



THERMAFLO TYPE PT & EPT VALVE STEAM CAPACITY CHART
STEAM (POUNDS/HOUR), CHART 1

| Initial Pressure PSIG | Final Pressure PSIG | VALVE SIZE | | | | | | | | |
|-----------------------|---------------------|------------|------|------|-------|-------|-------|-------|-------|-------|
| | | 1/2 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 4 |
| CV FACTOR | | 4 | 8 | 15 | 23 | 30 | 60 | 90 | 120 | 220 |
| 15 | 10 | 139 | 277 | 520 | 797 | 1039 | 2078 | 3117 | 4156 | 7619 |
| 15 | 5 | 187 | 373 | 700 | 1074 | 1400 | 2800 | 4201 | 5601 | 10268 |
| 15 | 3-1 | 214 | 428 | 802 | 1230 | 1604 | 3208 | 4811 | 6415 | 11761 |
| 20 | 12 | 186 | 372 | 698 | 1070 | 1396 | 2793 | 4189 | 5585 | 10239 |
| 20 | 8 | 220 | 441 | 827 | 1268 | 1653 | 3307 | 4960 | 6614 | 12125 |
| 20 | 5-1 | 250 | 500 | 937 | 1437 | 1874 | 3748 | 5621 | 7495 | 13741 |
| 25 | 15 | 221 | 443 | 830 | 1272 | 1660 | 3319 | 4979 | 6639 | 12171 |
| 25 | 10 | 261 | 522 | 979 | 1501 | 1958 | 3916 | 5874 | 7832 | 14359 |
| 25 | 7-1 | 286 | 572 | 1072 | 1644 | 2144 | 4288 | 6431 | 8575 | 15721 |
| 30 | 20 | 237 | 473 | 888 | 1361 | 1775 | 3550 | 5326 | 7101 | 13018 |
| 30 | 15 | 281 | 561 | 1052 | 1614 | 2105 | 4209 | 6314 | 8418 | 15434 |
| 30 | 12-1 | 322 | 644 | 1207 | 1851 | 2414 | 4828 | 7241 | 9655 | 17701 |
| 50 | 40 | 290 | 581 | 1088 | 1669 | 2177 | 4354 | 6531 | 8708 | 15964 |
| 50 | 30 | 393 | 786 | 1473 | 2259 | 2947 | 5894 | 8841 | 11788 | 21611 |
| 50 | 21-1 | 466 | 932 | 1747 | 2679 | 3494 | 6988 | 10481 | 13975 | 25621 |
| 60 | 45 | 377 | 754 | 1414 | 2169 | 2829 | 5657 | 8486 | 11315 | 20744 |
| 60 | 35 | 468 | 937 | 1757 | 2694 | 3514 | 7027 | 10540 | 14053 | 25765 |
| 60 | 27-1 | 538 | 1076 | 2017 | 3093 | 4034 | 8068 | 12101 | 16135 | 29581 |
| 75 | 60 | 417 | 834 | 1564 | 2399 | 3129 | 6257 | 9386 | 12514 | 22942 |
| 75 | 50 | 522 | 1044 | 1957 | 3001 | 3914 | 7828 | 11742 | 15656 | 28704 |
| 75 | 35-1 | 646 | 1292 | 2422 | 3714 | 4844 | 9688 | 14531 | 19375 | 35521 |
| 100 | 80 | 544 | 1087 | 2039 | 3126 | 4077 | 8154 | 12231 | 16308 | 29898 |
| 100 | 60 | 731 | 1462 | 2742 | 4204 | 5484 | 10967 | 16451 | 21934 | 40213 |
| 100 | 48-1 | 826 | 1652 | 3097 | 4749 | 6194 | 12388 | 18581 | 24775 | 45421 |
| 150 | 125 | 733 | 1466 | 2748 | 4213 | 5496 | 10992 | 16487 | 21983 | 40303 |
| 150 | 100 | 993 | 1986 | 3723 | 5709 | 7446 | 14893 | 22339 | 29785 | 54606 |
| 150 | 76-1 | 1186 | 2372 | 4447 | 6819 | 8894 | 17788 | 26681 | 35575 | 65221 |

NOTE: The capacities are based on 10% accuracy of setpoint and pipeline flow velocities of 8000 ft/min on the inlet and outlet of the valve reducing size at the direct inlet and increasing size on the direct outlet.