

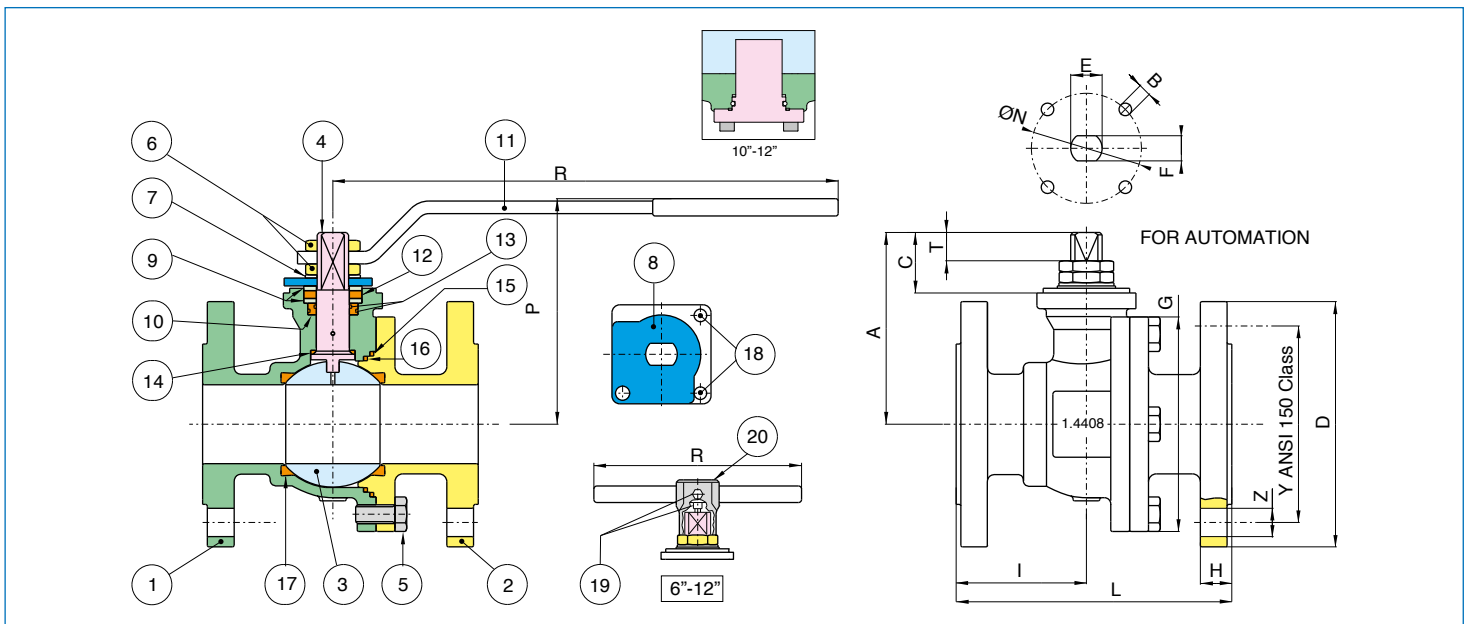
SERIES 762000 CARBON STEEL BALL VALVE

Carbon steel, ANSI CLASS 150 flanged ends ball valve.

- Full port, sizes 1/2" to 12" (10" and 12" TRUNNION).
- Blow out proof stem, adjustable stem packing.
- P.T.F.E. seats, packing and thrust washer.
- 100% tested.
- PED 97/23/CE.
- Standard locking device.
- Temperature range -4° F to 366° F.
- ANSI B16.5, B16.10, B16.34 design.
- FIRE SAFE API 6FA-API 607 4th edition.
- Antistatic device.

COMPLIES WITH NACE MR 0175/ISO 15156 AND NACE MR 0103.

760137: STEAM SERVICE TRIM



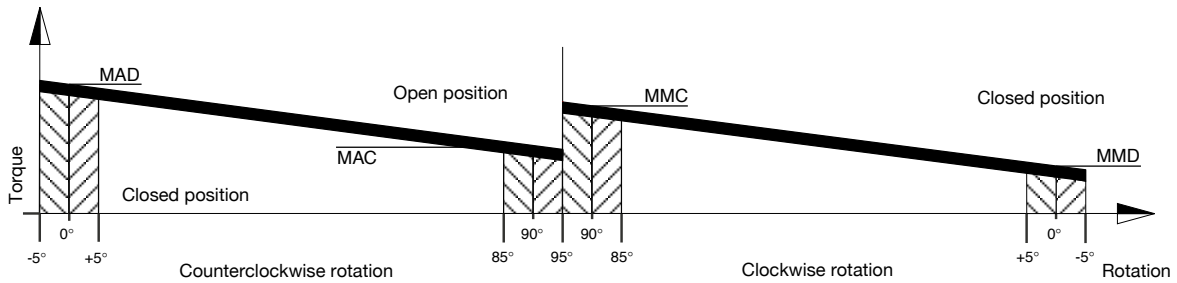
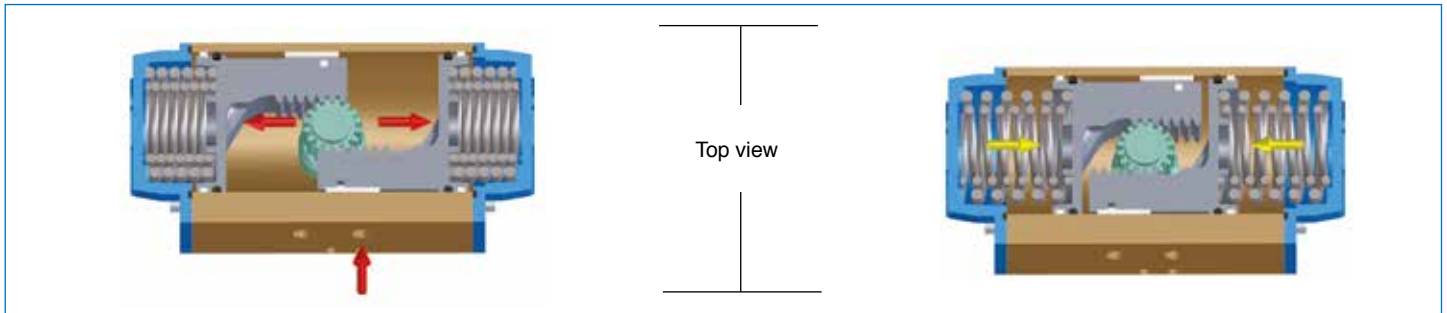
| N Pcs | PART NAME | MATERIAL | N Pcs | SIZE | D | Y | Z | H | I | L | G | P | R | A | C | T | E | F | ØN | B | Cv | Lbs |
|-------|----------------|--------------------|-------|--------|-------|-------|----------|------|-------|-------|-------|-------|-------|-------|------|------|-----|------|----------|-----|----------|--------|
| 1 | BODY | A216 WCB | 1 | 1/2" | 3.54 | 2.38 | 4xØ0.63 | 0.45 | 1.83 | 4.25 | 2.80 | 3.46 | 5.16 | 2.05 | 0.75 | 0.31 | M10 | 0.28 | 1.65-F04 | M5 | 18.95 | 4.21 |
| 2 | END CONNECTION | A216 WCB | 1 | 3/4" | 3.94 | 2.76 | 4xØ0.63 | 0.51 | 2.09 | 4.61 | 2.89 | 3.66 | 5.16 | 2.20 | 0.75 | 0.31 | M10 | 0.28 | 1.65-F04 | M5 | 34.30 | 5.36 |
| 3 | BALL | A276-316/A351 CF8M | 1 | | | | | | | | | | | | | | | | | | | |
| 4 | STEM | A276-316 | 1 | 1" | 4.33 | 3.13 | 4xØ0.63 | 0.57 | 2.34 | 5.00 | 3.56 | 3.50 | 6.85 | 2.85 | 1.08 | 0.51 | M12 | 0.31 | 1.97-F05 | M6 | 50.00 | 8.15 |
| 5 | SCREW | STEEL | 4 | | | | | | | | | | | | | | | | | | | |
| 6 | NUT | STEEL | 2 | 1 1/2" | 5.12 | 3.88 | 4xØ0.63 | 0.69 | 3.03 | 6.50 | 4.49 | 5.24 | 9.84 | 4.17 | 1.18 | 0.39 | M16 | 0.39 | 1.97-F05 | M6 | 267.44 | 15.65 |
| 7 | SPRING WASHER | STEEL | 2 | | | | | | | | | | | | | | | | | | | |
| 8 | TRAVEL STOP | STEEL | 1 | 2" | 5.91 | 4.74 | 4xØ0.75 | 0.77 | 3.39 | 7.01 | 5.37 | 5.67 | 12.64 | 4.80 | 1.52 | 0.71 | M20 | 0.55 | 2.76-F07 | M8 | 308.14 | 23.80 |
| 9 | PACKING GLAND | STEEL | 2 | | | | | | | | | | | | | | | | | | | |
| 10 | STEM SEAL | P.T.F.E. | 1 | 3" | 7.48 | 6.00 | 4xØ0.75 | 0.94 | 3.13 | 7.99 | 7.03 | 6.81 | 15.00 | 5.94 | 1.69 | 0.71 | M24 | 0.71 | 4.02-F10 | M10 | 1015.12 | 47.61 |
| 11 | HANDLE | STEEL | 1 | | | | | | | | | | | | | | | | | | | |
| 12 | STEM SEAL | GRAPHOIL | 1 | 4" | 9.06 | 7.50 | 8xØ0.75 | 0.94 | 4.33 | 9.02 | 8.21 | 7.36 | 15.00 | 6.50 | 1.69 | 0.71 | M24 | 0.71 | 4.02-F10 | M10 | 1616.28 | 67.00 |
| 13 | O-RING | FKM (Viton®) | 2 | | | | | | | | | | | | | | | | | | | |
| 14 | THRUST WASHER | P.T.F.E. | 1 | 6" | 11.02 | 9.51 | 8xØ0.87 | 1.00 | 7.13 | 15.51 | 12.24 | 12.01 | 27.56 | 9.65 | 2.68 | 1.08 | M42 | 1.18 | 4.92-F12 | M12 | 2353.49 | 171.91 |
| 15 | SEAL | GRAPHOIL | 1 | | | | | | | | | | | | | | | | | | | |
| 16 | SEAL | P.T.F.E. | 1 | 8" | 13.58 | 11.75 | 8xØ0.87 | 1.14 | 8.35 | 17.99 | 15.83 | 13.70 | 27.56 | 11.34 | 2.68 | 1.08 | M42 | 1.18 | 4.92-F12 | M12 | 3162.79 | 274.62 |
| 17 | BALL SEATS | P.T.F.E. | 2 | | | | | | | | | | | | | | | | | | | |
| 18 | SCREW | STEEL | 2 | 10" * | 15.94 | 14.25 | 12xØ1.02 | 1.27 | 11.88 | 20.98 | 19.69 | 16.61 | 47.24 | 13.90 | 3.19 | 1.85 | M52 | 1.50 | 5.51-F14 | M16 | 9883.72 | 429.78 |
| 19 | SCREW | STEEL | 2 | | | | | | | | | | | | | | | | | | | |
| 20 | BODY HANDLE | CAST IRON | 1 | 12" * | 19.09 | 17.00 | 12xØ1.02 | 1.33 | 13.93 | 24.02 | 22.05 | 17.80 | 47.24 | 15.12 | 3.19 | 1.85 | M52 | 1.50 | 5.51-F14 | M16 | 16279.07 | 559.82 |

* TRUNNION max Δp= 145 psi



VALPRES





With reference to the above diagram the torque of a spring return actuator is not constant but decreasing. This is due to the action of the springs that when compressed during air actuation counteract the piston movement and accumulate energy which will be available in a decreasing way during the rotation inversion. The torque given by the actuator is defined by four fundamental values.

- Opening rotation
- MAD = Actuator torque with unfolded springs
- MAC = Actuator torque with compressed springs.
- Closing rotation
- MMC = Torque with compressed springs.
- MMD = Torque with unfolded springs

The users can decide on which model to choose according their own specific requirements, using the following guidelines:

1. Define the maximum torque of the valve to automate.
2. To obtain a safety factor increase the torque value chosen by 25% - 50% (subject to the type of valve and working conditions).
3. Once the torque value suggested is obtained consult the torque chart and in relation to the corresponding air pressure find the torque value exact to or exceeding the one obtained, taking account of the lower value between the MMD and MAC values.
4. Once the torque value is determined move horizontally to the column "model" to find the actuator model required.

VALID FROM MOD. 52 TO MOD. 140 *

SPRING SETTING

SET STANDARD 05

| SET | EXTERNAL SPRING | INTERNAL SPRING |
|-----|-----------------|-----------------|
| 01 | 1 | 1 |
| 02 | 2 | - |
| 03 | 1 | 2 |
| 04 | 2 | 1 |
| 05 | 2 | 2 |

VALID FROM MOD. 160 TO MOD. 200

SPRING SETTING

SET STANDARD 06

| SET | EXTERNAL SPRING | CENTRAL SPRING | INTERNAL SPRING |
|-----|-----------------|----------------|-----------------|
| 01 | - | 2 | - |
| 02 | 2 | - | - |
| 03 | 1 | 2 | - |
| 04 | 2 | - | 2 |
| 05 | 2 | 2 | - |
| 06 | 2 | 2 | 2 |

VALID FROM MOD. 230 TO MOD. 330

SPRING SETTING

PRETENSIONED SPRING

| SET | N° OF SPRINGS FOR EACH SIDE | |
|-----|-----------------------------|--|
| 01 | 2/3 | |
| 02 | 3/3 | |
| 03 | 3/4 | |
| 04 | 4/4 | |
| 05 | 4/5 | |
| 06 | 5/5 | |
| 07 | 5/6 | |
| 08 | 6/6 | |

MOD.230
MOD.270 e 330

* Valid also for stainless steel actuator from mod. 52 to mod. 100.

TORQUE OUTPUT SR ACTUATORS

| MOD. | SET | SPRING TORQUE (in-Lbs) | | AIR SUPPLY PRESSURE (psi) | | | | | | | | | | | | | | | |
|---------|--------|------------------------|--------|--|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|-------|
| | | | | 40 | | 50 | | 60 | | 70 | | 80 | | 90 | | 100 | | 115 | |
| | | | | TORQUE OUTPUT SPRING RETURN ACTUATORS (in-Lbs) | | | | | | | | | | | | | | | |
| | 0° MMD | 90° MMC | 0° MAD | 90° MAC | 0° MAD | 90° MAC | 0° MAD | 90° MAC | 0° MAD | 90° MAC | 0° MAD | 90° MAC | 0° MAD | 90° MAC | 0° MAD | 90° MAC | 0° MAD | 90° MAC | |
| SR52 * | 1 | 32 | 44 | 48 | 23 | 72 | 47 | 95 | 70 | 108 | 77 | | | | | | | | |
| | 2 | 42 | 59 | | | 61 | 31 | 84 | 54 | 108 | 77 | | | | | | | | |
| | 3 | 46 | 66 | | | | | 80 | 47 | 104 | 70 | 127 | 94 | 150 | 117 | | | | |
| | 4 | 57 | 82 | | | | | 70 | 31 | 93 | 55 | 116 | 78 | 140 | 101 | 163 | 125 | | |
| | 5 | 72 | 105 | | | | | | | 78 | 32 | 101 | 55 | 125 | 78 | 148 | 102 | 183 | 137 |
| SR63 * | 1 | 44 | 85 | 92 | 38 | 134 | 80 | 176 | 122 | | | | | | | | | | |
| | 2 | 58 | 109 | | | 120 | 56 | 162 | 98 | 204 | 140 | | | | | | | | |
| | 3 | 71 | 128 | | | | | 149 | 79 | 191 | 121 | 233 | 162 | 275 | 204 | | | | |
| | 4 | 85 | 152 | | | | | 136 | 54 | 177 | 96 | 219 | 138 | 261 | 180 | 303 | 222 | | |
| | 5 | 111 | 196 | | | | | | | 151 | 53 | 193 | 95 | 235 | 136 | 276 | 178 | 339 | 241 |
| SR75 * | 1 | 89 | 172 | 168 | 63 | 244 | 138 | 319 | 214 | | | | | | | | | | |
| | 2 | 118 | 226 | | | 215 | 85 | 291 | 160 | 366 | 235 | | | | | | | | |
| | 3 | 133 | 249 | | | | | 275 | 137 | 351 | 212 | 426 | 288 | 502 | 363 | | | | |
| | 4 | 162 | 303 | | | | | 247 | 83 | 322 | 158 | 398 | 234 | 473 | 309 | 549 | 385 | | |
| | 5 | 205 | 380 | | | | | | | 279 | 81 | 354 | 157 | 430 | 232 | 505 | 308 | 618 | 421 |
| SR85 * | 1 | 143 | 242 | 238 | 109 | 349 | 219 | 460 | 330 | | | | | | | | | | |
| | 2 | 176 | 298 | | | 316 | 163 | 427 | 274 | 537 | 384 | | | | | | | | |
| | 3 | 215 | 361 | | | | | 387 | 211 | 498 | 322 | 609 | 432 | 720 | 543 | | | | |
| | 4 | 248 | 417 | | | | | 354 | 155 | 465 | 265 | 576 | 376 | 687 | 487 | 797 | 633 | | |
| | 5 | 321 | 536 | | | | | | | 392 | 146 | 503 | 257 | 614 | 368 | 725 | 478 | 891 | 645 |
| SR100 * | 1 | 218 | 395 | 384 | 154 | 556 | 326 | 728 | 499 | | | | | | | | | | |
| | 2 | 288 | 521 | | | 485 | 199 | 658 | 372 | 830 | 544 | | | | | | | | |
| | 3 | 318 | 564 | | | | | 628 | 329 | 801 | 502 | 973 | 674 | 1146 | 847 | | | | |
| | 4 | 389 | 691 | | | | | 558 | 203 | 730 | 375 | 903 | 548 | 1075 | 720 | 1248 | 893 | | |
| | 5 | 489 | 860 | | | | | | | 630 | 206 | 802 | 378 | 975 | 551 | 1147 | 723 | 1406 | 982 |
| SR115 | 1 | 363 | 658 | 650 | 270 | 935 | 555 | 1220 | 840 | | | | | | | | | | |
| | 2 | 449 | 835 | | | 848 | 378 | 1133 | 663 | 1419 | 949 | | | | | | | | |
| | 3 | 538 | 957 | | | | | 1044 | 541 | 1329 | 827 | 1615 | 1112 | 1900 | 1397 | | | | |
| | 4 | 625 | 1133 | | | | | 958 | 365 | 1243 | 650 | 1528 | 935 | 1813 | 1220 | 2098 | 1505 | | |
| | 5 | 800 | 1432 | | | | | | | 1067 | 352 | 1352 | 637 | 1638 | 922 | 1923 | 1207 | 2350 | 1635 |
| SR125 | 1 | 470 | 877 | 850 | 328 | 1224 | 703 | 1599 | 1077 | | | | | | | | | | |
| | 2 | 560 | 1040 | | | 1135 | 400 | 1400 | 840 | 2000 | 1883 | | | | | | | | |
| | 3 | 718 | 1313 | | | | | 1351 | 640 | 1725 | 1015 | 2099 | 1389 | 2474 | 1763 | | | | |
| | 4 | 808 | 1477 | | | | | 1261 | 477 | 1636 | 851 | 2010 | 1226 | 2384 | 1600 | 2758 | 1974 | | |
| | 5 | 1055 | 1913 | | | | | | | 1388 | 415 | 1762 | 789 | 2136 | 1164 | 2511 | 1538 | 3072 | 2099 |
| SR140 | 1 | 726 | 1346 | 1240 | 508 | 1742 | 1010 | 2244 | 1512 | | | | | | | | | | |
| | 2 | 815 | 1523 | | | 1642 | 821 | 2144 | 1323 | 2646 | 1825 | | | | | | | | |
| | 3 | 1036 | 1958 | | | | | 1910 | 856 | 2412 | 1358 | 2914 | 1861 | 3408 | 2355 | | | | |
| | 4 | 1134 | 2126 | | | | | 1810 | 668 | 2312 | 1170 | 2814 | 1672 | 3308 | 2166 | 3810 | 2668 | | |
| | 5 | 1453 | 2728 | | | | | | | 1979 | 515 | 2481 | 1017 | 2975 | 1511 | 3477 | 2013 | 4233 | 2769 |
| SR160 | 1 | 735 | 1159 | 2036 | 1585 | 2741 | 2290 | | | | | | | | | | | | |
| | 2 | 1053 | 1664 | | | 2405 | 1532 | 3085 | 2438 | | | | | | | | | | |
| | 3 | 1266 | 1991 | | | 2184 | 1405 | 2863 | 2084 | 3552 | 2773 | | | | | | | | |
| | 4 | 1637 | 2584 | | | | | 2465 | 1456 | 3153 | 2463 | 3859 | 2850 | | | | | | |
| | 5 | 1788 | 2823 | | | | | | | 2985 | 1896 | 3691 | 2603 | 4405 | 3317 | | | | |
| | 6 | 2372 | 3744 | | | | | | | | 3080 | 1620 | 3795 | 2335 | 4474 | 3014 | 5528 | 4069 | |
| SR180 | 1 | 903 | 1487 | 2540 | 1921 | 3239 | 2620 | | | | | | | | | | | | |
| | 2 | 1416 | 2230 | | | 2691 | 1823 | 4089 | 3222 | | | | | | | | | | |
| | 3 | 1611 | 2602 | | | 2487 | 1434 | 3885 | 2832 | 5275 | 4222 | | | | | | | | |
| | 4 | 2319 | 3664 | | | | | 3133 | 1735 | 4523 | 3124 | 5222 | 3824 | | | | | | |
| | 5 | 2319 | 3717 | | | | | | | 4523 | 3036 | 5222 | 3735 | 5921 | 4434 | | | | |
| | 6 | 3222 | 5151 | | | | | | | | 4266 | 2248 | 4965 | 2947 | 6364 | 4346 | 7762 | 5744 | |
| SR200 | 1 | 1496 | 2222 | 3638 | 2895 | 4954 | 4211 | | | | | | | | | | | | |
| | 2 | 2098 | 3124 | | | 4264 | 3211 | 5531 | 4477 | | | | | | | | | | |
| | 3 | 2549 | 3788 | | | 3812 | 2556 | 5080 | 3823 | 6338 | 5081 | | | | | | | | |
| | 4 | 2992 | 4620 | | | | | 4549 | 2885 | 5807 | 4144 | 7132 | 5468 | | | | | | |
| | 5 | 3593 | 5346 | | | | | | | 5196 | 3418 | 6521 | 4742 | 7837 | 6058 | | | | |
| | 6 | 4487 | 6842 | | | | | | | | 5539 | 3150 | 6854 | 4465 | 8122 | 5732 | 10066 | 7677 | |
| SR230 | 1 | 3443 | 5895 | 4124 | 1522 | 5682 | 3080 | 8789 | 6187 | | | | | | | | | | |
| | 2 | 4124 | 7072 | | | 4956 | 1823 | 8063 | 4930 | | | | | | | | | | |
| | 3 | 4815 | 8258 | | | | | 7328 | 3682 | 10444 | 6797 | | | | | | | | |
| | 4 | 5505 | 9435 | | | | | 6603 | 2425 | 9718 | 5541 | 11276 | 7098 | | | | | | |
| | 5 | 6196 | 10612 | | | | | 5868 | 1177 | 8984 | 4293 | 10541 | 5850 | 12090 | 7399 | | | | |
| | 6 | 6877 | 11789 | | | | | | | 8258 | 3036 | 9815 | 4594 | 11364 | 6142 | 14480 | 9258 | 17586 | 12364 |
| SR270 | 1 | 4478 | 7001 | 8096 | 5530 | 11308 | 8742 | 14548 | 11982 | | | | | | | | | | |
| | 2 | 5372 | 8399 | 7141 | 4061 | 10353 | 7273 | 13627 | 10513 | | | | | | | | | | |
| | 3 | 6266 | 9798 | 5229 | 2592 | 9397 | 5804 | 12637 | 9044 | 15877 | 12284 | | | | | | | | |
| | 4 | 7169 | 11196 | | | 8450 | 4344 | 11690 | 7583 | 14930 | 10823 | 18141 | 14036 | | | | | | |
| | 5 | 8063 | 12595 | | | | | 10734 | 6114 | 13974 | 9354 | 17185 | 12566 | 20397 | 18478 | | | | |
| | 6 | 8957 | 13993 | | | | | 9778 | 4645 | 13018 | 7885 | 16230 | 11097 | 19441 | 14308 | | | | |
| | 7 | 9851 | 15400 | | | | | 8823 | 3216 | 12062 | 6416 | 15275 | 9628 | 18486 | 12839 | 21717 | 16071 | | |
| | 8 | 10745 | 16799 | | | | | 7867 | 1707 | 11107 | 4947 | 14319 | 8159 | 17530 | 11370 | 20762 | 14602 | 25593 | 19434 |
| SR330 | 1 | 7824 | 12143 | 12046 | 7452 | 16117 | 11524 | 24260 | 19666 | | | | | | | | | | |
| | 2 | 9382 | 14577 | 10382 | 4868 | 14453 | 8939 | 22596 | 17082 | | | | | | | | | | |
| | 3 | 10948 | 17002 | 8718 | 2292 | 12789 | 6364 | 20932 | 14506 | 29075 | 22649 | | | | | | | | |
| | 4 | 12515 | 19436 | | | 11134 | 3779 | 19277 | 11922 | 27420 | 20065 | 31491 | 24136 | | | | | | |
| | 5 | 14082 | 21861 | | | | | 17613 | 9346 | 25756 | 17489 | 29827 | 21560 | 33898 | 25632 | | | | |
| | 6 | 15639 | 24295 | | | | | 15949 | 6762 | 24092 | 14905 | 28163 | 18976 | 32234 | 23047 | | | | |
| | 7 | 17206 | 26720 | | | | | 14294 | 4186 | 22437 | 12329 | 26508 | 16400 | 30579 | 20472 | 38713 | 28606 | | |
| | 8 | 18772 | 29154 | | | | | | | 20773 | 9745 | 24844 | 13816 | 28915 | 17887 | 37049 | 26021 | 45192 | 34164 |

* Valid also for stainless steel actuator.



| | | WORKING TIME (SEC) | | | | | | | | | | | | | | | |
|--------------------------------|--------------------------------|--------------------|--------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| TYPE | MODEL | 32 | 52* | 63* | 75* | 85* | 100* | 115 | 125 | 140 | 160 | 180 | 200 | 230 | 270 | 330 | |
| | | ROT. 0°-90° | COUNTERCLOCKWISE ROTATION (DA) | CCW | 0,03 | 0,07 | 0,11 | 0,18 | 0,36 | 0,38 | 0,60 | 0,80 | 1,13 | 1,43 | 1,99 | 3,08 | 4,15 |
| CLOCKWISE ROTATION (DA) | CW | | 0,03 | 0,05 | 0,10 | 0,15 | 0,25 | 0,34 | 0,54 | 0,70 | 0,94 | 1,25 | 1,80 | 2,41 | 3,80 | 5,47 | 5,50 |
| COUNTERCLOCKWISE ROTATION (SR) | CCW | | - | 0,07 | 0,13 | 0,32 | 0,32 | 0,54 | 0,92 | 1,20 | 1,64 | 2,27 | 3,08 | 3,58 | 6,20 | 8,97 | 6,40 |
| CLOCKWISE ROTATION (SR) | CW | | - | 0,07 | 0,13 | 0,22 | 0,30 | 0,48 | 0,75 | 0,94 | 1,25 | 1,60 | 2,38 | 2,80 | 5,40 | 6,62 | 7,40 |
| ROT. 0°-180° | COUNTERCLOCKWISE ROTATION (DA) | CCW | - | 0,08 | 0,14 | 0,34 | 0,42 | 0,64 | 1,11 | 1,87 | 2,95 | 3,03 | - | - | - | - | - |
| | CLOCKWISE ROTATION (DA) | CW | - | 0,06 | 0,12 | 0,25 | 0,39 | 0,62 | 1,08 | 1,13 | 2,03 | 2,29 | - | - | - | - | - |

* Approximative times obtained at the pressure of 90 PSI without valve.

| | | WEIGHT CHART (Lbs) | | | | | | | | | | | | | | | |
|---------|-------|--------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| TYPE | MODEL | 32 | 52 | 63 | 75 | 85 | 100 | 115 | 125 | 140 | 160 | 180 | 200 | 230 | 270 | 330 | |
| | | DA 90° | | 1,08 | 2,47 | 3,66 | 6,13 | 8,60 | 12,13 | 19,51 | 23,81 | 35,94 | 47,96 | 63,95 | 81,59 | 128,99 | 182,29 |
| SR 90° | | / | 2,87 | 4,34 | 7,47 | 10,58 | 15,44 | 25,25 | 31,05 | 48,07 | 65,05 | 87,98 | 121,28 | 156,56 | 221,10 | 460,85 | |
| DA 180° | | / | 3,75 | 5,51 | 9,26 | 13,19 | 18,81 | 30,10 | 38,26 | 55,11 | 68,78 | / | / | / | / | / | |

| | | STAINLESS STEEL ACTUATOR WEIGHT CHART (Lbs) | | | | |
|--------|-------|---|------|-------|-------|-------|
| TYPE | MODEL | 52 | 63 | 75 | 85 | 100 |
| | | DA 90° | | 4,98 | 6,90 | 10,94 |
| SR 90° | | 5,38 | 7,59 | 12,28 | 18,41 | 25,86 |

| | | ACTUATOR AIR CONSUMPTION CHART | | | | | | | | | | | | | | | |
|-------------------------|--------------------------------|--------------------------------|-----------------------------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|-------|--------|---------|---------|
| | | Litres: 1 Litre = 1000 cm3 | | | | | | | | | | | | | | | |
| TYPE | MODEL | 32 | 52* | 63* | 75* | 85* | 100* | 115 | 125 | 140 | 160 | 180 | 200 | 230 | 270 | 330 | |
| | | ROT. 0°-90° | COUNTERCLOCKWISE ROTATION (DA/SR) | CCW | 2,44 | 6,1 | 11,6 | 21,96 | 31,12 | 48,2 | 78,72 | 99,47 | 137,91 | 220,3 | 282,54 | 347,83 | 651,73 |
| CLOCKWISE ROTATION (DA) | CW | | 1,83 | 7,93 | 14,04 | 26,85 | 39,06 | 61,02 | 104,35 | 134,86 | 192,83 | 306,33 | 402,75 | 643,8 | 918,4 | 1086,22 | 2697,25 |
| ROT. 0°-180° | COUNTERCLOCKWISE ROTATION (DA) | CCW | / | 10,37 | 20,13 | 36,61 | 54,92 | 83,6 | 130 | 176,96 | 299 | 329,52 | / | / | / | / | / |
| | CLOCKWISE ROTATION (DA) | CW | / | 9,76 | 17,7 | 34,17 | 50,65 | 80,55 | 137,3 | 183 | 238 | 385,67 | / | / | / | / | / |

To obtain the air consumption in NI/min multiply the value in the chart for the correct parameters. That is to say for the supplied absolute pressure and the number of strokes in a minute.

* Suitable also for stainless steel actuator.

