

VALVES WORKING WELL ON LINE AT CUSTOMER PLACE FOR OVER 11 YEARS



Sri Ranganathar Valves (P) Ltd.

Quality flow in every valve

Sri Ranganathar Valves Pvt. Ltd
7/109, Arasur,
Coimbatore - 641 047
Tamilnadu, INDIA.

Phone : +(91) - 422 - 6556061
Email : srv@sriindia.net



DUAL PLATE CHECK VALVE

ISO 9001 : 2015 | PED | API 6D CERTIFIED

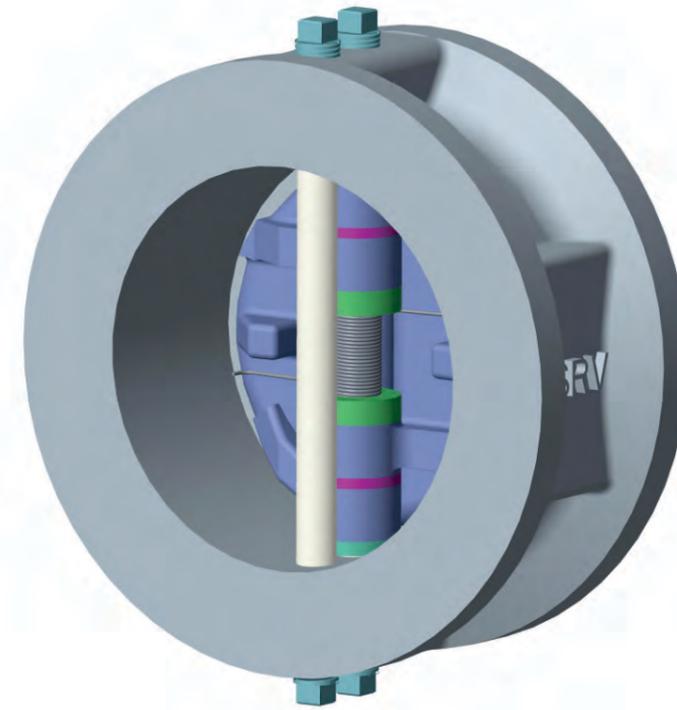
DUAL PLATE CHECK VALVE

- MEETS API 594
- INCONEL SPRINGS
- CLOSELY HELD DISC BY PIN & END BEARING AND INTERMEDIATE BEARING WASHERS
- AS LOW AS 0.5 BAR CRACKING PRESSURE
- POSITIVE CLOSURE DUE TO SPRINGS, WHEN REVERSE FLOW TAKES PLACE
- REDUCED PORT
- WAFER STYLE, RF, RTJ, FULL LUGGED & DOUBLE FLANGED AVAILABLE
- VALGANISED EPDM, VITON, NBR & NEOPRENE SEATS AVAILABLE
- ALL GRADES OF ASTM 216,217,351,352,494 & 995 AVAILABLE
- LAPPED BODY SEAT AND DISC SEAT
- WORKING ALL OVER THE WORLD FOR THE PAST 11YEARS VALVES

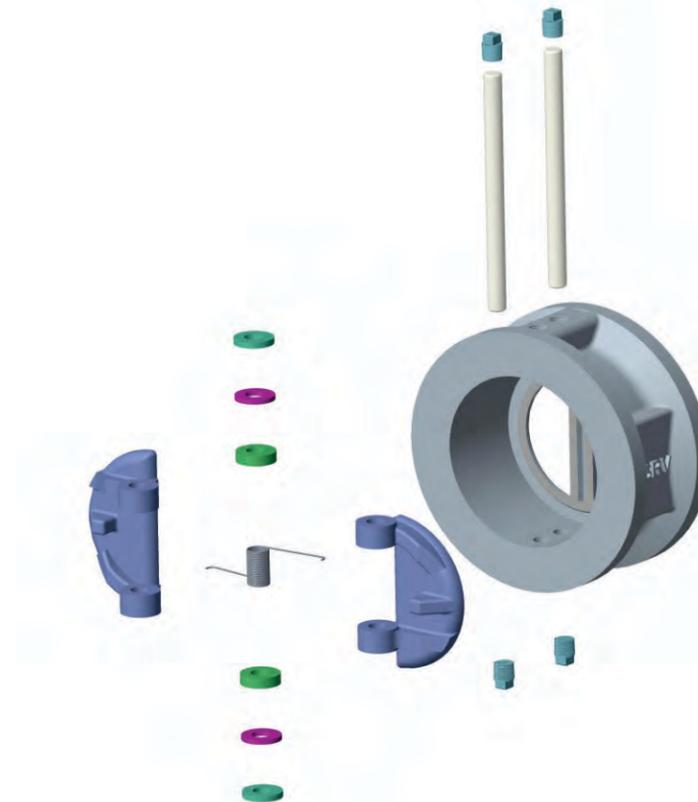
MADE TO DIFFERENT BRANDS, MATERIALS AND END CONNECTIONS



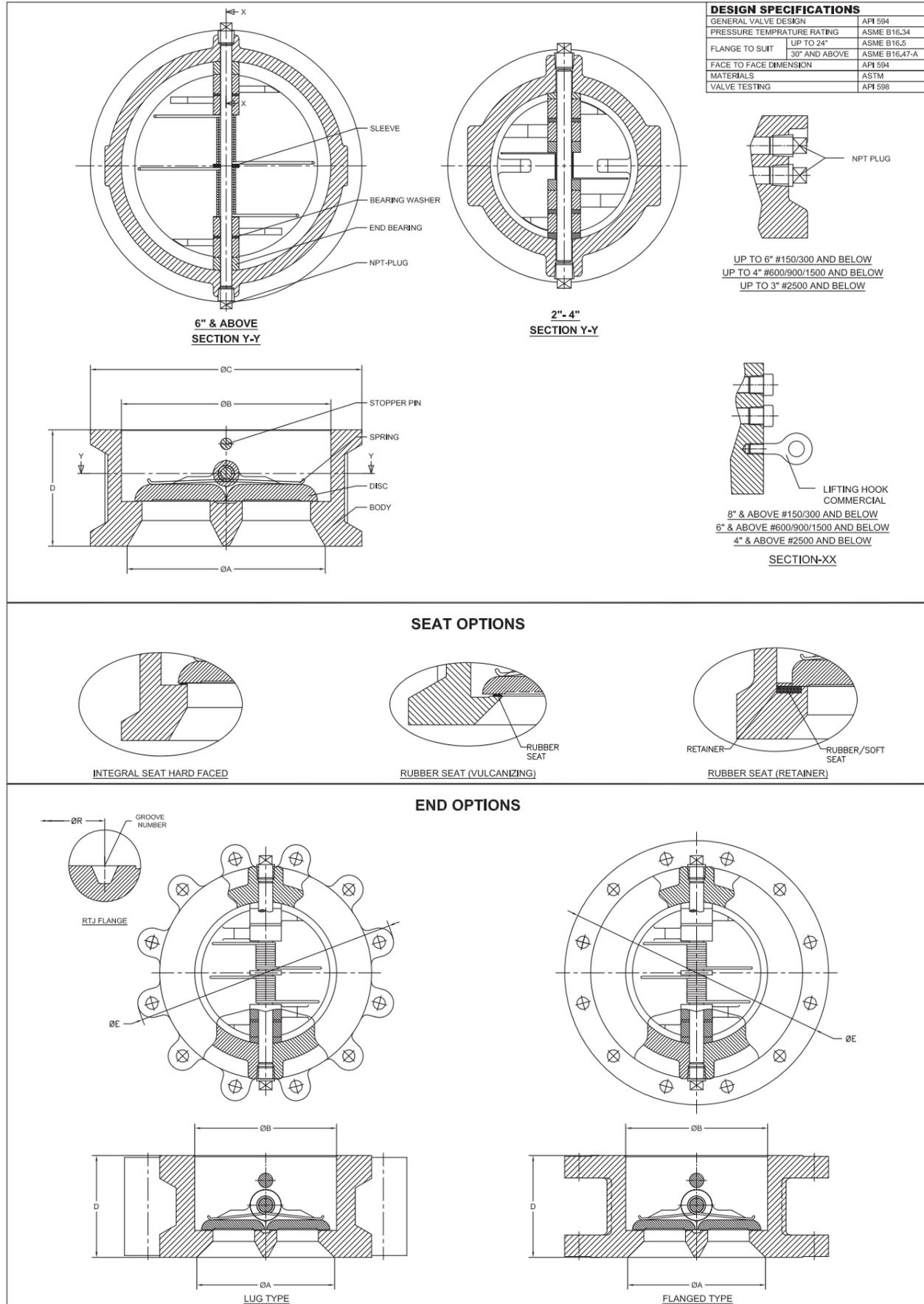
SOLID MODEL OF DUAL PLATE CHECK VALVE



EXPLODED VIEW OF DUAL PLATE CHECK VALVE



GENERAL ASSEMBLY



DIMENSIONS

| CLASS 150 | SIZE | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 24 | 30 | 36 | 42 | 48 | 54 | 60 |
|-------------------|------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | ØA | INCH | 2.22 | 2.291 | 2.88 | 4.40 | 4.874 | 6.00 | 7.91 | 9.88 | 12.12 | 14.29 | 14.90 | 17.25 | 19.31 | 22.24 | 29.00 | 34.37 | 41.25 | 47.25 | 53.25 |
| | mm | 56.40 | 58.20 | 73.30 | 111.80 | 123.80 | 152.40 | 201.10 | 251.00 | 308.00 | 363.00 | 378.60 | 438.15 | 490.5 | 565.00 | 736.60 | 873.10 | 1047.8 | 1200.2 | 1352.6 | 1505.0 |
| ØB | INCH | 2.39 | 2.87 | 3.49 | 4.51 | 5.622 | 6.61 | 8.63 | 10.75 | 12.81 | 14.00 | 16.00 | 17.04 | 20.02 | 24.00 | 29.93 | 36.02 | 42.00 | 48.00 | 54.00 | 60.00 |
| | mm | 60.90 | 73.00 | 88.80 | 114.80 | 142.80 | 168.00 | 219.30 | 273.10 | 325.60 | 355.60 | 406.60 | 433.00 | 508.70 | 609.60 | 760.40 | 915.00 | 1066.8 | 1219.2 | 1371.6 | 1524.0 |
| ØC | INCH | 4.13 | 4.88 | 5.38 | 6.88 | 7.75 | 8.75 | 11.00 | 13.38 | 16.13 | 17.75 | 20.25 | 21.63 | 23.88 | 28.25 | 34.75 | 41.25 | 47.75 | 54.25 | 60.75 | 67.25 |
| | mm | 105.00 | 124.0 | 137.0 | 175.0 | 197.0 | 222.0 | 279.0 | 340.0 | 410.0 | 451.0 | 514.0 | 549.0 | 606.0 | 718.0 | 883.0 | 1048.0 | 1203.0 | 1358.0 | 1513.0 | 1668.0 |
| D | INCH | 2.38 | 2.62 | 2.88 | 2.88 | 3.38 | 3.88 | 5.00 | 5.75 | 7.12 | 7.25 | 7.50 | 8.00 | 8.62 | 8.75 | 12.00 | 14.50 | 17.00 | 20.63 | 21.25 | 26.00 |
| | mm | 60.50 | 66.55 | 73.15 | 73.15 | 86.00 | 98.55 | 127.00 | 146.05 | 180.84 | 184.15 | 190.50 | 203.20 | 218.94 | 222.25 | 304.80 | 368.30 | 431.8 | 524.0 | 539.8 | 660.4 |
| ØE | INCH | 6.00 | 7.00 | 7.50 | 9.00 | 10.00 | 11.00 | 13.50 | 16.00 | 19.00 | 21.00 | 23.50 | 25.00 | 27.50 | 32.00 | 38.75 | 46.00 | 53.00 | 59.50 | 66.25 | 73.00 |
| | mm | 152.40 | 177.8 | 190.50 | 228.60 | 254.0 | 279.40 | 342.90 | 406.40 | 482.60 | 533.40 | 596.90 | 635.00 | 698.50 | 812.80 | 984.25 | 1168.4 | 1346.2 | 1511.3 | 1682.8 | 1854.2 |
| RTJ Groove Number | | 22 | 25 | 29 | 36 | 40 | 43 | 48 | 52 | 56 | 59 | 64 | 68 | 72 | 76 | -- | -- | -- | -- | -- | -- |
| ØR | INCH | 3.250 | 4.00 | 4.50 | 5.875 | 6.750 | 7.625 | 9.75 | 12.00 | 15.00 | 16.625 | 17.875 | 20.375 | 22.00 | 26.5 | -- | -- | -- | -- | -- | -- |
| | mm | 82.55 | 101.6 | 114.3 | 149.22 | 171.45 | 193.67 | 247.65 | 304.8 | 381.00 | 396.87 | 454.00 | 517.52 | 558.8 | 673.1 | -- | -- | -- | -- | -- | -- |

| CLASS 300 | SIZE | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 24 | 30 | 36 | 42 | 48 | 54 | 60 |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| | ØA | INCH | 2.22 | 2.291 | 2.88 | 4.40 | 4.874 | 6.00 | 7.91 | 9.88 | 12.12 | 14.29 | 14.90 | 17.25 | 19.31 | 22.24 | 29.00 | 35.00 | 41.00 | 47.00 | 53.00 |
| | mm | 56.4 | 58.2 | 73.3 | 111.8 | 123.8 | 152.4 | 201.1 | 251.0 | 308.0 | 363.0 | 378.6 | 438.2 | 490.5 | 565.0 | 736.6 | 889.0 | 1041.4 | 1193.8 | 1346.2 | 1498.6 |
| ØB | INCH | 2.39 | 2.874 | 3.49 | 4.51 | 5.622 | 6.61 | 8.63 | 10.75 | 12.81 | 14.00 | 16.00 | 17.04 | 20.02 | 24.00 | 29.93 | 36.00 | 42.00 | 48.00 | 54.00 | 60.00 |
| | mm | 60.90 | 73.00 | 88.80 | 114.80 | 142.80 | 168.00 | 219.30 | 273.10 | 325.60 | 355.60 | 406.60 | 433.00 | 508.70 | 609.60 | 760.40 | 914.4 | 1066.8 | 1219.2 | 1371.6 | 1524.0 |
| ØC | INCH | 4.38 | 5.13 | 5.88 | 7.13 | 8.50 | 9.88 | 12.13 | 14.25 | 16.63 | 19.13 | 21.25 | 23.50 | 25.75 | 30.50 | 37.50 | 44.00 | 50.50 | 57.00 | 63.50 | 70.00 |
| | mm | 111.0 | 130.0 | 149.0 | 181.0 | 216.0 | 251.0 | 308.0 | 362.0 | 422.0 | 486.0 | 540.0 | 597.0 | 654.0 | 775.0 | 952.5 | 1117.6 | 1282.7 | 1447.8 | 1612.9 | 1778.0 |
| D | INCH | 2.38 | 2.62 | 2.88 | 2.88 | 3.38 | 3.88 | 5.00 | 5.75 | 7.12 | 7.25 | 7.50 | 8.00 | 8.62 | 8.75 | 12.00 | 14.50 | 17.00 | 20.63 | 21.25 | 26.00 |
| | mm | 60.50 | 66.55 | 73.15 | 73.15 | 86.00 | 98.55 | 127.00 | 146.05 | 180.84 | 184.15 | 190.50 | 203.20 | 218.94 | 222.25 | 304.80 | 368.30 | 431.8 | 524.0 | 539.8 | 660.4 |
| ØE | INCH | 6.50 | 7.50 | 8.25 | 10.00 | 11.00 | 12.50 | 15.00 | 17.50 | 20.50 | 23.00 | 25.50 | 28.00 | 30.50 | 36.00 | 47.50 | 60.00 | 72.50 | 85.00 | 97.50 | 110.00 |
| | mm | 165.10 | 190.50 | 209.55 | 254.00 | 279.4 | 317.50 | 381.00 | 444.25 | 520.70 | 584.20 | 647.70 | 711.20 | 774.70 | 914.40 | 1206.5 | 1270.0 | 1289.1 | 1466.9 | 1657.4 | 1809.8 |
| RTJ Groove Number | | 23 | 26 | 30 | 37 | 41 | 45 | 49 | 53 | 57 | 61 | 65 | 69 | 73 | 77 | 95 | 98 | -- | -- | -- | -- |
| ØR | INCH | 3.25 | 4.00 | 4.625 | 5.875 | 7.125 | 8.312 | 10.625 | 12.750 | 15.000 | 16.500 | 18.500 | 21.000 | 23.000 | 27.250 | 33.750 | 40.250 | -- | -- | -- | -- |
| | mm | 82.55 | 101.6 | 117.47 | 149.22 | 180.97 | 211.12 | 269.87 | 323.85 | 381.00 | 419.10 | 469.9 | 533.4 | 584.2 | 692.15 | 857.25 | 1022.35 | -- | -- | -- | -- |

| CLASS 600 | SIZE | 2 | 2 1/2 | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 24 | 30 | 36 | 42 | 48 |
|-------------------|------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|
| | ØA | INCH | 2.22 | 2.29 | 2.88 | 4.40 | 6.00 | 7.91 | 9.88 | 12.12 | 14.29 | 14.90 | 17.25 | 19.31 | 22.24 | 27.37 | 32.62 | 38.00 |
| | mm | 56.4 | 58.2 | 73.3 | 111.8 | 152.4 | 201.1 | 251.0 | 308.0 | 363.0 | 378.6 | 438.2 | 490.5 | 565.0 | 695.2 | 828.5 | 965.2 | 1104.9 |
| ØB | INCH | 2.39 | 2.87 | 3.49 | 4.51 | 6.61 | 8.63 | 10.75 | 12.81 | 14.00 | 16.00 | 17.32 | 20.02 | 24.00 | 28.94 | 34.44 | 40.19 | 45.94 |
| | mm | 60.9 | 73.0 | 88.8 | 114.8 | 168.0 | 219.3 | 273.1 | 325.6 | 355.6 | 406.6 | 440.0 | 508.7 | 609.6 | 735.1 | 874.8 | 1020.8 | 1166.9 |
| ØC | INCH | 4.38 | 5.13 | 5.88 | 7.63 | 10.50 | 12.64 | 15.75 | 18.00 | 19.38 | 22.25 | 24.13 | 26.88 | 31.13 | 38.25 | 44.50 | 48.00 | 54.75 |
| | mm | 111.0 | 130.0 | 149.0 | 194.0 | 267.0 | 321.0 | 400.0 | 457.0 | 492.0 | 565.0 | 613.0 | 683.0 | 791.0 | 971.6 | 1130.3 | 1219.2 | 1390.7 |
| D | INCH | 2.38 | 2.62 | 2.88 | 3.12 | 5.38 | 6.50 | 8.38 | 9.00 | 10.75 | 12.00 | 14.25 | 14.50 | 17.25 | 19.88 | 25.00 | 27.63 | 31.00 |
| | mm | 60.5 | 66.6 | 73.2 | 79.3 | 136.7 | 165.1 | 212.9 | 228.6 | 273.1 | 304.8 | 362.0 | 368.3 | 438.2 | 505.0 | 635.0 | 701.8 | 787.4 |
| ØE | INCH | 6.50 | 7.50 | 8.25 | 10.75 | 14.00 | 16.50 | 20.00 | 22.00 | 23.75 | 27.00 | 29.25 | 32.00 | 37.00 | 43.00 | 50.00 | 50.75 | 57.75 |
| | mm | 165.1 | 190.5 | 209.6 | 273.1 | 355.6 | 419.1 | 508.0 | 558.8 | 603.3 | 685.8 | 743.0 | 812.8 | 939.8 | 1092.2 | 1270.0 | 1289.1 | 1466.9 |
| RTJ Groove Number | | 23 | 26 | 30 | 37 | 45 | 49 | 53 | 57 | 61 | 65 | 69 | 73 | 77 | 95 | 98 | -- | -- |
| ØR | INCH | 3.25 | 4.00 | 4.625 | 5.875 | 8.312 | 10.625 | 12.750 | 15.000 | 16.500 | 18.500 | 21.000 | 23.000 | 27.250 | 33.750 | 40.250 | -- | -- |
| | mm | 82.55 | 101.6 | 117.47 | 149.22 | 211.12 | 269.87 | 323.85 | 381.00 | 419.10 | 469.9 | 533.4 | 584.2 | 692.15 | 857.25 | 1022.35 | -- | -- |

| CLASS 900 | SIZE | 2 | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 24 |
|-------------------|------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | ØA | INCH | 2.22 | 2.88 | 4.40 | 6.00 | 7.91 | 9.88 | 11.12 | 12.25 | 14.00 | 15.75 | 17.50 |
| | mm | 56.4 | 73.3 | 111.8 | 152.4 | 201.1 | 251.0 | 282.4 | 311.2 | 355.6 | 400.1 | 444.5 | 533.4 |
| ØB | INCH | 2.39 | 3.49 | 4.51 | 6.61 | 8.63 | 10.75 | 12.75 | 14.00 | 16.00 | 18.00 | 20.00 | 24.00 |
| | mm | 60.9 | 88.8 | 114.8 | 168.0 | 219.3 | 273.1 | 323.9 | 355.6 | 406.6 | 457.2 | 508.0 | 609.6 |
| ØC | INCH | 5.63 | 6.63 | 8.13 | 11.38 | 14.13 | 17.13 | 19.63 | 20.50 | 22.63 | 25.13 | 27.50 | 33.00 |
| | mm | 143.0 | 168.0 | 206.4 | 289.0 | 358.8 | 435.0 | 498.5 | 520.7 | 574.7 | 638.2 | 698.5 | 838.2 |
| D | INCH | 2.75 | 3.25 | 4.00 | 6.25 | 8.12 | 9.50 | 11.50 | 14.00 | 15.12 | 17.75 | 17.75 | 19.50 |
| | mm | 69.9 | 82.6 | 101.6 | 158.8 | 206.3 | 241.3 | 292.1 | 355.6 | 384.1 | 450.9 | 450.9 | 495.3 |
| ØE | INCH | 8.50 | 9.50 | 11.50 | 15.00 | 18.50 | 21.50 | 24.00 | 25.25 | 27.75 | 31.00 | 33.75 | 41.00 |
| | mm | 215.9 | 241.3 | 292.1 | 381.0 | 469.9 | 546.1 | 609.6 | 641.4 | 704.9 | 787.4 | 857.3 | 1041.4 |
| RTJ Groove Number | | 24 | 30 | 37 | 45 | 49 | 53 | 57 | 62 | 66 | 70 | 74 | 78 |
| ØR | INCH | 3.750 | 4.625 | 5.875 | 8.312 | 10.625 | 12.750 | 15.000 | 16.500 | 18.500 | 21.000 | 23.000 | 27.250 |
| | mm | 95.25 | 117.47 | 149.22 | 211.12 | 269.87 | 323.85 | 381.00 | 419.10 | 469.90 | 533.40 | 584.20 | 692.15 |

| CLASS 1500 | SIZE | 2 | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 24 |
|------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ØA | INCH | 2.22 | 2.88 | 4.40 | 6.00 | 7.91 | 9.88 | 11.12 | 12.25 | 14.00 | 15.75 | 17.50 |
| | mm | 56.4 | 73.3 | 111.8 | 152.4 | 201.1 | 251.0 | 282.4 | 311.2 | 355.6 | 400.1 | 444.5 | 533.4 |
| ØB | INCH | 2.39 | 3.49 | 4.51 | 6.61 | 8.63 | 10.75 | 12.75 | 14.00 | 16.00 | 18.00 | 20.00 | 24.00 |
| | mm | 60.9 | 88.8 | 114.8 | 168.0 | 219.3 | 273.1 | 323.9 | 355.6 | 406.6 | 457.2 | 508.0 | 609.6 |
| ØC | INCH | 5.63 | 6.88 | 8.25 | 11.13 | 13.88 | 17.13 | 20.50 | 22.75 | 25.25 | 27.75 | 29.75 | 35.50 |
| | mm | 142.9 | 174.6 | 209.6 | 282.6 | 352.4 | 435.0 | 520.7 | 577.9 | 641.4 | 704.9 | 757.7 | 901.7 |
| D | INCH | 2.75 | 3.25 | 4.00 | 6.25 | 8.12 | 9.75 | 12.00 | 14.00 | 15.12 | 18.44 | 21.00 | 22.00 |
| | mm | 69.9 | 82.6 | 101.6 | 158.8 | 206.0 | 247.7 | 304.8 | 355.6 | 384.1 | 468.4 | 533.4 | |

BILL OF MATERIALS

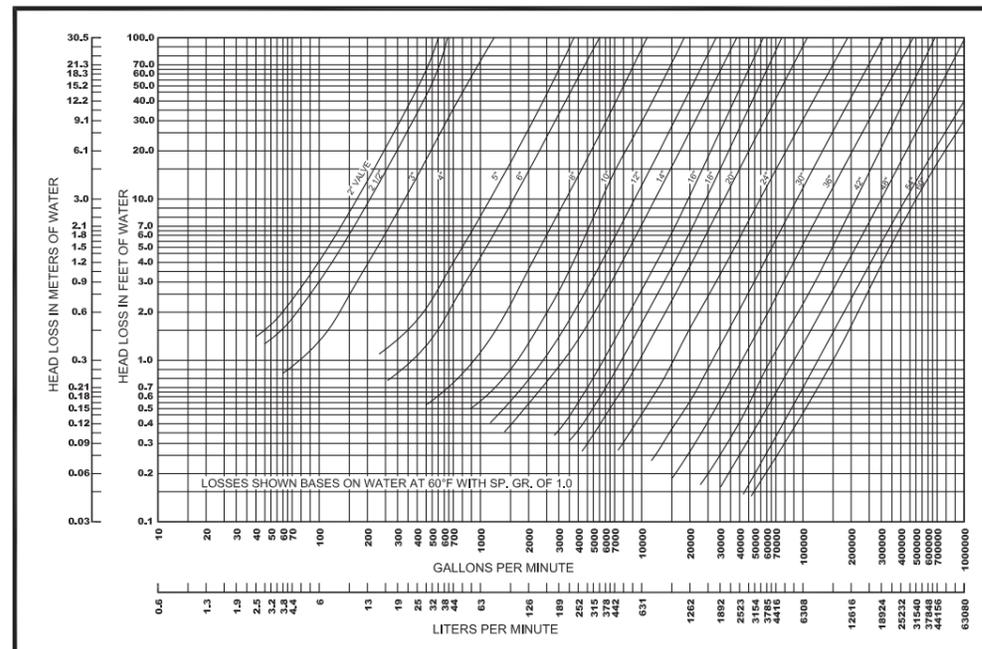
| PART NAME | A 216-WCB | WCC | A 217-WC6 | WC9 | A 217-C5 | C9 | C12 | A 352-LCB | LCC |
|----------------|------------------------------|------------|------------------------------|----------|------------------------------|---------|----------|------------------------------|------------------|
| BODY | A 216-WCB+SS 316 | WCC+SS 316 | A 217-WC6+ST-6 | WC9+ST-6 | A 217-C5+ST-6 | C9+ST-6 | C12+ST-6 | A 352-LCB+SS 316 | A 352-LCC+SS 316 |
| DISC | A 351-CF8M | | A 351-CF8M | | A 351-CF8M | | | A 351-CF8M | |
| SPRING | INCONEL X-750 | | INCONEL X-750 | | INCONEL X-750 | | | INCONEL X-750 | |
| NPT PLUG | SS 316 | | SS 316 | | SS 316 | | | SS 316 | |
| END BEARING | SS 316 | | SS 316 | | SS 316 | | | SS 316 | |
| BEARING WASHER | SS 316 | | SS 316 | | SS 316 | | | SS 316 | |
| SLEEVE | SS 316 | | SS 316 | | SS 316 | | | SS 316 | |
| RETAINER | A 351-CF8M | | A 351-CF8M | | A 351-CF8M | | | A 351-CF8M | |
| SOFT SEAT | PTFE / RTFE / KEL-F | | PTFE / RTFE / KEL-F | | PTFE / RTFE / KEL-F | | | PTFE / RTFE / KEL-F | |
| RUBBER SEAT | VITON / EPDM / NBR / SILICON | | VITON / EPDM / NBR / SILICON | | VITON / EPDM / NBR / SILICON | | | VITON / EPDM / NBR / SILICON | |

| PART NAME | A 351-CF8 | CF8M | A 351-CF3 | CF3M | A 351-CG8M | CG3M | A 351-CF8C | CN7M |
|----------------|------------------------------|------------|------------------------------|------------|------------------------------|------------|------------------------------|---------------|
| BODY | A 351-CF8 | A 351-CF8M | A 351-CF3 | A 351-CF3M | A 351-CG8M | A 351-CG3M | A 351-CF8C | A 351-CN7M |
| DISC | A 351-CF8 | A 351-CF8M | A 351-CF3 | A 351-CF3M | A 351-CG8M | A 351-CG3M | A 351-CF8C | A 351-CN7M |
| SPRING | INCONEL X-750 | | INCONEL X-750 | | INCONEL X-750 | | | INCONEL X-750 |
| NPT PLUG | SS 304 | SS 316 | SS 304L | SS 316L | SS 317 | SS 317L | SS 347 | A 20 |
| END BEARING | SS 304 | SS 316 | SS 304L | SS 316L | SS 317 | SS 317L | SS 347 | A 20 |
| BEARING WASHER | SS 304 | SS 316 | SS 304L | SS 316L | SS 317 | SS 317L | SS 347 | A 20 |
| SLEEVE | SS 304 | SS 316 | SS 304L | SS 316L | SS 317 | SS 317L | SS 347 | A 20 |
| RETAINER | A 351-CF8 | A 351-CF8M | A 351-CF3 | A 351-CF3M | A 351-CG8M | A 351-CG3M | A 351-CF8C | A 351-CN7M |
| SOFT SEAT | PTFE / RTFE / KEL-F | |
| RUBBER SEAT | VITON / EPDM / NBR / SILICON | | VITON / EPDM / NBR / SILICON | | VITON / EPDM / NBR / SILICON | | VITON / EPDM / NBR / SILICON | |

| PART NAME | A 351-CK3MCuN | CN3MN | A 995-4A | 6A | A 494 CZ100 | M35-1 | A 494 CW12MW | CW6MC |
|----------------|------------------------------|-------|------------------------------|--------|------------------------------|------------|------------------------------|---------------|
| BODY | A 351-CK3MCuN | CN3MN | A 995-4A | 6A | A 494 CZ100 | M35-1 | A 494 CW12MW | CW6MC |
| DISC | A 351-CK3MCuN | CN3MN | A 995-4A | 6A | A 494 CZ100 | M35-1 | A 494 CW12MW | CW6MC |
| SPRING | INCONEL X-750 | | INCONEL X-750 | | INCONEL X-750 | | | INCONEL X-750 |
| NPT PLUG | S31254 | AL6XN | S31803 | S32760 | UNS N02200 | UNS N04400 | UNS N10002 | UNS N06625 |
| END BEARING | S31254 | AL6XN | S31803 | S32760 | UNS N02200 | UNS N04400 | UNS N10002 | UNS N06625 |
| BEARING WASHER | S31254 | AL6XN | S31803 | S32760 | UNS N02200 | UNS N04400 | UNS N10002 | UNS N06625 |
| SLEEVE | S31254 | AL6XN | S31803 | S32760 | UNS N02200 | UNS N04400 | UNS N10002 | UNS N06625 |
| RETAINER | A 351-CK3MCuN | CN3MN | A 995-4A | 6A | A 494 CZ100 | M35-1 | A 494 CW12MW | CW6MC |
| SOFT SEAT | PTFE / RTFE / KEL-F | | PTFE / RTFE / KEL-F | | PTFE / RTFE / KEL-F | | PTFE / RTFE / KEL-F | |
| RUBBER SEAT | VITON / EPDM / NBR / SILICON | | VITON / EPDM / NBR / SILICON | | VITON / EPDM / NBR / SILICON | | VITON / EPDM / NBR / SILICON | |

TECHNICAL DATAS

Pressure Loss Information



- * The curves show pressure drops available with standard torque springs and the duo-check in horizontal flow.
- * Systems with drastic flow decelerations may require higher torque springs for faster valve response and to reduce waterhammer. Please consult the factory.
- * Each piping system has a unique geometry which should be evaluated whenever the liquid media velocity exceeds 8 feet /second (2.4m/sec) through a swage or expansion (15° or greater included angle) directly upstream of the valve. Where practicable, a minimum of five (5) pipe diameters distance should be maintained between the valve and the pump discharge and pipe fittings (swages or expansion) for maximum service life.

TECHNICAL DATAS

| SIZE | | Cracking Pressure (PSI) | | |
|------|------|-------------------------|------------|-------------|
| INCH | mm | Standard Torque | Low Torque | Min. Torque |
| 2 | 50 | 0.23 | 0.13 | 0.05 |
| 2½ | 65 | 0.26 | 0.12 | 0.04 |
| 3 | 80 | 0.21 | 0.16 | 0.04 |
| 4 | 100 | 0.22 | 0.11 | 0.05 |
| 5 | 125 | 0.18 | 0.09 | 0.04 |
| 6 | 150 | 0.14 | 0.07 | 0.04 |
| 8 | 200 | 0.19 | 0.10 | 0.04 |
| 10 | 250 | 0.18 | 0.10 | 0.04 |
| 12 | 300 | 0.17 | 0.07 | 0.04 |
| 14 | 350 | 0.15 | 0.06 | 0.04 |
| 16 | 400 | 0.16 | 0.08 | 0.03 |
| 18 | 450 | 0.15 | 0.07 | 0.03 |
| 20 | 500 | 0.13 | 0.06 | 0.03 |
| 24 | 600 | 0.10 | 0.05 | 0.03 |
| 30 | 750 | 0.08 | 0.05 | 0.03 |
| 36 | 900 | 0.08 | 0.05 | 0.03 |
| 42 | 1050 | 0.06 | 0.05 | 0.03 |
| 48 | 1200 | 0.06 | 0.05 | 0.03 |
| 54 | 1350 | 0.05 | 0.04 | 0.03 |
| 60 | 1500 | 0.05 | 0.04 | 0.03 |

| CV Value | | |
|----------|-------|---------|
| SIZE | CLASS | 150-300 |
| 2 | 50 | 75 |
| 2½ | 65 | 95 |
| 3 | 80 | 191 |
| 4 | 100 | 377 |
| 5 | 125 | 599 |
| 6 | 150 | 821 |
| 8 | 200 | 1590 |
| 10 | 250 | 2920 |
| 12 | 300 | 4470 |
| 14 | 350 | 5870 |
| 16 | 400 | 8690 |
| 18 | 450 | 10940 |
| 20 | 500 | 14290 |
| 24 | 600 | 23000 |
| 30 | 750 | 37200 |
| 36 | 900 | 59000 |
| 42 | 1050 | 92000 |
| 48 | 1200 | 126000 |
| 54 | 1350 | 186000 |
| 60 | 1500 | 217000 |

- * Spring cracking pressure is the pressure required to lift the plates off the seat.
- * Other springs available, consult factory.

| SIZE | | Valve weight | | | | | | | | | | | |
|-------|------|--------------|--------|-------|--------|-------|--------|------|--------|------|-------|------|-------|
| INCH | mm | 150 | | 300 | | 600 | | 900 | | 1500 | | 2500 | |
| | | Kgs | lbs | Kgs | lbs | Kgs | lbs | Kgs | lbs | Kgs | lbs | Kgs | lbs |
| 2 | 50 | 2.5 | 5.5 | 4.2 | 9.3 | 4.5 | 9.9 | 6 | 13.2 | 6 | 13.2 | 7 | 15.4 |
| 2 1/2 | 65 | 4.0 | 8.8 | 5.0 | 11.0 | 5.0 | 11.0 | 7 | 15.4 | 7 | 15.4 | 10 | 22.0 |
| 3 | 80 | 4.5 | 9.9 | 6.5 | 14.3 | 8 | 17.6 | 11 | 24.2 | 11 | 24.2 | 14 | 30.9 |
| 4 | 100 | 7.5 | 16.5 | 8.5 | 18.7 | 12 | 26.4 | 18 | 39.7 | 20 | 44.1 | 25 | 55.1 |
| 5 | 125 | 12 | 26.4 | 16 | 35.3 | 22.7 | 50.0 | --- | --- | --- | --- | --- | --- |
| 6 | 150 | 14.5 | 32.0 | 22 | 48.5 | 39 | 86.0 | 52 | 114.6 | 50 | 110.2 | 86 | 189.5 |
| 8 | 200 | 26 | 57.3 | 38 | 83.8 | 60 | 132.2 | 104 | 229.2 | 99 | 218.2 | 129 | 284.3 |
| 10 | 250 | 41 | 90.4 | 56 | 123.4 | 114.5 | 252.4 | 176 | 387.9 | 180 | 396.7 | --- | --- |
| 12 | 300 | 70 | 154.3 | 90 | 198.4 | 160.8 | 354.4 | 245 | 540.0 | 329 | 725.1 | --- | --- |
| 14 | 350 | 90.5 | 199.5 | 160 | 352.6 | 220 | 484.9 | 420 | 925.7 | 430 | 947.7 | --- | --- |
| 16 | 400 | 127 | 279.9 | 196 | 432.0 | 318.5 | 702.0 | 523 | 1152.7 | 652 | 1437 | --- | --- |
| 18 | 450 | 146 | 321.8 | 264 | 581.9 | 386.5 | 851.8 | 598 | 1318.0 | 882 | 1944 | --- | --- |
| 20 | 500 | 188 | 414.4 | 328 | 722.9 | 487 | 1073.3 | 685 | 1510 | 1288 | 2839 | --- | --- |
| 24 | 600 | 269 | 592.9 | 507.5 | 1118.5 | 760.5 | 1676.1 | 1252 | 2759 | 2628 | 5792 | --- | --- |
| 30 | 750 | 525.5 | 1158.2 | 950 | 2094 | 1505 | 3317 | --- | --- | --- | --- | --- | --- |
| 36 | 900 | 923.8 | 2036.1 | 1585 | 3493 | 2820 | 6215 | --- | --- | --- | --- | --- | --- |
| 42 | 1050 | 1315 | 2898 | 2062 | 4544 | 3812 | 8402 | --- | --- | --- | --- | --- | --- |
| 48 | 1200 | 1950 | 4298 | 3050 | 6722 | 4972 | 10958 | --- | --- | --- | --- | --- | --- |
| 54 | 1350 | 2775 | 6116 | 3360 | 7405 | --- | --- | --- | --- | --- | --- | --- | --- |
| 60 | 1500 | 3625 | 7990 | 4580 | 10689 | --- | --- | --- | --- | --- | --- | --- | --- |