

Threaded and Flanged Safety Relief Valves

RV10 Series

The RV10 safety relief valve is well-suited for overpressure protection of production equipment, including compressors, scrubbers, separators, pipelines or anywhere overpressure protection may be required. The design incorporates a non-rising stem to give the disk full guidance while opening and closing. The non-rising stem coupled with the valve's soft-seat design ensures long-lasting set pressure repeatability and bubble-tight shutoff. The shorter stem also makes the valve more compact, making it ideal for requirements where space may be an issue.

The RV10 is ASME certified for gas and liquid service and is available in NPT and flanged connections. Flanged sizes meet API 526 dimensions. The RV10 series covers set pressure ranges from 15-3000 psi (103-20684 kPa) with orifice sizes ranging from D to Q. Orifice sizes exceed API minimum areas for increased flow rates.

The RV10 is manufactured in accordance with the ASME Boiler and Pressure Vessel Code, capacity tested and certified by the National Board and meets the requirements of Section VIII, Division 1 of the ASME Code.

Specifications

- Set Pressure Range:** 15 - 3000 psi (varies by model)
- Temperature Range:** -50° F to 400° F (-45° C to 204° C)
- Seat Tightness:** Meets or exceeds API 527
- Materials:**
 - Base:** ASME SA105, SA479 316, A350 LF2 (low-temp option)
 - Body:** ASME SA216 WCB, SA352 LCB (low-temp option)
 - Bonnet:** ASME SA216 WCB, SA352 LCB (low-temp option)
 - Bolts:** ASME SA193 Gr B7
 - Spring:** 17-7 Stainless (standard), Inconel® X-750 (NACE)
 - Trim:** ASTM 304/316 stainless
 - Soft Seat:** Viton®, carbon-filled PTFE®



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Dimensions

See Tables 2 and 3 for Dimensions.

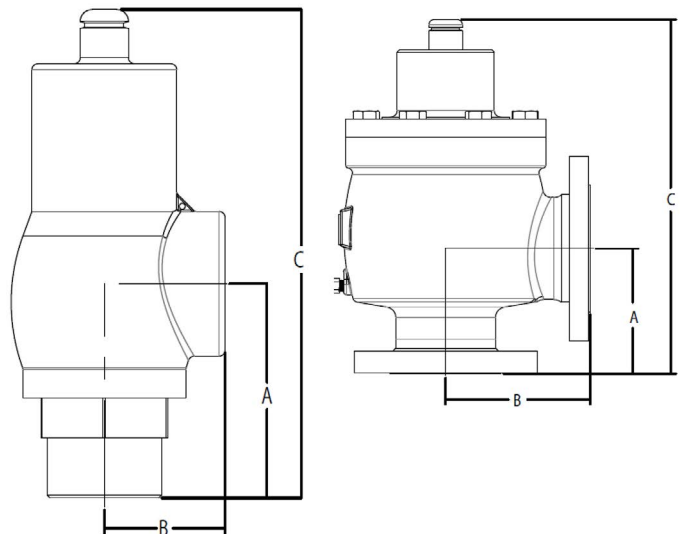


Table 1 - Air Capacities in SCFM (14.7 psia & 60° F)

| Set Pressure | Orifice Letter Designation | | | | | | | | | |
|--------------|---------------------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| | Orifice Area (in ²) | | | | | | | | | |
| | D | E | F | G | H | J | K | L | M | Q |
| | 0.130 | 0.220 | 0.357 | 0.478 | 0.913 | 1.440 | 2.100 | 3.300 | 4.100 | 12.700 |
| 15 | 59 | 100 | 162 | 217 | 414 | 653 | 952 | 1496 | 1859 | 5758 |
| 20 | 68 | 115 | 187 | 250 | 477 | 753 | 1098 | 1725 | 2143 | 6638 |
| 25 | 77 | 130 | 211 | 283 | 541 | 853 | 1243 | 1954 | 2427 | 7519 |
| 30 | 86 | 145 | 236 | 316 | 604 | 952 | 1389 | 2182 | 2712 | 8399 |
| 40 | 106 | 179 | 291 | 389 | 743 | 1172 | 1709 | 2686 | 3337 | 10336 |
| 50 | 126 | 213 | 345 | 462 | 882 | 1392 | 2029 | 3189 | 3962 | 12273 |
| 60 | 145 | 246 | 399 | 535 | 1022 | 1611 | 2350 | 3692 | 4588 | 14210 |
| 75 | 175 | 296 | 481 | 644 | 1230 | 1941 | 2830 | 4447 | 5525 | 17116 |
| 100 | 225 | 380 | 617 | 826 | 1579 | 2490 | 3631 | 5706 | 7089 | 21958 |
| 125 | 274 | 464 | 753 | 1009 | 1927 | 3039 | 4432 | 6964 | 8652 | 26800 |
| 150 | 324 | 548 | 889 | 1191 | 2275 | 3588 | 5232 | 8222 | 10215 | 31643 |
| 175 | 373 | 632 | 1026 | 1373 | 2623 | 4137 | 6033 | 9480 | 11779 | 36485 |
| 200 | 423 | 716 | 1162 | 1555 | 2971 | 4686 | 6834 | 10739 | 13342 | 41327 |
| 250 | 522 | 884 | 1434 | 1920 | 3667 | 5784 | 8435 | 13255 | 16468 | 51012 |
| 300 | 621 | 1051 | 1706 | 2284 | 4363 | 6882 | 10036 | 15772 | 19595 | 60697 |
| 350 | 720 | 1219 | 1978 | 2649 | 5060 | 7980 | 11638 | 18288 | 22722 | 70382 |
| 400 | 820 | 1387 | 2251 | 3014 | 5756 | 9078 | 13239 | 20805 | 25848 | 80066 |
| 450 | 919 | 1555 | 2523 | 3378 | 6452 | 10176 | 14841 | 23321 | 28975 | 89751 |
| 500 | 1018 | 1723 | 2795 | 3743 | 7148 | 11275 | 16442 | 25838 | 32101 | 99436 |
| 550 | 1117 | 1890 | 3067 | 4107 | 7845 | 12373 | 18044 | 28354 | 35228 | 109120 |
| 600 | 1216 | 2058 | 3340 | 4472 | 8541 | 13471 | 19645 | 30871 | 38354 | 118805 |
| 650 | 1315 | 2226 | 3612 | 4836 | 9237 | 14569 | 21246 | 33387 | 41481 | 128490 |
| 700 | 1414 | 2394 | 3884 | 5201 | 9933 | 15667 | 22848 | 35904 | 44608 | 138175 |
| 750 | 1514 | 2561 | 4156 | 5565 | 10630 | 16765 | 24449 | 38420 | 47734 | 147859 |
| 800 | 1613 | 2729 | 4429 | 5930 | 11326 | 17863 | 26051 | 40937 | 50861 | 157544 |
| 850 | 1712 | 2897 | 4701 | 6294 | 12022 | 18961 | 27652 | 43453 | 53987 | 167229 |
| 900 | 1811 | 3065 | 4973 | 6659 | 12718 | 20059 | 29253 | 45970 | 57114 | 176914 |
| 950 | 1910 | 3232 | 5245 | 7023 | 13415 | 21158 | 30855 | 48486 | 60240 | 186598 |
| 1000 | 2009 | 3400 | 5518 | 7388 | 14111 | 22256 | 32456 | 51003 | 63367 | 196283 |
| 1200 | 2406 | 4071 | 6607 | 8846 | 16896 | 26648 | 38862 | 61069 | 75873 | 235022 |
| 1300 | 2604 | 4407 | 7151 | 9575 | 18288 | 28844 | 42065 | 66102 | 82126 | 254391 |
| 1440 | 2882 | 4877 | 7913 | 10595 | 20238 | 31919 | 46549 | 73148 | 90881 | 281509 |
| 1500 | 3001 | 5078 | 8240 | 11033 | 21073 | 33237 | 48470 | 76168 | 94633 | 293130 |
| 2000 | 3992 | 6756 | 10962 | 14678 | 28035 | 44218 | 64484 | 101333 | 125898 | 389978 |
| 2250 | 4488 | 7594 | 12324 | 16500 | 31517 | 49708 | 72492 | 113915 | 141531 | 438401 |
| 2500 | 4983 | 8433 | 13685 | 18323 | 34998 | 55199 | 80499 | 126498 | 157164 | 486825 |
| 2750 | 5479 | 9272 | 15046 | 20146 | 38479 | 60690 | 88506 | 139080 | 172797 | 535249 |
| 3000 | 5975 | 10111 | 16407 | 21968 | 41960 | 66180 | 96513 | 151663 | 188430 | 583672 |

kd = .756

To convert capacities to another gas, divide by the square root of the specific gravity of the desired gas.

To convert SCFM to m³ /hr multiply by 1.699.

Table 1 - Water Capacities in GPM (60° F)

| Set Pressure | Orifice Letter Designation | | | | | | | | | |
|--------------|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | Orifice Area (in ²) | | | | | | | | | |
| | D | E | F | G | H | J | K | L | M | Q |
| | 0.130 | 0.220 | 0.357 | 0.478 | 0.913 | 1.440 | 2.100 | 3.300 | 4.100 | 12.700 |
| 15 | 14 | 23 | 38 | 51 | 97 | 153 | 223 | 350 | 435 | 1347 |
| 20 | 16 | 26 | 43 | 57 | 109 | 173 | 252 | 396 | 492 | 1523 |
| 25 | 17 | 29 | 47 | 63 | 121 | 191 | 278 | 437 | 542 | 1680 |
| 30 | 19 | 32 | 51 | 69 | 131 | 207 | 302 | 474 | 589 | 1824 |
| 40 | 22 | 36 | 59 | 79 | 151 | 239 | 348 | 547 | 680 | 2106 |
| 50 | 24 | 41 | 66 | 89 | 169 | 267 | 389 | 612 | 760 | 2355 |
| 60 | 26 | 45 | 73 | 97 | 185 | 293 | 427 | 670 | 833 | 2580 |
| 75 | 30 | 50 | 81 | 109 | 207 | 327 | 477 | 749 | 931 | 2884 |
| 100 | 34 | 58 | 94 | 125 | 239 | 378 | 551 | 865 | 1075 | 3331 |
| 125 | 38 | 65 | 105 | 140 | 268 | 422 | 616 | 968 | 1202 | 3724 |
| 150 | 42 | 71 | 115 | 154 | 293 | 463 | 674 | 1060 | 1317 | 4079 |
| 175 | 45 | 76 | 124 | 166 | 317 | 500 | 729 | 1145 | 1422 | 4406 |
| 200 | 48 | 82 | 132 | 177 | 339 | 534 | 779 | 1224 | 1521 | 4710 |
| 250 | 54 | 91 | 148 | 198 | 379 | 597 | 871 | 1368 | 1700 | 5266 |
| 300 | 59 | 100 | 162 | 217 | 415 | 654 | 954 | 1499 | 1862 | 5769 |
| 350 | 64 | 108 | 175 | 235 | 448 | 706 | 1030 | 1619 | 2012 | 6231 |
| 400 | 68 | 115 | 187 | 251 | 479 | 755 | 1101 | 1731 | 2150 | 6661 |
| 450 | 72 | 122 | 199 | 266 | 508 | 801 | 1168 | 1836 | 2281 | 7065 |
| 500 | 76 | 129 | 209 | 280 | 535 | 844 | 1231 | 1935 | 2404 | 7447 |
| 550 | 80 | 135 | 220 | 294 | 562 | 886 | 1292 | 2030 | 2522 | 7811 |
| 600 | 84 | 141 | 229 | 307 | 586 | 925 | 1349 | 2120 | 2634 | 8158 |
| 650 | 87 | 147 | 239 | 320 | 610 | 963 | 1404 | 2206 | 2741 | 8491 |
| 700 | 90 | 153 | 248 | 332 | 633 | 999 | 1457 | 2290 | 2845 | 8812 |
| 750 | 93 | 158 | 256 | 343 | 656 | 1034 | 1508 | 2370 | 2945 | 9121 |
| 800 | 96 | 163 | 265 | 355 | 677 | 1068 | 1558 | 2448 | 3041 | 9420 |
| 850 | 99 | 168 | 273 | 365 | 698 | 1101 | 1606 | 2523 | 3135 | 9710 |
| 900 | 102 | 173 | 281 | 376 | 718 | 1133 | 1652 | 2596 | 3226 | 9992 |
| 950 | 105 | 178 | 289 | 386 | 738 | 1164 | 1697 | 2667 | 3314 | 10265 |
| 1000 | 108 | 182 | 296 | 396 | 757 | 1194 | 1742 | 2737 | 3400 | 10532 |
| 1200 | 118 | 200 | 324 | 434 | 829 | 1308 | 1908 | 2998 | 3725 | 11537 |
| 1300 | 123 | 208 | 338 | 452 | 863 | 1362 | 1986 | 3120 | 3877 | 12008 |
| 1440 | 129 | 219 | 355 | 476 | 909 | 1433 | 2090 | 3284 | 4080 | 12638 |
| 1500 | 132 | 223 | 363 | 485 | 927 | 1463 | 2133 | 3352 | 4164 | 12899 |
| 2000 | 152 | 258 | 419 | 561 | 1071 | 1689 | 2463 | 3870 | 4808 | 14894 |
| 2250 | 162 | 274 | 444 | 595 | 1136 | 1791 | 2612 | 4105 | 5100 | 15798 |
| 2500 | 170 | 288 | 468 | 627 | 1197 | 1888 | 2754 | 4327 | 5376 | 16653 |
| 2750 | 179 | 303 | 491 | 657 | 1256 | 1980 | 2888 | 4538 | 5638 | 17465 |
| 3000 | 187 | 316 | 513 | 687 | 1311 | 2068 | 3016 | 4740 | 5889 | 18242 |

Kd = .658

To convert capacities to another liquid, divide by the square root of the specific gravity of the desired liquid.

Table 2 - Inlet/Outlet Codes, Dimensions & Weights (NPT)

| Inlet/Outlet Code | Inlet/Outlet | A, B, C Dims (inches) | Orifice Sizes | Pressure Range (psi) | Approximate Weight (lbs) |
|-------------------|-----------------------|-----------------------------------|---------------|----------------------|--------------------------|
| N01 | 3/4" MNPT X 3/4" FNPT | 3.25 X 1.88 X 8.13 | D | 15-3000 | 5 |
| | | | E | 15-2400 | 5 |
| N02 | 3/4" MNPT X 1" FNPT | 3.25 X 1.88 X 8.13 | D | 15-3000 | 5 |
| | | | E | 15-2400 | 5 |
| N03 | 3/4" FNPT X 3/4" FNPT | 2.25 X 1.88 X 7.25 | D | 15-3000 | 5 |
| | | | E | 15-2400 | 5 |
| N04 | 3/4" FNPT X 1" FNPT | 2.25 X 1.88 X 7.25 | D | 15-3000 | 5 |
| | | | E | 15-2400 | 5 |
| N05 | 1" MNPT X 1" FNPT | 3.25 X 1.88 X 8.13 | D | 15-3000 | 5.5 |
| | | | E | 15-2400 | 5.5 |
| N06 | 1" FNPT X 1" FNPT | 3.25 X 1.88 X 8.13 | D | 15-3000 | 5.5 |
| | | | E | 15-2400 | 5.5 |
| N07 | 1" MNPT X 1 1/2" FNPT | 4.50 X 2.38 X 10.12 | D | 15-3000 | 13 |
| | | | E | 15-2400 | 13 |
| N08 | 1" FNPT X 1 1/2" FNPT | 3.38 X 2.38 X 9.00 | D | 15-3000 | 13 |
| | | | E | 15-2400 | 13 |
| N09 | 1" MNPT X 2" FNPT | 4.50 X 2.38 X 10.12 | D | 15-3000 | 13 |
| | | | E | 15-2400 | 13 |
| N10 | 1" FNPT X 2" FNPT | 3.38 X 2.38 X 9.00 | D | 15-3000 | 13 |
| | | | E | 15-2400 | 13 |
| N11 | 1 1/2" MNPT X 2" FNPT | 4.50 X 2.38 X 10.12 | D | 15-3000 | 14 |
| | | | E | 15-2400 | 14 |
| N12 | 2" MNPT x 2" FNPT | 4.50 X 2.38 X 10.12 | D | 15-3000 | 14 |
| | | | E | 15-2400 | 14 |
| N13 | 1 1/2" MNPT X 2" FNPT | 4.44 X 2.38 X 10.13 | F | 15-2400 | 14 |
| | | | G | 15-2000 | 14 |
| N14 | 1 1/2" FNPT X 2" FNPT | 4.63 X 2.38 X 10.38 | F | 15-2400 | 14 |
| | | | G | 15-2000 | 14 |
| N15 | 2" MNPT X 2" FNPT | 4.44 X 2.38 X 10.13 | F | 15-2400 | 14 |
| | | | G | 15-2000 | 14 |
| N16 | 2" FNPT X 2" FNPT | 4.63 X 2.38 X 10.38 | F | 15-2400 | 14 |
| | | | G | 15-2000 | 14 |
| N17 | 1 1/2" MNPT X 2" FNPT | 4.25 X 3.00 X 12.31 | H | 15-850 | 26 |
| N18 | 1 1/2" FNPT X 2" FNPT | 3.00 X 3.00 X 11.06 | H | 15-850 | 25 |
| N19 | 2" MNPT X 2" FNPT | 4.25 X 3.00 X 12.31 | H | 15-850 | 26 |
| N20 | 2" MNPT X 2" FNPT | 4.25 X 3.00 X 14.38 (Tall Bonnet) | H | 851-2000 | 31 |
| N21 | 2" FNPT X 2" FNPT | 3.00 X 3.00 X 11.06 | H | 15-850 | 24 |
| N22 | 2" FNPT X 2" FNPT | 3.00 X 3.00 X 13.13 (Tall Bonnet) | H | 851-2000 | 30 |
| N23 | 2" MNPT X 2 1/2" FNPT | 4.25 X 3.00 X 12.31 | H | 15-850 | 25 |
| N24 | 2" MNPT X 2 1/2" FNPT | 4.25 X 3.00 X 14.38 (Tall Bonnet) | H | 851-2000 | 30 |
| N25 | 2" FNPT X 2 1/2" FNPT | 3.00 X 3.00 X 11.06 | H | 15-850 | 24 |
| N26 | 2" FNPT X 2 1/2" FNPT | 3.00 X 3.00 X 13.13 (Tall Bonnet) | H | 851-2000 | 29 |
| N27 | 2" MNPT X 3" FNPT | 5.50 X 4.25 X 13.75 | J | 15-450 | 48 |
| N28 | 2" MNPT X 3" FNPT | 5.50 X 4.25 X 16.95 (Tall Bonnet) | J | 451-800 | 54 |
| N29 | 2" FNPT X 3" FNPT | 3.75 X 4.25 X 12.00 | J | 15-450 | 46 |
| N30 | 2" FNPT X 3" FNPT | 3.75 X 4.25 X 15.20 (Tall Bonnet) | J | 451-800 | 52 |
| N31 | 3" MNPT X 3" FNPT | 5.50 X 4.25 X 13.75 | J | 15-450 | 50 |
| | | | K | 15-285 | 50 |
| N32 | 3" MNPT X 3" FNPT | 5.50 X 4.25 X 16.95 (Tall Bonnet) | J | 451-800 | 56 |
| | | | K | 286-750 | 56 |

Table 3 - Inlet/Outlet Codes, Dimensions & Weights (Flanged)

| Inlet/Outlet Code | Inlet/Outlet | A, B, C Dims (inches) | Orifice Sizes | Pressure Range (psi) | Approximate Weight (lbs) |
|-------------------|--------------------------|-----------------------------------|---------------|----------------------|--------------------------|
| F01 | 3/4" 150 X 1" 150 | 4.13 X 4.50 X 9.00 | D | 15-285 | 9 |
| F02 | 3/4" 300 X 1" 150 | 4.13 X 4.50 X 9.00 | D | 15-740 | 10 |
| F03 | 3/4" X 600 X 1" 150 | 4.13 X 4.50 X 9.00 | D | 15-1480 | 11 |
| F04 | 3/4" 900/1500 X 1" 300 | 4.13 X 4.50 X 9.00 | D | 15-3000 | 14 |
| F05 | 1" 150 X 1" 150 | 4.13 X 4.50 X 9.00 | D, E | 15-285 | 12 |
| F06 | 1" 300 X 1" 150 | 4.13 X 4.50 X 9.00 | D, E | 15-740 | 13 |
| F07 | 1" 600 X 1" 150 | 4.13 X 4.50 X 9.00 | D, E | 15-1480 | 14 |
| F08 | 1" 900/1500 X 1" 300 | 4.13 X 4.50 X 9.00 | D | 15-3000 | 18 |
| | | | E | 15-2400 | 18 |
| F13 | 1" 150 X 2" 150 | 4.13 X 4.50 X 9.00 | D, E | 15-285 | 14 |
| F14 | 1" 300 X 2" 150 | 4.13 X 4.50 X 9.00 | D, E | 15-740 | 15 |
| F15 | 1" 600 X 2" 150 | 4.75 X 4.50 X 9.00 | D, E | 15-1480 | 16 |
| F16 | 1" 900/1500 X 2" 300 | 5.25 X 5.50 X 10.88 | D | 15-3000 | 24 |
| | | | E | 15-2400 | 24 |
| F17 | 1 1/2" 150 X 2" 150 | 4.88 X 4.75 X 9.75 | D, E | 15-285 | 22 |
| F18 | 1 1/2" 300 X 2" 150 | 4.88 X 4.75 X 9.75 | D, E | 15-740 | 23 |
| F19 | 1 1/2" 600 X 2" 150 | 4.88 X 4.75 X 9.75 | D, E | 15-1480 | 24 |
| F20 | 1 1/2" 900/1500 X 2" 300 | 4.13 X 5.50 X 9.00 | D | 15-3000 | 32 |
| | | | E | 15-2400 | 32 |
| F21 | 1 1/2" 150 X 2" 150 | 4.88 X 4.75 X 10.50 | F, G | 15-285 | 22 |
| F22 | 1 1/2" 300 X 2" 150 | 4.88 X 6.00 X 10.50 | F, G | 15-740 | 25 |
| F23 | 1 1/2" 600 X 2" 150 | 4.88 X 6.00 X 10.50 | F, G | 15-1480 | 25 |
| F24 | 1 1/2" 900/1500 X 2" 300 | 5.88 X 6.00 X 11.50 | F | 15-2400 | 33 |
| | | | G | 15-2000 | 33 |
| F25 | 1 1/2" 150 X 3" 150 | 4.88 X 4.75 X 10.50 | F, G | 15-285 | 35 |
| F26 | 1 1/2" 300 X 3" 150 | 4.88 X 6.00 X 10.50 | F, G | 15-740 | 38 |
| F27 | 1 1/2" 600 X 3" 150 | 4.88 X 6.00 X 10.50 | F, G | 15-1480 | 38 |
| F28 | 1 1/2" 900/1500 X 3" 300 | 4.88 X 6.50 X 10.50 | F | 15-2400 | 50 |
| | | | G | 15-2000 | 50 |
| F29 | 1 1/2" 150 X 2" 150 | 4.88 X 4.75 X 12.63 | H | 15-285 | 34 |
| F30 | 1 1/2" 300 X 2" 150 | 4.88 X 4.75 X 12.63 | H | 15-740 | 38 |
| F31 | 1 1/2" 600 X 2" 150 | 4.88 X 4.75 X 12.63 | H | 15-850 | 38 |
| F85 | 1 1/2" 900/1500 x 2" 300 | 5.88 X 6.00 X 16.19 | H | 851-2000 | 51 |
| F32 | 1 1/2" 150 X 3" 150 | 5.13 X 4.88 X 12.88 | H | 15-285 | 38 |
| F33 | 1 1/2" 300 X 3" 150 | 5.13 X 4.88 X 12.88 | H | 15-740 | 42 |
| F34 | 2" 150 X 2" 150 | 4.88 X 4.75 X 10.50 | F, G | 15-285 | 34 |
| F35 | 2" 300 X 2" 150 | 4.88 X 4.75 X 10.50 | F, G | 15-740 | 36 |
| F36 | 2" 600 X 2" 150 | 5.38 X 6.00 X 11.00 | F, G | 15-1480 | 38 |
| F37 | 2" 900/1500 X 2" 300 | 6.06 X 6.00 X 11.69 | F | 15-2400 | 55 |
| | | | G | 15-2000 | 55 |
| F38 | 2" 150 X 2" 150 | 4.88 X 4.75 X 12.63 | H | 15-285 | 36 |
| F39 | 2" 300 X 2" 150 | 4.88 X 4.75 X 12.63 | H | 15-740 | 38 |
| F40 | 2" 600 X 2" 150 | 4.88 X 6.00 X 12.63 | H | 15-850 | 40 |
| F41 | 2" 150 X 2 1/2" 150 | 4.88 X 4.75 X 12.63 | H | 15-285 | 39 |
| F42 | 2" 300 X 2 1/2" 150 | 4.88 X 4.75 X 12.63 | H | 15-740 | 40 |
| F43 | 2" 600 X 2 1/2" 150 | 4.88 X 6.00 X 12.63 | H | 15-850 | 42 |
| F44 | 2" 600 X 2 1/2" 150 | 4.88 X 6.00 X 15.19 (Tall Bonnet) | H | 851-1480 | 47 |
| F45 | 2" 900 X 2 1/2" 150 | 6.06 X 6.00 X 16.38 (Tall Bonnet) | H | 851-2000 | 65 |
| F46 | 2" 150 X 3" 150 | 4.88 X 5.38 X 10.50 | F, G | 15-285 | 38 |
| F47 | 2" 300 X 3" 150 | 4.88 X 5.38 X 10.50 | F, G | 15-740 | 40 |

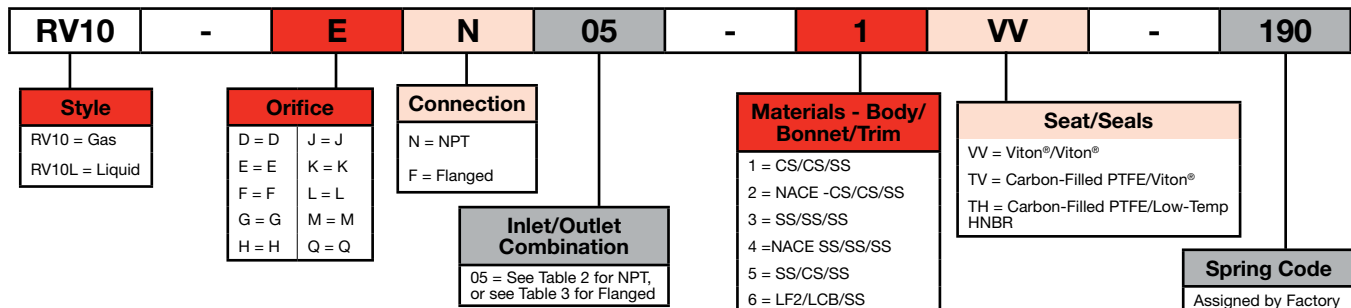
| Inlet/Outlet Code | Inlet/Outlet | A, B, C Dims (inches) | Orifice Sizes | Pressure Range (psi) | Approximate Weight (lbs) |
|-------------------|----------------------|-----------------------------------|---------------|----------------------|--------------------------|
| F48 | 2" 600 X 3" 150 | 6.06 X 6.38 X 11.69 | F, G | 15-1480 | 42 |
| F49 | 2" 900/1500 X 3" 300 | 6.06 X 6.38 X 11.69 | F | 15-2400 | 60 |
| | | | G | 15-2000 | 60 |
| F71 | 2" 150 X 3" 150 | 6.06 X 4.75 X 13.75 | H | 15-285 | 40 |
| F72 | 2" 300 X 3" 150 | 5.13 X 4.88 X 12.88 | H | 15-740 | 42 |
| F73 | 2" 600 X 3" 150 | 6.06 X 6.38 X 13.69 | H | 15-850 | 44 |
| F74 | 2" 600 X 3" 150 | 6.06 X 6.38 X 16.38 (Tall Bonnet) | H | 851-1480 | 48 |
| F75 | 2" 900 X 3" 150 | 6.06 X 6.38 X 16.38 (Tall Bonnet) | H | 851-2000 | 66 |
| F50 | 2" 150 X 3" 150 | 5.38 X 4.88 X 13.75 | J | 15-285 | 61 |
| F51 | 2" 300 X 3" 150 | 5.38 X 4.88 X 13.75 | J | 15-450 | 62 |
| F52 | 2" 300 X 3" 150 | 5.38 X 4.88 X 16.88 (Tall Bonnet) | J | 451-740 | 69 |
| F53 | 2" 600 X 3" 150 | 5.38 X 4.88 X 16.88 (Tall Bonnet) | J | 451-1480 | 69 |
| F68 | 3" 150 X 4" 150 | 7.25 X 7.13 X 15.50 | J | 15-285 | 77 |
| F54 | 3" 300 X 4" 150 | 7.25 X 7.13 X 15.50 | J | 15-450 | 78 |
| F55 | 3" 300 X 4" 150 | 7.25 X 7.13 X 18.69 (Tall Bonnet) | J | 451-740 | 85 |
| F56 | 3" 150 X 4" 150 | 6.13 X 6.38 X 17.38 | K | 15-285 | 117 |
| F57 | 3" 300 X 4" 150 | 6.13 X 6.38 X 17.38 | K | 15-450 | 121 |
| F86 | 3" 300 X 4" 150 | 6.16 x 6.38 x 23.00 (Tall Bonnet) | K | 451-740 | 147 |
| F58 | 3" 600 X 4" 150 | 7.25 X 7.13 X 18.69 (Tall Bonnet) | J, K | 740-1480 | 88 |
| F59 | 3" 900 X 4" 150 | 7.25 X 7.13 X 18.69 (Tall Bonnet) | J | 1481-1800 | 97 |
| F60 | 3" 150 X 4" 150 | 6.13 X 6.50 X 17.38 | L | 15-285 | 124 |
| F61 | 3" 300 X 4" 150 | 6.13 X 6.50 X 17.38 | L | 15-300 | 128 |
| F62 | 4" 300 X 6" 150 | 7.06 X 7.13 X 17.38 | L | 15-300 | 144 |
| F64 | 4" 300 X 6" 150 | 7.06 X 7.13 X 23.06 (Tall Bonnet) | L | 301-740 | 174 |
| F65 | 4" 600 X 6" 150 | 7.06 X 8.00 X 23.06 (Tall Bonnet) | L | 601-1250 | 185 |
| F66 | 4" 150 X 6" 150 | 7.00 X 7.00 X 17.25 | M | 15-250 | 92 |
| F67 | 4" 150 X 6" 150 | 7.00 X 7.00 X 23.00 (Tall Bonnet) | M | 251-285 | 166 |
| F69 | 4" 300 X 6" 150 | 7.00 X 7.00 X 23.00 (Tall Bonnet) | M | 251-740 | 174 |
| F70 | 4" 600 X 6" 150 | 7.00 X 8.00 X 23.00 (Tall Bonnet) | M | 251-1000 | 184 |
| F80 | 6" 150 X 8" 150 | 9.44 X 9.50 X 26.39 | Q | 15-100 | 296 |
| F81 | 6" 150 X 8" 150 | 9.44 X 9.50 X 34.87(Tall Bonnet) | Q | 101-165 | 352 |
| F82 | 6" 300 X 8" 150 | 9.44 X 9.50 X 34.87(Tall Bonnet) | Q | 101-300 | 367 |
| F83 | 6" 600 X 8" 150 | 9.44 X 9.50 X 34.87(Tall Bonnet) | Q | 101-600 | 395 |

How to Order

Options are listed below. All configurations may not be available. Call your sales representative or FW Murphy for more information. Repair kits are available.

Example Model No. **RV10-EN05-1VV-190**

RV10 Series Relief Valve, E Orifice, 1" Male NPT Inlet X 1" Female NPT Outlet, Carbon Steel Body/Bonnet with Stainless Trim, Viton® Seat and Viton® Seals with a 86-190 PSI Spring



FW Murphy is the exclusive BMD distributor for new equipment packages.