

SERIES 560/570 SAFETY VALVES

SERIES 560



Our 560 / 570 valve line is a high capacity safety valve used for boilers, piping lines and vessel protection. Designed and engineered for heavy-duty industrial use. ASME and National Board Certified for Section I and VIII as well as CE and CRN Certifications.

SERIES 560

Brass and bronze valve construction with stainless steel springs.
ASME Section I for steam safety.

SERIES 563

Stainless steel body and disc (trimming); Bronze bonnet with stainless steel spring.
ASME Section I for steam safety

SERIES 570

Brass and bronze construction with stainless steel springs.
ASME Section VIII for steam and air/gas service

SERIES 573

Stainless steel body and disc (trimming); Bronze bonnet with stainless steel springs.
ASME Section VIII for steam and air/gas

SERIES 573



Usages: Steam Boilers, Air Compressors, Dryers, Receivers, Pressure Vessels, Piping Systems, Accumulators, Reducing Stations, Tanks, Inter/After Coolers, Cooking Equipment, Autoclaves, Sterilizers or wherever higher capacity pressure protection or relief may be required.

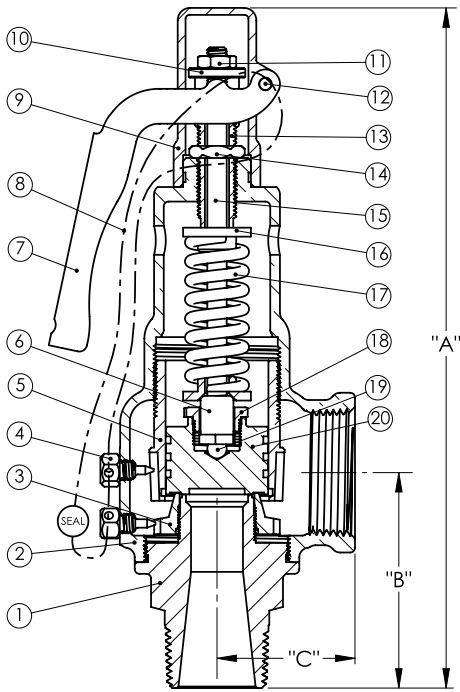
Features:

- Designed for durability
- 6 orifices – 12 sizes of piping options
- Top guided seating
- Full nozzle, high capacity levels
- Short, tuned blow-down with dual-ring technology
- Heavy duty hood and lever mechanism
- Standard 17-7 stainless steel springs

Options:

- O-ring seating options (see charts)
- Packed lift lever
- Stainless steel trimming package, nozzle, disc (all sizes)
- O-ring seating options (PTFE, EPDM, Viton, or as specified)
- Bubble tight seating options
- Anti-vibration spring for lift lever
- BSPT pipe threading





SERIES 560 / 570 / 563 / 573

| ITEM | DESCRIPTION | 560 / 570 | 563 / 573 |
|------|----------------|--------------------|------------------|
| 1 | Body | B16/B62-C83600 | A479-316 SS |
| 2 | Bonnet | B584-C84400 | B584-C84400 |
| 3 | Lower Ring | B584-C84400 | B584-C84400 |
| 4 | Lock Screw | B16 | B16 |
| 5 | Upper Ring | B584-C84400 | B584-C84400 |
| 6 | Spring Support | B16 | B16 |
| 7 | Lift Lever | Steel/Plated | Steel/Plated |
| 8 | Seal Wire | Steel / Galvanized | Steel/Galvanized |
| 9 | Hood | Aluminum /Plated | Aluminum /Plated |
| 10 | Lifter Nut | B16 | B16 |
| 11 | Jam Nut | 18-8 | 18-8 |
| 12 | Lever Pin | B16 | B16 |
| 13 | Pressure Screw | B16 | B16 |
| 14 | Lock Nut | B16 | B16 |
| 15 | Stem | B16 | B16 |
| 16 | Spring Plate | B16 | B16 |
| 17 | Spring | 17-7 | 17-7 |
| 18 | Disc Nut | B16 | B16 |
| 19 | Ball Bearing | 440 | 440 |
| 20 | Disc | B16 | A479-316 SS |
| 21 | Name Plate | Stainless | Stainless |

SERIES 560 / 563 / 570 / 573

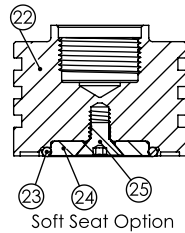
| ORIFICE | FLOW AREA IN ² (MM ²) | INLET | OUTLET | DN | SIZE I.D. | DIMENSIONS – IN. (MM) | | | WEIGHT LB (KG) |
|---------|---|--------|--------|----|-----------|-----------------------|-------------|-------------|-------------------|
| | | | | | | A | B | C | |
| D | .125 (80.6) | 1/2" | 3/4" | 15 | C | 7-1/4" (184) | 2-1/2" (64) | 1-1/2" (38) | 2.5 (1.1) |
| D | .125 (80.6) | 3/4" | 3/4" | 20 | D | 7-1/4" (184) | 2-1/2" (64) | 1-1/2" (38) | 2.5 (1.1) |
| E | .221 (142.6) | 3/4" | 1" | 20 | D | 7-5/8" (194) | 2-1/2" (64) | 1-5/8" (41) | 3 (1.4) |
| E | .221 (142.6) | 1" | 1" | 25 | E | 7-5/8" (194) | 2-1/2" (64) | 1-5/8" (41) | 3 (1.4) |
| F | .352 (227.1) | 1" | 1-1/4" | 25 | E | 8-7/8" (225) | 2-7/8" (73) | 1-3/4" (44) | 4 (1.8) |
| F | .352 (227.1) | 1-1/4" | 1-1/4" | 32 | F | 8-7/8" (225) | 2-7/8" (73) | 1-3/4" (44) | 4 (1.8) |
| G | .567 (365.8) | 1-1/4" | 1-1/2" | 32 | F | 9-1/2" (241) | 3-1/4" (83) | 2-1/4" (57) | 6 (2.7) |
| G | .567 (365.8) | 1-1/2" | 1-1/2" | 40 | G | 9-5/8" (244) | 3-1/4" (83) | 2-1/4" (57) | 6 (2.7) |
| H | .899 (580.0) | 1-1/2" | 2" | 40 | G | 11" (279) | 3-5/8" (92) | 2-1/2" (64) | 10 (4.5) |
| H | .899 (580.0) | 2" | 2" | 50 | H | 11" (279) | 3-5/8" (92) | 2-1/2" (64) | 10 (4.5) |
| J | 1.463 (943.9) | 2" | 2-1/2" | 50 | H | 12-5/8" (321) | 4" (102) | 3-1/8" (79) | 15 (6.8) |
| J | 1.463 (943.9) | 2-1/2" | 2-1/2" | 65 | J | 12-5/8" (321) | 4" (102) | 3-1/8" (79) | 15 (6.8) |

| SERIES | INLET SIZES | METALS | MIN TEMP °F (°C) | MAX TEMP °F (°C) | MAX PRESSURE PSI (BAR) | SERVICES | CERTIFICATIONS |
|--------|----------------|------------------|---------------------|---------------------|---------------------------|-------------------|--------------------|
| 560 | 1/2" to 2-1/2" | Brass/Bronze | -20° (-29°) | 406° (208°) | 250 (17.2) | Steam | ASME I, CE, CRN |
| 563 | 1/2" to 2-1/2" | Stainless/Bronze | -20° (-29°) | 425° (218°) | 250 (17.2) | Steam | ASME I, CE, CRN |
| 570 | 1/2" to 2-1/2" | Brass/Bronze | -20° (-29°) | 406° (208°) | 300 (20.7) | Air / Gas / Steam | ASME VIII, CE, CRN |
| 573 | 1/2" to 2-1/2" | Stainless/Bronze | -20° (-29°) | 425° (218°) | 300 (20.7) | Air / Gas / Steam | ASME VIII, CE, CRN |

SEATING MATERIALS

| MATERIAL | NAMES | MIN TEMP °F (°C) | MAX TEMP °F (°C) | USE FOR: |
|----------|---------|---------------------|---------------------|--|
| FKM | Viton-A | -13° (-25°) | 446° (230°) | Acetone, Air, Alcohol, Benzene, Butane, Ethylene, Ethylene Glycol, Ethyl Alcohol, Gasoline, Isobutyl Alcohol, Kerosene, Lube Oil, Natural Gas, Naphtha, Nitrogen, Propane, Water, Xylene |
| NITRILE | Buna-N | -40° (-40°) | 250° (121°) | Air, Butane, Carbon Dioxide, Diesel Oil, Ethyl Chloride, Ethyl Ether, Fuel Oil, Gasoline, Helium, Hydrogen Sulphide, Kerosene, Natural Gas, Nitrogen, Oxygen (Gas), Propane |
| EPDM | | -40° (-40°) | 303° (151°) | Steam, Water, Hot Water, Acetone, Beer, Brake Fluid, Hydrogen Gas, Sulfur Dioxide, Acids, Alkalies |
| FFKM | KALREZ® | -10° (-23°) | 550° (288°) | Aromatic Hydrocarbons, Chlorinated Hydrocarbons, Polar Solvents (ketones, esters, ethers), Inorganic and Organic Acids, Water, and Steam (Steam service up to 380°F (193°C) saturated) |
| PTFE | | -300° (-184°) | 450° (232°) | Cryogenic Service including Argon, Carbon Dioxide, Helium, Hydrogen, Nitrogen, Oxygen, Steam |

Note: This is just a partial listing. Visit www.aquatrol.com for links to websites with more specific applications.



SOFT SEAT OPTION

| NO. | DESCRIPTION | 560 / 570 | 563 / 573 |
|-----|---------------|----------------|----------------|
| 22 | DISC | B16 | A479-316 SS |
| 23 | O-RING | VARIOUS | VARIOUS |
| 24 | CENTER INSERT | B16 | A479-316 SS |
| 25 | SCREW | 18-8 STAINLESS | 18-8 STAINLESS |

SERIES 560 / 563 / 570 / 573 – PART NUMBERS

| 573 | DC | 1 | M | 1 | L | 1 | 250 |
|--|---|---------------------------------|----------------------------|--|---|-------------------------------------|---------------|
| SERIES DESCRIPTION | ORIFICE/SIZE ID | CONNECTION | SEATING | CAP | SERVICE | OPTIONS | SET |
| 560- Brass/Bronze Section I | DC- 1/2" X 3/4" DD- 3/4" X 3/4" | 1- NPT MXF 2- NPT FXF | M- METAL P- PTFE | 1- Lift lever 3- Packed lift lever | K- ASME VIII-Air/Gas L- ASME VIII-Steam | 1- None 2- Chrome Plating | Ex.250 |
| 563- 316 SS/Bronze Section I | DH- 1" X 3/4" | 3- BSPT MXF | E- EPDM | 4- Lift lever with Anti-Vibe Spring | A- ASME I STEAM | 3- O2 Cleaned | |
| 570- Brass/Bronze Section VIII | DJ- 1-1/2" X 3/4" | 4- BSPT FXF | V- VITON | 6- Packed Lever with Test Gag | P- CE - Air/Gas | 4- API Seating | |
| 573- 316 SS/Bronze Section VIII | ED- 3/4" X 1" | 5- TRI-CLAMP X NPT | B- BUNA | 9- Easy Test lever | E- CE - Steam | 5- O2 Clean/ API Seating | |
| | EE- 1" X 1" | 6- TRI-CLAMP BSPT | | | N- Non-code Air/gas | 6- O2 Clean/ Chrome | |
| | EJ- 1-1/2" X 1" | 8- BSPP MXF | | | T- Non-code Steam | 7- O2/API/Chome | |
| | FE- 1" X 1-1/4" | 9- BSPP FXF | | | | 8- API/Chrome | |
| | FF- 1-1/4" X 1-1/4" | | | | | | |
| | FG- 1-1/2" X 1-1/4" | | | | | | |
| | GF- 1-1/4" X 1-1/2" | | | | | | |
| GG- 1-1/2" X 1-1/2" | | | | | | | |
| HG- 1-1/2" X 2" | | | | | | | |
| HH- 2" X 2" | | | | | | | |
| JH- 2" X 2-1/2" | | | | | | | |
| JJ- 2-1/2" X 2-1/2" | | | | | | | |

Note:
Tri-Clamp connections are Series 563/573 only.
1/2" and 1-1/4" inlet not available in Tri-Clamp.
Sizes DH - DJ - EJ - FG are Tri-Clamp only.

STEAM CAPACITY

SERIES 560 CAPACITIES STEAM LBS/HR – ASME SECTION I

| SET PSI | ORIFICE AREA IN ² FLOW COEFFICIENT = .856 | | | | | |
|------------|--|-------------|-------------|-------------|-------------|--------------|
| | "D" .125 | "E" .221 | "F" .352 | "G" .567 | "H" .899 | "J" 1.463 |
| 5 | 20 | 211 | 337 | 542 | 860 | 1400 |
| 10 | 147 | 260 | 414 | 667 | 1058 | 1722 |
| 15 | 175 | 309 | 492 | 792 | 1256 | 2044 |
| 20 | 202 | 358 | 569 | 917 | 1454 | 2367 |
| 25 | 230 | 406 | 647 | 1042 | 1653 | 2689 |
| 30 | 257 | 455 | 725 | 1167 | 1851 | 3012 |
| 35 | 285 | 504 | 802 | 1292 | 2049 | 3334 |
| 40 | 312 | 552 | 880 | 1417 | 2247 | 3657 |
| 45 | 340 | 601 | 957 | 1542 | 2445 | 3979 |
| 50 | 368 | 650 | 1035 | 1667 | 2643 | 4302 |
| 55 | 395 | 699 | 1113 | 1792 | 2842 | 4624 |
| 60 | 423 | 747 | 1190 | 1917 | 3040 | 4947 |
| 65 | 450 | 796 | 1268 | 2042 | 3238 | 5269 |
| 70 | 478 | 846 | 1347 | 2170 | 3440 | 5598 |
| 75 | 507 | 896 | 1427 | 2298 | 3644 | 5930 |
| 80 | 535 | 946 | 1507 | 2427 | 3848 | 6262 |
| 85 | 563 | 996 | 1587 | 2556 | 4052 | 6595 |
| 90 | 592 | 1046 | 1667 | 2685 | 4256 | 6927 |
| 95 | 620 | 1097 | 1747 | 2813 | 4461 | 7259 |
| 100 | 649 | 1147 | 1826 | 2942 | 4665 | 7591 |
| 110 | 705 | 1247 | 1986 | 3199 | 5073 | 8255 |
| 120 | 762 | 1347 | 2146 | 3457 | 5481 | 8920 |
| 130 | 819 | 1448 | 2306 | 3714 | 5889 | 9584 |
| 140 | 876 | 1548 | 2466 | 3972 | 6297 | 10248 |
| 150 | 932 | 1648 | 2626 | 4229 | 6706 | 10913 |
| 160 | 989 | 1749 | 2785 | 4487 | 7114 | 11577 |
| 170 | 1046 | 1849 | 2945 | 4744 | 7522 | 12241 |
| 180 | 1103 | 1949 | 3105 | 5002 | 7930 | 12905 |
| 190 | 1159 | 2050 | 3265 | 5259 | 8338 | 13570 |
| 200 | 1216 | 2150 | 3425 | 5517 | 8747 | 14234 |
| 210 | 1273 | 2251 | 3585 | 5774 | 9155 | 14898 |
| 220 | 1330 | 2351 | 3744 | 6031 | 9563 | 15563 |
| 230 | 1386 | 2451 | 3904 | 6289 | 9971 | 16227 |
| 240 | 1443 | 2552 | 4064 | 6546 | 10379 | 16891 |
| 250 | 1500 | 2652 | 4224 | 6804 | 10788 | 17556 |

SERIES 560 CAPACITIES STEAM KG/HR – ASME SECTION I

| SET BAR | ORIFICE AREA IN ² FLOW COEFFICIENT = .856 | | | | | |
|------------|--|--------------|--------------|--------------|--------------|--------------|
| | "D" 80.6 | "E" 142.6 | "F" 227.1 | "G" 365.8 | "H" 580.0 | "J" 943.9 |
| 0.2 | 49 | 87 | 138 | 222 | 352 | 573 |
| 0.5 | 60 | 106 | 169 | 272 | 431 | 701 |
| 1 | 78 | 138 | 220 | 354 | 561 | 913 |
| 2 | 114 | 202 | 322 | 518 | 822 | 1337 |
| 3 | 150 | 266 | 424 | 683 | 1082 | 1761 |
| 4 | 187 | 330 | 526 | 847 | 1343 | 2185 |
| 5 | 223 | 395 | 629 | 1013 | 1607 | 2615 |
| 6 | 261 | 461 | 734 | 1183 | 1875 | 3052 |
| 7 | 298 | 527 | 839 | 1352 | 2144 | 3489 |
| 8 | 335 | 593 | 944 | 1521 | 2412 | 3926 |
| 9 | 373 | 659 | 1050 | 1691 | 2681 | 4362 |
| 10 | 410 | 725 | 1155 | 1860 | 2949 | 4799 |
| 11 | 447 | 791 | 1260 | 2029 | 3218 | 5236 |
| 12 | 484 | 857 | 1365 | 2199 | 3486 | 5673 |
| 13 | 522 | 923 | 1470 | 2368 | 3755 | 6110 |
| 14 | 559 | 989 | 1575 | 2537 | 4023 | 6547 |
| 15 | 596 | 1055 | 1680 | 2707 | 4292 | 6984 |
| 16 | 634 | 1121 | 1785 | 2876 | 4560 | 7421 |
| 17 | 671 | 1187 | 1891 | 3045 | 4829 | 7858 |

Capacities are at 10% over set pressure.

Set pressures on steam below 15 PSI (1.03 Bar) and above 250 PSI (17.2 Bar) are NON-Code.

Section I Lift levers can not be omitted.

Lifting Device as required by the ASME:
ASME Section I - PG-73.2.4

Each safety valve shall have a substantial lifting device, which when activated will release the seating force on the disc when the valve is subjected to a pressure of at least 75% of the set pressure.



STEAM CAPACITY

SERIES 570 CAPACITIES STEAM LBS/HR – ASME SECTION VIII

| SET PSI | ORIFICE AREA IN ² FLOW COEFFICIENT = .856 | | | | | |
|------------|--|-------------|-------------|-------------|-------------|--------------|
| | "D" .125 | "E" .221 | "F" .352 | "G" .567 | "H" .899 | "J" 1.463 |
| 5 | 125 | 221 | 352 | 567 | 900 | 1464 |
| 10 | 153 | 270 | 430 | 692 | 1098 | 1787 |
| 15 | 180 | 319 | 507 | 817 | 1296 | 2109 |
| 20 | 208 | 367 | 585 | 942 | 1494 | 2431 |
| 25 | 235 | 416 | 663 | 1067 | 1692 | 2754 |
| 30 | 263 | 465 | 740 | 1192 | 1890 | 3076 |
| 35 | 293 | 518 | 826 | 1330 | 2108 | 3431 |
| 40 | 323 | 572 | 911 | 1467 | 2326 | 3786 |
| 45 | 354 | 625 | 996 | 1605 | 2544 | 4141 |
| 50 | 384 | 679 | 1082 | 1742 | 2762 | 4495 |
| 55 | 414 | 733 | 1167 | 1880 | 2980 | 4850 |
| 60 | 445 | 786 | 1252 | 2017 | 3198 | 5205 |
| 65 | 475 | 840 | 1338 | 2155 | 3416 | 5559 |
| 70 | 505 | 893 | 1423 | 2292 | 3634 | 5914 |
| 75 | 536 | 947 | 1508 | 2430 | 3852 | 6269 |
| 80 | 566 | 1001 | 1594 | 2567 | 4070 | 6624 |
| 85 | 596 | 1054 | 1679 | 2705 | 4288 | 6978 |
| 90 | 627 | 1108 | 1764 | 2842 | 4506 | 7333 |
| 95 | 657 | 1161 | 1850 | 2979 | 4724 | 7688 |
| 100 | 687 | 1215 | 1935 | 3117 | 4942 | 8043 |
| 110 | 748 | 1322 | 2106 | 3392 | 5378 | 8752 |
| 120 | 808 | 1429 | 2276 | 3667 | 5814 | 9461 |
| 130 | 869 | 1536 | 2447 | 3942 | 6250 | 10171 |
| 140 | 930 | 1644 | 2618 | 4217 | 6686 | 10880 |
| 150 | 990 | 1751 | 2789 | 4492 | 7122 | 11590 |
| 160 | 1051 | 1858 | 2959 | 4767 | 7558 | 12299 |
| 170 | 1111 | 1965 | 3130 | 5042 | 7994 | 13009 |
| 180 | 1172 | 2072 | 3301 | 5317 | 8430 | 13718 |
| 190 | 1233 | 2179 | 3471 | 5592 | 8866 | 14428 |
| 200 | 1293 | 2287 | 3642 | 5866 | 9302 | 15137 |
| 210 | 1354 | 2394 | 3813 | 6141 | 9737 | 15846 |
| 220 | 1415 | 2501 | 3983 | 6416 | 10173 | 16556 |
| 230 | 1475 | 2608 | 4154 | 6691 | 10609 | 17265 |
| 240 | 1536 | 2715 | 4325 | 6966 | 11045 | 17975 |
| 250 | 1596 | 2822 | 4495 | 7241 | 11481 | 18684 |
| 260 | 1657 | 2930 | 4666 | 7516 | 11917 | 19394 |
| 270 | 1718 | 3037 | 4837 | 7791 | 12353 | 20103 |
| 280 | 1778 | 3144 | 5008 | 8066 | 12789 | 20813 |
| 290 | 1839 | 3251 | 5178 | 8341 | 13225 | 21522 |
| 300 | 1899 | 3358 | 5349 | 8616 | 13661 | 22231 |

SERIES 570 CAPACITIES STEAM KG/HR – ASME SECTION VIII

| SET BAR | ORIFICE AREA IN ² FLOW COEFFICIENT = .856 | | | | | |
|------------|--|--------------|--------------|--------------|--------------|--------------|
| | "D" 80.6 | "E" 142.6 | "F" 227.1 | "G" 365.8 | "H" 580.0 | "J" 943.9 |
| 0.2 | 51 | 91 | 145 | 234 | 370 | 603 |
| 0.5 | 62 | 110 | 176 | 283 | 449 | 730 |
| 1 | 80 | 142 | 227 | 365 | 579 | 942 |
| 2 | 117 | 206 | 329 | 529 | 840 | 1366 |
| 3 | 156 | 276 | 440 | 709 | 1124 | 1830 |
| 4 | 196 | 347 | 553 | 890 | 1411 | 2297 |
| 5 | 236 | 417 | 665 | 1071 | 1698 | 2763 |
| 6 | 276 | 488 | 777 | 1252 | 1985 | 3230 |
| 7 | 316 | 558 | 889 | 1433 | 2271 | 3696 |
| 8 | 355 | 629 | 1002 | 1613 | 2558 | 4163 |
| 9 | 395 | 699 | 1114 | 1794 | 2845 | 4630 |
| 10 | 435 | 770 | 1226 | 1975 | 3132 | 5096 |
| 11 | 475 | 840 | 1338 | 2156 | 3418 | 5563 |
| 12 | 515 | 911 | 1451 | 2337 | 3705 | 6030 |
| 13 | 555 | 981 | 1563 | 2518 | 3992 | 6496 |
| 14 | 595 | 1052 | 1675 | 2698 | 4279 | 6963 |
| 15 | 634 | 1122 | 1788 | 2879 | 4565 | 7430 |
| 16 | 674 | 1193 | 1900 | 3060 | 4852 | 7896 |
| 17 | 714 | 1263 | 2012 | 3241 | 5139 | 8363 |
| 18 | 754 | 1334 | 2124 | 3422 | 5425 | 8829 |
| 19 | 794 | 1404 | 2237 | 3603 | 5712 | 9296 |
| 20 | 834 | 1475 | 2349 | 3783 | 5999 | 9763 |
| 20.7 | 862 | 1524 | 2427 | 3910 | 6200 | 10089 |



Capacities are at 10% over set pressure.

Set pressures on steam below 15 PSI (1.03 Bar) and above 250 PSI (17.2 Bar) are NON-Code.

Lifting Device as required by the ASME,
ASME Section VIII: UG136(3)

Each pressure relief valve on air, water at the valve inlet that exceeds 140°F (60°C), excluding overpressure or relief events, or steam service shall have a substantial lifting device which when activated will release the seating force on the disc when the pressure relief valve is subjected to a pressure of at least 75% of the set pressure of the valve.

AIR CAPACITY

SERIES 570 CAPACITIES AIR SCFM – ASME SECTION VIII

| SET PSI | ORIFICE AREA IN ² FLOW COEFFICIENT = .856 | | | | | |
|------------|--|-------------|-------------|-------------|-------------|--------------|
| | "D" .125 | "E" .221 | "F" .352 | "G" .567 | "H" .899 | "J" 1.463 |
| 5 | 45 | 79 | 125 | 202 | 320 | 521 |
| 10 | 54 | 96 | 153 | 246 | 391 | 636 |
| 15 | 64 | 113 | 181 | 291 | 461 | 751 |
| 20 | 74 | 131 | 208 | 335 | 532 | 865 |
| 25 | 84 | 148 | 236 | 380 | 602 | 980 |
| 30 | 94 | 165 | 263 | 424 | 673 | 1095 |
| 35 | 104 | 184 | 294 | 473 | 750 | 1221 |
| 40 | 115 | 204 | 324 | 522 | 828 | 1348 |
| 45 | 126 | 223 | 355 | 571 | 906 | 1474 |
| 50 | 137 | 242 | 385 | 620 | 983 | 1600 |
| 55 | 147 | 261 | 415 | 669 | 1061 | 1726 |
| 60 | 158 | 280 | 446 | 718 | 1138 | 1853 |
| 65 | 169 | 299 | 476 | 767 | 1216 | 1979 |
| 70 | 180 | 318 | 506 | 816 | 1294 | 2105 |
| 75 | 191 | 337 | 537 | 865 | 1371 | 2231 |
| 80 | 201 | 356 | 567 | 914 | 1449 | 2358 |
| 85 | 212 | 375 | 598 | 963 | 1526 | 2484 |
| 90 | 223 | 394 | 628 | 1012 | 1604 | 2610 |
| 95 | 234 | 413 | 658 | 1061 | 1681 | 2736 |
| 100 | 245 | 432 | 689 | 1109 | 1759 | 2863 |
| 110 | 266 | 471 | 750 | 1207 | 1914 | 3115 |
| 120 | 288 | 509 | 810 | 1305 | 2069 | 3368 |
| 130 | 309 | 547 | 871 | 1403 | 2225 | 3620 |
| 140 | 331 | 585 | 932 | 1501 | 2380 | 3873 |
| 150 | 352 | 623 | 993 | 1599 | 2535 | 4125 |
| 160 | 374 | 661 | 1053 | 1697 | 2690 | 4378 |
| 170 | 396 | 699 | 1114 | 1795 | 2845 | 4630 |
| 180 | 417 | 738 | 1175 | 1892 | 3000 | 4883 |
| 190 | 439 | 776 | 1236 | 1990 | 3156 | 5135 |
| 200 | 460 | 814 | 1296 | 2088 | 3311 | 5388 |
| 210 | 482 | 852 | 1357 | 2186 | 3466 | 5640 |
| 220 | 503 | 890 | 1418 | 2284 | 3621 | 5893 |
| 230 | 525 | 928 | 1479 | 2382 | 3776 | 6145 |
| 240 | 547 | 966 | 1539 | 2480 | 3931 | 6398 |
| 250 | 568 | 1005 | 1600 | 2577 | 4087 | 6650 |
| 260 | 590 | 1043 | 1661 | 2675 | 4242 | 6903 |
| 270 | 611 | 1081 | 1722 | 2773 | 4397 | 7156 |
| 280 | 633 | 1119 | 1782 | 2871 | 4552 | 7408 |
| 290 | 655 | 1157 | 1843 | 2969 | 4707 | 7661 |
| 300 | 676 | 1195 | 1904 | 3067 | 4863 | 7913 |

SERIES 570 CAPACITIES AIR NM³/HR – ASME SECTION VIII

| SET BAR | ORIFICE AREA IN ² FLOW COEFFICIENT = .856 | | | | | |
|------------|--|--------------|--------------|--------------|--------------|--------------|
| | "D" 80.6 | "E" 142.6 | "F" 227.1 | "G" 365.8 | "H" 580.0 | "J" 943.9 |
| 0.2 | 69 | 121 | 193 | 311 | 494 | 803 |
| 0.5 | 83 | 147 | 234 | 377 | 598 | 973 |
| 1 | 107 | 190 | 302 | 487 | 772 | 1256 |
| 2 | 156 | 275 | 438 | 706 | 1119 | 1821 |
| 3 | 208 | 369 | 587 | 945 | 1499 | 2440 |
| 4 | 261 | 463 | 737 | 1187 | 1881 | 3062 |
| 5 | 315 | 557 | 886 | 1428 | 2264 | 3684 |
| 6 | 368 | 651 | 1036 | 1669 | 2646 | 4306 |
| 7 | 421 | 744 | 1186 | 1910 | 3028 | 4928 |
| 8 | 474 | 838 | 1335 | 2151 | 3410 | 5550 |
| 9 | 527 | 932 | 1485 | 2392 | 3793 | 6172 |
| 10 | 580 | 1026 | 1635 | 2633 | 4175 | 6794 |
| 11 | 633 | 1120 | 1784 | 2874 | 4557 | 7416 |
| 12 | 686 | 1214 | 1934 | 3115 | 4939 | 8038 |
| 13 | 740 | 1308 | 2084 | 3356 | 5322 | 8660 |
| 14 | 793 | 1402 | 2233 | 3597 | 5704 | 9282 |
| 15 | 846 | 1496 | 2383 | 3838 | 6086 | 9905 |
| 16 | 899 | 1590 | 2533 | 4079 | 6468 | 10527 |
| 17 | 952 | 1684 | 2682 | 4321 | 6851 | 11149 |
| 18 | 1005 | 1778 | 2832 | 4562 | 7233 | 11771 |
| 19 | 1058 | 1872 | 2982 | 4803 | 7615 | 12393 |
| 20 | 1111 | 1966 | 3131 | 5044 | 7997 | 13015 |
| 20.7 | 1149 | 2032 | 3236 | 5213 | 8265 | 13450 |



Capacities are at 10% over set pressure.

Set pressures on air below 15 PSI (1.03 Bar) and above 300 PSI (17.2 Bar) are NON-Code.

Lifting Device as required by the ASME, ASME Section VIII: UG136(3)

Each pressure relief valve on air, water at the valve inlet that exceeds 140°F (60°C), excluding overpressure or relief events, or steam service shall have a substantial lifting device which when activated will release the seating force on the disc when the pressure relief valve is subjected to a pressure of at least 75% of the set pressure of the valve.