

Butterfly Valve - Model 9000 & 9900

Coefficient of Flow (Cv) Value in US gallon per minute (gpm) for 150#

| Size | | Disc Angle (Degree of Opening) | | | | | | | | |
|------|------|---------------------------------|-------|-------|-------|--------|--------|--------|--------|--------|
| mm | in | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° |
| 2 | 50 | 2 | 6 | 13 | 26 | 40 | 57 | 79 | 97 | 101 |
| 2.5 | 65 | 3 | 10 | 22 | 43 | 67 | 96 | 134 | 165 | 172 |
| 3 | 80 | 5 | 13 | 29 | 56 | 87 | 124 | 173 | 213 | 222 |
| 4 | 100 | 9 | 26 | 57 | 109 | 170 | 244 | 339 | 418 | 435 |
| 6 | 150 | 24 | 73 | 158 | 304 | 473 | 678 | 945 | 1163 | 1211 |
| 8 | 200 | 43 | 129 | 280 | 541 | 840 | 1206 | 1680 | 2068 | 2154 |
| 10 | 250 | 70 | 211 | 457 | 882 | 1371 | 1968 | 2741 | 3373 | 3514 |
| 12 | 300 | 104 | 312 | 677 | 1307 | 2030 | 2914 | 4060 | 4997 | 5205 |
| 14 | 350 | 127 | 381 | 826 | 1595 | 2478 | 3552 | 4956 | 6100 | 6354 |
| 16 | 400 | 170 | 510 | 1105 | 2134 | 3315 | 4760 | 6630 | 8160 | 8500 |
| 18 | 450 | 210 | 629 | 1364 | 2633 | 4090 | 5873 | 8181 | 10069 | 10488 |
| 20 | 500 | 266 | 797 | 1728 | 3336 | 5183 | 7442 | 10365 | 12757 | 13289 |
| 24 | 600 | 401 | 1202 | 2603 | 5026 | 7810 | 11214 | 15620 | 19224 | 20025 |
| 26 | 650 | 453 | 1359 | 2943 | 5683 | 8830 | 12678 | 17659 | 21734 | 22640 |
| 28 | 700 | 534 | 1601 | 3468 | 6696 | 10404 | 14940 | 20809 | 25611 | 26678 |
| 30 | 750 | 621 | 1863 | 4036 | 7792 | 12107 | 17385 | 24214 | 29802 | 31044 |
| 32 | 800 | 710 | 2130 | 4616 | 8912 | 13847 | 19883 | 27694 | 34085 | 35505 |
| 34 | 850 | 798 | 2395 | 5188 | 10018 | 15565 | 22350 | 31131 | 38315 | 39911 |
| 36 | 900 | 968 | 2903 | 6290 | 12145 | 18869 | 27094 | 37738 | 46447 | 48382 |
| 40 | 1000 | 1220 | 3659 | 7928 | 15307 | 23783 | 34151 | 47567 | 58544 | 60983 |
| 42 | 1050 | 1306 | 3918 | 8488 | 16389 | 25464 | 36564 | 50929 | 62681 | 65293 |
| 44 | 1100 | 1426 | 4277 | 9268 | 17894 | 27803 | 39922 | 55606 | 68438 | 71290 |
| 48 | 1200 | 1545 | 4636 | 10045 | 19395 | 30135 | 43271 | 60271 | 74179 | 77270 |
| 52 | 1300 | 2001 | 6003 | 13007 | 25114 | 39022 | 56031 | 78044 | 96054 | 100056 |
| 56 | 1400 | 2333 | 6999 | 15165 | 29279 | 45494 | 65324 | 90987 | 111984 | 116650 |
| 60 | 1500 | 2484 | 7451 | 16143 | 31168 | 48429 | 69539 | 96858 | 119210 | 124177 |
| 64 | 1600 | 3061 | 9184 | 19898 | 38419 | 59695 | 85715 | 119389 | 146941 | 153063 |
| 72 | 1800 | 4059 | 12178 | 26385 | 50943 | 79154 | 113657 | 158308 | 194841 | 202959 |
| 76 | 1900 | 4503 | 13508 | 29266 | 56506 | 87799 | 126070 | 175598 | 216120 | 225125 |
| 80 | 2000 | 4984 | 14952 | 32395 | 62548 | 97186 | 139549 | 194371 | 239226 | 249194 |
| 88 | 2200 | 6059 | 18176 | 39382 | 76038 | 118146 | 169646 | 236292 | 290821 | 302939 |

NOTE :-

* The Coefficient of Flow (Cv) is defined in U.S. gallon per minute of water required to pass through a valve with a pressure drop of 1 psi.

* INVACO reserve the right to change any information without prior notice.



Butterfly Valve - Model 9000 & 9900

Coefficient of Flow (Cv) Value in US gallon per minute (gpm) for 300#

| Size | | Disc Angle (Degree of Opening) | | | | | | | | |
|------|------|---------------------------------|------|-------|-------|-------|-------|-------|--------|--------|
| mm | in | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° |
| 2 | 50 | 2 | 6 | 13 | 25 | 40 | 57 | 79 | 97 | 101 |
| 2.5 | 65 | 3 | 10 | 22 | 43 | 67 | 96 | 134 | 165 | 172 |
| 3 | 80 | 4 | 13 | 29 | 56 | 87 | 124 | 173 | 213 | 222 |
| 4 | 100 | 9 | 26 | 57 | 109 | 170 | 245 | 339 | 418 | 435 |
| 6 | 150 | 23 | 71 | 153 | 295 | 459 | 659 | 918 | 1130 | 1177 |
| 8 | 200 | 40 | 120 | 261 | 503 | 782 | 1123 | 1564 | 1925 | 2005 |
| 10 | 250 | 68 | 205 | 445 | 859 | 1335 | 1917 | 2671 | 3287 | 3424 |
| 12 | 300 | 99 | 297 | 644 | 1243 | 1913 | 2773 | 3863 | 4754 | 4952 |
| 14 | 350 | 125 | 374 | 810 | 1565 | 2431 | 3491 | 4862 | 5984 | 6233 |
| 16 | 400 | 168 | 503 | 1090 | 2104 | 3270 | 4695 | 6539 | 8049 | 8384 |
| 18 | 450 | 203 | 608 | 1317 | 2542 | 3950 | 5672 | 7901 | 9724 | 10129 |
| 20 | 500 | 257 | 770 | 1668 | 3220 | 5003 | 7183 | 10005 | 12314 | 12827 |
| 24 | 600 | 389 | 1168 | 2530 | 4884 | 7589 | 10897 | 15177 | 18680 | 19458 |
| 26 | 650 | 423 | 1270 | 2749 | 5308 | 8248 | 11843 | 16495 | 20302 | 21148 |
| 28 | 700 | 518 | 1554 | 3367 | 6500 | 10100 | 14503 | 20200 | 24862 | 25898 |
| 30 | 750 | 617 | 1849 | 4007 | 7736 | 12021 | 17260 | 24041 | 29589 | 30822 |
| 32 | 800 | 697 | 2091 | 4530 | 8745 | 13588 | 19512 | 27177 | 33448 | 34842 |
| 34 | 850 | 774 | 2322 | 5032 | 9717 | 15097 | 21678 | 30195 | 37163 | 38711 |
| 36 | 900 | 935 | 2804 | 6075 | 11730 | 18225 | 26169 | 36450 | 44862 | 46731 |
| 40 | 1000 | 1188 | 3563 | 7719 | 14903 | 23156 | 33250 | 46313 | 57000 | 59375 |
| 42 | 1050 | 1296 | 3887 | 8421 | 16259 | 25263 | 36276 | 50527 | 62187 | 64778 |
| 48 | 1200 | 1537 | 4611 | 9990 | 19289 | 29972 | 43036 | 59943 | 73776 | 76850 |
| 56 | 1400 | 2312 | 6937 | 15030 | 29020 | 45091 | 64746 | 90182 | 110993 | 115618 |
| 60 | 1500 | 2455 | 7366 | 15959 | 30812 | 47876 | 68745 | 95751 | 117848 | 122758 |

NOTE :-

* The Coefficient of Flow (Cv) is defined in U.S. gallon per minute of water required to pass through a valve with a pressure drop of 1 psi.

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Butterfly Valve - Model 900 & 9900

Coefficient of Flow (Cv) Value in US gallon per minute (gpm) for 600#

| Size | | Disc Angle (Degree of Opening) | | | | | | | | |
|------|-----|---------------------------------|------|------|------|-------|-------|-------|-------|-------|
| mm | in | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° |
| 2 | 50 | 2 | 6 | 12 | 24 | 37 | 53 | 74 | 91 | 95 |
| 3 | 80 | 4 | 12 | 26 | 50 | 78 | 111 | 155 | 191 | 199 |
| 4 | 100 | 8 | 24 | 52 | 100 | 155 | 223 | 310 | 382 | 398 |
| 6 | 150 | 20 | 62 | 133 | 258 | 400 | 575 | 800 | 985 | 1026 |
| 8 | 200 | 36 | 108 | 233 | 451 | 701 | 1006 | 1401 | 1724 | 1796 |
| 10 | 250 | 56 | 167 | 361 | 698 | 1084 | 1557 | 2168 | 2669 | 2780 |
| 12 | 300 | 96 | 289 | 626 | 1208 | 1877 | 2695 | 3753 | 4620 | 4812 |
| 14 | 350 | 122 | 364 | 790 | 1525 | 2369 | 3402 | 4739 | 5832 | 6075 |
| 16 | 400 | 164 | 492 | 1066 | 2058 | 3198 | 4592 | 6396 | 7872 | 8200 |
| 18 | 450 | 200 | 599 | 1297 | 2504 | 3891 | 5587 | 7781 | 9577 | 9976 |
| 20 | 500 | 203 | 610 | 1322 | 2552 | 3966 | 5695 | 7932 | 9762 | 10169 |
| 24 | 600 | 348 | 1044 | 2263 | 4369 | 6789 | 9748 | 13578 | 16712 | 17408 |
| 28 | 700 | 463 | 1390 | 3012 | 5816 | 9036 | 12975 | 18073 | 22243 | 23170 |
| 30 | 750 | 548 | 1645 | 3564 | 6881 | 10692 | 15353 | 21384 | 26319 | 27416 |

NOTE :-

- * The Coefficient of Flow (Cv) is defined in U.S. gallon per minute of water required to pass through a valve with a pressure drop of 1 psi.
- * INVACO reserve the right to change any information without prior notice.