 |
| 12” (300) | | 20 | 6.35 | 695 | 695 | 658 | 591 | 584 | 452 | 376 | 303 |
| | | 30 | 8.38 | 922 | 922 | 871 | 783 | 804 | 600 | 498 | 401 |
| | STD | | 9.53 | 1050 | 1050 | 992 | 892 | 882 | 683 | 568 | 457 |
| | | 40 | 10.31 | 1139 | 1139 | 1076 | 968 | 957 | 727 | 616 | 496 |
| | XS | | 12.7 | 1410 | 1410 | 1333 | 1199 | 1184 | 916 | 761 | 614 |
| | | 60 | 14.27 | 1591 | 1591 | 1503 | 1352 | 1336 | 1034 | 859 | 692 |
| | | 80 | 17.48 | 1962 | 1962 | 1864 | 1667 | 1648 | 1275 | 1059 | 853 |
| | | 100 | 21.44 | 2427 | 2427 | 2294 | 2063 | 2040 | 1578 | 1311 | 1056 |
| | XXS | 120 | 25.4 | 2903 | 2903 | 2743 | 2467 | 2438 | 1887 | 1567 | 1262 |
| | | 140 | 28.58 | 3290 | 3290 | 3109 | 2796 | 2763 | 2138 | 1776 | 1431 |
| | | 160 | 33.32 | 3878 | 3878 | 3666 | 3297 | 3258 | 2521 | 2094 | 1687 |
| 14” (350) | | 10 | 6.35 | 633 | 633 | 598 | 538 | 532 | 411 | 342 | 275 |
| | | 20 | 7.92 | 791 | 791 | 749 | 674 | 666 | 515 | 428 | 345 |
| | STD | 30 | 9.53 | 954 | 954 | 902 | 811 | 802 | 621 | 516 | 416 |
| | | 40 | 11.13 | 1119 | 1119 | 1060 | 951 | 939 | 728 | 605 | 487 |
| | XS | | 12.7 | 1281 | 1281 | 1211 | 1089 | 1076 | 832 | 692 | 558 |
| | | 60 | 15.09 | 1529 | 1529 | 1445 | 1300 | 1285 | 994 | 825 | 666 |
| | | 80 | 19.05 | 1947 | 1947 | 1840 | 1655 | 1635 | 1410 | 1051 | 846 |
| | | 100 | 23.83 | 2458 | 2458 | 2323 | 2090 | 2066 | 1598 | 1328 | 1069 |
| | | 120 | 27.79 | 2891 | 2891 | 2732 | 2457 | 2428 | 1880 | 1561 | 1258 |
| | | 140 | 31.75 | 3331 | 3331 | 3148 | 2831 | 2798 | 2166 | 1799 | 1449 |
| | | 160 | 35.71 | 3778 | 3778 | 3571 | 3212 | 3174 | 2456 | 2041 | 1644 |

Máximos de rangos de presión y temperatura de acuerdo a ASME B31.3

EDICIONES MAC · MMXXII

# Tubos ASTM A53 /A106 / API 5L Gr. B
# Presión de Trabajo vs. Temperatura

| Máxima Presión PSI | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Medida Nominal inch (mm) | Cédula | | Espesor de pared (mm) | Temperature (°C) | | | | | | | |
| | | | | -29 +38 | 205 | 260 | 350 | 370 | 400 | 430 | 450 |
| | | | | Maximum Allowable Stress (MPa) | | | | | | | |
| | | | | 137.8 | 137.8 | 130.2 | 117.1 | 115.7 | 89.6 | 74.4 | 59.9 |
| 16" (400) | | 10 | 6.35 | 553 | 553 | 523 | 470 | 464 | 359 | 299 | 241 |
| | | 20 | 7.92 | 692 | 692 | 654 | 588 | 581 | 450 | 374 | 301 |
| | STD | 30 | 9.53 | 833 | 833 | 787 | 709 | 701 | 542 | 450 | 363 |
| | XS | 40 | 12.7 | 1117 | 1117 | 1056 | 949 | 938 | 726 | 598 | 486 |
| | | 60 | 16.66 | 1476 | 1476 | 1395 | 1255 | 1240 | 959 | 797 | 643 |
| | | 80 | 21.44 | 1916 | 1916 | 1810 | 1628 | 1609 | 1245 | 1034 | 833 |
| | | 100 | 26.19 | 2360 | 2360 | 2230 | 2007 | 1983 | 1534 | 1274 | 1026 |
| | | 120 | 30.96 | 2815 | 2815 | 2660 | 2390 | 2364 | 1830 | 1520 | 1224 |
| | | 140 | 36.53 | 3355 | 3355 | 3170 | 2851 | 2818 | 2180 | 1812 | 1459 |
| | | 160 | 40.49 | 3745 | 3745 | 3540 | 3184 | 3147 | 2434 | 2023 | 1630 |
| 18" (450) | | 10 | 6.35 | 491 | 491 | 464 | 417 | 412 | 319 | 265 | 214 |
| | | 20 | 7.92 | 614 | 614 | 580 | 522 | 516 | 399 | 332 | 267 |
| | STD | | 9.53 | 740 | 740 | 699 | 629 | 622 | 481 | 400 | 322 |
| | XS | 30 | 11.13 | 865 | 865 | 818 | 735 | 728 | 563 | 468 | 377 |
| | | | 12.7 | 991 | 991 | 936 | 842 | 832 | 644 | 535 | 431 |
| | | 40 | 14.27 | 1116 | 1116 | 1055 | 949 | 937 | 725 | 603 | 486 |
| | | 60 | 19.05 | 1501 | 1501 | 1419 | 1276 | 1261 | 975 | 810 | 653 |
| | | 80 | 23.83 | 1892 | 1892 | 1788 | 1608 | 1589 | 1229 | 1021 | 822 |
| | | 100 | 29.36 | 2352 | 2352 | 2222 | 2000 | 1976 | 1529 | 1270 | 1023 |
| | | 120 | 34.93 | 2823 | 2823 | 2667 | 2399 | 2371 | 1835 | 1524 | 1228 |
| | | 140 | 39.67 | 3232 | 3232 | 3054 | 2747 | 2714 | 1665 | 1745 | 1406 |
| | | 160 | 45.24 | 3718 | 3718 | 3514 | 3161 | 3123 | 2416 | 2008 | 1618 |
| 20" (500) | | 10 | 6.35 | 441 | 441 | 417 | 373 | 371 | 287 | 238 | 192 |
| | STD | 20 | 9.53 | 665 | 665 | 628 | 565 | 559 | 432 | 359 | 289 |
| | XS | 30 | 12.7 | 890 | 890 | 841 | 757 | 748 | 579 | 481 | 387 |
| | | 40 | 15.09 | 1061 | 1061 | 1002 | 901 | 891 | 690 | 573 | 462 |
| | | 60 | 20.62 | 1462 | 1462 | 1381 | 1242 | 1228 | 950 | 789 | 636 |
| | | 80 | 26.19 | 1871 | 1871 | 1768 | 1590 | 1571 | 1216 | 1010 | 813 |
| | | 100 | 32.54 | 2345 | 2345 | 2217 | 1994 | 1970 | 1525 | 1266 | 1020 |
| | | 120 | 38.1 | 2768 | 2768 | 2616 | 2353 | 2325 | 1800 | 1495 | 1204 |
| | | 140 | 44.45 | 3260 | 3260 | 3081 | 2771 | 2738 | 2120 | 1761 | 1418 |
| | | 160 | 50.01 | 3691 | 3691 | 3495 | 3144 | 3107 | 2404 | 1997 | 1609 |
| 24" (600) | | 10 | 6.35 | 367 | 367 | 347 | 312 | 309 | 239 | 198 | 160 |
| | STD | 20 | 9.53 | 553 | 553 | 523 | 470 | 464 | 359 | 299 | 241 |
| | XS | | 12.7 | 739 | 739 | 699 | 629 | 622 | 481 | 400 | 322 |
| | | 30 | 14.27 | 832 | 832 | 787 | 707 | 700 | 542 | 450 | 362 |
| | | 40 | 17.48 | 1023 | 1023 | 967 | 869 | 859 | 666 | 553 | 445 |
| | | 60 | 24.61 | 1453 | 1453 | 1373 | 1235 | 1221 | 944 | 785 | 633 |
| | | 80 | 30.96 | 1841 | 1841 | 1741 | 1564 | 1546 | 1197 | 994 | 800 |
| | | 100 | 38.89 | 2335 | 2335 | 2207 | 1986 | 1527 | 1518 | 1261 | 1016 |
| | | 120 | 46.02 | 2788 | 2788 | 2635 | 2369 | 2342 | 1812 | 1506 | 1213 |
| | | 140 | 52.37 | 3198 | 3198 | 3022 | 2718 | 2686 | 2079 | 1727 | 1391 |
| | | 160 | 59.54 | 3666 | 3666 | 3465 | 3117 | 3080 | 2383 | 1980 | 1595 |

Máximos de rangos de presión y temperatura de acuerdo a ASME B31.3

EDICIONES MAC : MMXXII