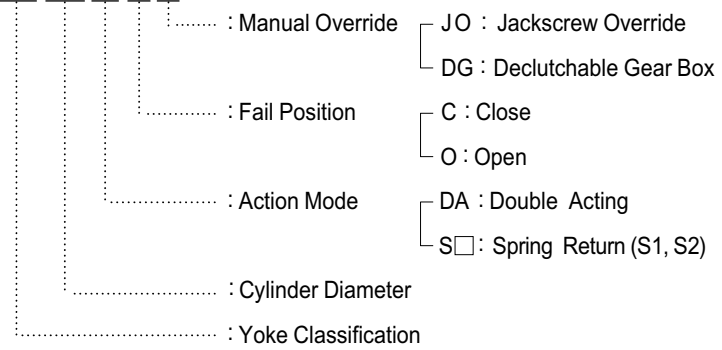


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EPA 040-080-S1-C-JO



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# Output Torques - EPA Series

## Double Acting Actuators

(Unit : N.m)

| Actuator Model        | MOP* Torque | Position of stroke | Pneumatic Stroke Torque (N. m) at Operating Pressure (bar) |      |      |      |      |      |      |
|-----------------------|-------------|--------------------|--|------|------|------|------|------|------|
|                       |             |                    | 3.5  | 4.0  | 5.0  | 5.5  | 6.0  | 7.0  | 8.5  |
| <b>EPA 040-080-DA</b> | 236         | START              | 97   | 111  | 139  | 153  | 167  | 195  | 236  |
|                       | 135         | RUN                | 56   | 64   | 80   | 88   | 95   | 111  | 135  |
|                       | 243         | BREAK              | 100  | 114  | 143  | 157  | 172  | 200  | 243  |
| <b>EPA 050-105-DA</b> | 514         | START              | 212  | 242  | 302  | 333  | 363  | 423  | 514  |
|                       | 294         | RUN                | 121  | 138  | 173  | 190  | 208  | 242  | 294  |
|                       | 529         | BREAK              | 218  | 249  | 311  | 342  | 373  | 435  | 529  |
| <b>EPA 050-130-DA</b> | 593         | START              | 325  | 371  | 464  | 510  | 556  |      |      |
|                       | 340         | RUN                | 186  | 212  | 265  | 292  | 318  |      |      |
|                       | 610         | BREAK              | 334  | 381  | 477  | 524  | 572  |      |      |
| <b>EPA 060-130-DA</b> | 985         | START              | 406  | 464  | 579  | 637  | 695  | 811  | 985  |
|                       | 564         | RUN                | 232  | 265  | 332  | 365  | 398  | 464  | 564  |
|                       | 1013        | BREAK              | 417  | 477  | 596  | 656  | 715  | 834  | 1013 |
| <b>EPA 060-180-DA</b> | 1333        | START              | 778  | 889  | 1111 | 1222 | 1333 |      |      |
|                       | 763         | RUN                | 445  | 509  | 636  | 700  | 763  |      |      |
|                       | 1371        | BREAK              | 800  | 914  | 1143 | 1257 | 1371 |      |      |
| <b>EPA 080-205-DA</b> | 3062        | START              | 1261   | 1441 | 1801 | 1981 | 2161 | 2522 | 3062 |
|                       | 1753        | RUN                | 722  | 825  | 1031 | 1134 | 1237 | 1443 | 1753 |
|                       | 3150        | BREAK              | 1297   | 1482 | 1853 | 2038 | 2223 | 2594 | 3150 |
| <b>EPA 080-255-DA</b> | 3344        | START              | 1951   | 2230 | 2787 | 3066 | 3344 |      |      |
|                       | 1914        | RUN                | 1117   | 1276 | 1595 | 1755 | 1914 |      |      |
|                       | 3440        | BREAK              | 2007   | 2293 | 2867 | 3153 | 3440 |      |      |
| <b>EPA 080-295-DA</b> | 6764        | START              | 2785   | 3183 | 3979 | 4376 | 4774 | 5570 | 6764 |
|                       | 3872        | RUN                | 1594   | 1822 | 2277 | 2505 | 2733 | 3188 | 3872 |
|                       | 6957        | BREAK              | 2865   | 3274 | 4092 | 4501 | 4911 | 5729 | 6957 |
| <b>EPA 080-340-DA</b> | 6765        | START              | 3699   | 4228 | 5285 | 5813 | 6342 |      |      |
|                       | 3872        | RUN                | 2118   | 2420 | 3025 | 3328 | 3630 |      |      |
|                       | 6958        | BREAK              | 3805   | 4349 | 5436 | 5980 | 6523 |      |      |

M.O.P\* - Maximum Operating Pressure.  
 (The pressure required for the maximum operating torques of the actuator)

Output Torques

# Output Torques - EPA Series

## Spring Return Actuators

(Unit : N.m)

| Actuator Model        | Position of stroke | Spring Torque | Position of stroke | Pneumatic Stroke Torque (N.m) at Operating Pressure (bar) |      |      |      |      |      |
|-----------------------|--------------------|---------------|--------------------|---|------|------|------|------|------|
|                       |                    |               |                    | 3.0   | 4.0  | 5.0  | 5.5  | 6.0  | 7.0  |
| <b>EPA 040-080-S1</b> | END                | 37            | START              | 44  | 71   | 97   | 110  | 124  |      |
|                       | RUN                | 26            | RUN                | 18  | 31   | 44   | 51   | 57   |      |
|                       | BREAK              | 65            | BREAK              | 18  | 46   | 67   | 79   | 92   |      |
| <b>EPA 040-080-S2</b> | END                | 50            | START              |   | 58   | 84   | 98   | 111  | 137  |
|                       | RUN                | 35            | RUN                |   | 23   | 37   | 43   | 50   | 63   |
|                       | BREAK              | 89            | BREAK              |   | 22   | 45   | 58   | 70   | 95   |
| <b>EPA 050-105-S1</b> | END                | 82            | START              | 94  | 152  | 209  | 238  | 267  |      |
|                       | RUN                | 57            | RUN                | 38  | 67   | 95   | 109  | 123  |      |
|                       | BREAK              | 145           | BREAK              | 36  | 97   | 141  | 169  | 196  |      |
| <b>EPA 050-105-S2</b> | END                | 116           | START              |   | 119  | 177  | 205  | 234  | 292  |
|                       | RUN                | 81            | RUN                |   | 47   | 75   | 90   | 104  | 132  |
|                       | BREAK              | 206           | BREAK              |   | 36   | 87   | 114  | 141  | 196  |
| <b>EPA 050-130-S1</b> | END                | 126           | START              | 145   | 233  | 321  | 365  | 409  |      |
|                       | RUN                | 88            | RUN                | 59  | 102  | 146  | 168  | 189  |      |
|                       | BREAK              | 222           | BREAK              | 56  | 149  | 217  | 259  | 301  |      |
| <b>EPA 050-130-S2</b> | END                | 172           | START              |   | 189  | 277  | 321  | 365  | 453  |
|                       | RUN                | 120           | RUN                |   | 76   | 119  | 141  | 163  | 206  |
|                       | BREAK              | 305           | BREAK              |   | 66   | 143  | 185  | 226  | 310  |
| <b>EPA 060-130-S1</b> | END                | 157           | START              | 181   | 291  | 401  | 456  | 512  |      |
|                       | RUN                | 112           | RUN                | 71  | 126  | 180  | 207  | 235  |      |
|                       | BREAK              | 288           | BREAK              | 60  | 176  | 263  | 315  | 367  |      |
| <b>EPA 060-130-S2</b> | END                | 208           | START              |   | 243  | 353  | 408  | 463  | 573  |
|                       | RUN                | 149           | RUN                |   | 96   | 150  | 177  | 204  | 259  |
|                       | BREAK              | 382           | BREAK              |   | 82   | 178  | 230  | 282  | 386  |
| <b>EPA 060-180-S1</b> | END                | 291           | START              | 356   | 567  | 778  | 884  | 990  |      |
|                       | RUN                | 208           | RUN                | 142   | 247  | 351  | 403  | 455  |      |
|                       | BREAK              | 534           | BREAK              | 132   | 354  | 519  | 619  | 719  |      |
| <b>EPA 060-180-S2</b> | END                | 406           | START              |   | 459  | 670  | 776  | 881  | 1092 |
|                       | RUN                | 290           | RUN                |   | 180  | 284  | 336  | 388  | 493  |
|                       | BREAK              | 744           | BREAK              |   | 145  | 331  | 431  | 531  | 730  |
| <b>EPA 080-205-S1</b> | END                | 481           | START              | 570   | 912  | 1255 | 1426 | 1597 |      |
|                       | RUN                | 361           | RUN                | 211   | 380  | 549  | 634  | 718  |      |
|                       | BREAK              | 881           | BREAK              | 200   | 560  | 828  | 990  | 1152 |      |
| <b>EPA 080-205-S2</b> | END                | 655           | START              |   | 746  | 1088 | 1260 | 1431 | 1773 |
|                       | RUN                | 492           | RUN                |   | 273  | 442  | 526  | 611  | 780  |
|                       | BREAK              | 1202          | BREAK              |   | 239  | 540  | 702  | 864  | 1188 |
| <b>EPA 080-255-S1</b> | END                | 743           | START              | 883   | 1412 | 1942 | 2206 | 2471 |      |
|                       | RUN                | 558           | RUN                | 327   | 589  | 850  | 981  | 1112 |      |
|                       | BREAK              | 1362          | BREAK              | 310   | 867  | 1282 | 1533 | 1784 |      |
| <b>EPA 080-255-S2</b> | END                | 1020          | START              |   | 1149 | 1678 | 1943 | 2208 | 2737 |
|                       | RUN                | 766           | RUN                |   | 418  | 680  | 810  | 941  | 1203 |
|                       | BREAK              | 1870          | BREAK              |   | 359  | 825  | 1076 | 1327 | 1828 |
| <b>EPA 080-295-S1</b> | END                | 1066          | START              | 1255  | 2011 | 2767 | 3145 | 3523 |      |
|                       | RUN                | 801           | RUN                | 464   | 837  | 1211 | 1398 | 1584 |      |
|                       | BREAK              | 1954          | BREAK              | 433   | 1229 | 1822 | 2180 | 2538 |      |
| <b>EPA 080-295-S2</b> | END                | 1526          | START              |   | 1574 | 2330 | 2708 | 3086 | 3842 |
|                       | RUN                | 1146          | RUN                |   | 554  | 927  | 1114 | 1301 | 1674 |
|                       | BREAK              | 2798          | BREAK              |   | 385  | 1063 | 1421 | 1779 | 2495 |
| <b>EPA 080-340-S1</b> | END                | 1424          | START              | 1659  | 2663 | 3667 | 4170 | 4672 |      |
|                       | RUN                | 1070          | RUN                | 611   | 1107 | 1603 | 1851 | 2099 |      |
|                       | BREAK              | 2611          | BREAK              | 560   | 1617 | 2406 | 2882 | 3357 |      |
| <b>EPA 080-340-S2</b> | END                | 1905          | START              |   | 2207 | 3211 | 3713 | 4215 | 5219 |
|                       | RUN                | 1431          | RUN                |   | 811  | 1307 | 1555 | 1803 | 2299 |
|                       | BREAK              | 3493          | BREAK              |   | 735  | 1613 | 2089 | 2564 | 3515 |

# Performance Data - EPA Series

## Double Acting Actuators

| Actuator Model        | Volume ( ℓ ) |       | MAWP* (bar) | MOP* (bar) | Approximate Weight (kg) |
|-----------------------|--------------|-------|-------------|------------|-------------------------|
|                       | Close        | Open  |             |            |                         |
| <b>EPA 040-080-DA</b> | 0.49         | 0.45  | 12.0        | 8.5        | 10.3                    |
| <b>EPA 050-105-DA</b> | 1.07         | 0.99  | 12.0        | 8.5        | 20.0                    |
| <b>EPA 050-130-DA</b> | 1.66         | 1.52  | 12.0        | 6.4        | 21.5                    |
| <b>EPA 060-130-DA</b> | 2.05         | 1.89  | 12.0        | 8.5        | 35.4                    |
| <b>EPA 060-180-DA</b> | 3.95         | 3.63  | 12.0        | 6.0        | 38.8                    |
| <b>EPA 080-205-DA</b> | 6.40         | 5.89  | 12.0        | 8.5        | 79.0                    |
| <b>EPA 080-255-DA</b> | 9.96         | 9.11  | 12.0        | 6.0        | 88.0                    |
| <b>EPA 080-295-DA</b> | 15.72        | 12.44 | 12.0        | 8.5        | 230.0                   |
| <b>EPA 080-340-DA</b> | 20.90        | 16.52 | 12.0        | 6.4        | 250.0                   |

## Spring Return Actuators

| Actuator Model        | Volume ( ℓ ) | MAWP* (bar) | MOP* (bar) | Approximate Weight (kg) |
|-----------------------|--------------|-------------|------------|-------------------------|
| <b>EPA 040-080-S1</b> | 0.45         | 12.0        | 10.6       | 13.0                    |
| <b>EPA 040-080-S2</b> | 0.45         | 12.0        | 10.8       | 13.3                    |
| <b>EPA 050-105-S1</b> | 0.99         | 12.0        | 10.3       | 26.0                    |
| <b>EPA 050-105-S2</b> | 0.99         | 12.0        | 10.6       | 26.5                    |
| <b>EPA 050-130-S1</b> | 1.52         | 12.0        | 8.0        | 29.3                    |
| <b>EPA 050-130-S2</b> | 1.52         | 12.0        | 8.5        | 30.0                    |
| <b>EPA 060-130-S1</b> | 1.89         | 12.0        | 10.3       | 48.3                    |
| <b>EPA 060-130-S2</b> | 1.89         | 12.0        | 10.7       | 49.1                    |
| <b>EPA 060-180-S1</b> | 3.63         | 12.0        | 7.6        | 60.0                    |
| <b>EPA 060-180-S2</b> | 3.63         | 12.0        | 8.1        | 63.0                    |
| <b>EPA 080-205-S1</b> | 5.89         | 12.0        | 10.2       | 103.0                   |
| <b>EPA 080-205-S2</b> | 5.89         | 12.0        | 10.7       | 107.0                   |
| <b>EPA 080-255-S1</b> | 9.11         | 12.0        | 7.6        | 133.0                   |
| <b>EPA 080-255-S2</b> | 9.11         | 12.0        | 8.1        | 137.0                   |
| <b>EPA 080-295-S1</b> | 12.44        | 12.0        | 10.2       | 287.0                   |
| <b>EPA 080-295-S2</b> | 12.44        | 12.0        | 10.8       | 291.0                   |
| <b>EPA 080-340-S1</b> | 16.52        | 12.0        | 8.0        | 322.0                   |
| <b>EPA 080-340-S2</b> | 16.52        | 12.0        | 8.5        | 326.0                   |

M.A.W.P\* - Maximum Allowable Working Pressure.

(The pressure applicable to a fully stroked actuator against the mechanicals)

M.O.P\* - Maximum Operating Pressure.

(The pressure required for the maximum operating torques of the actuator)

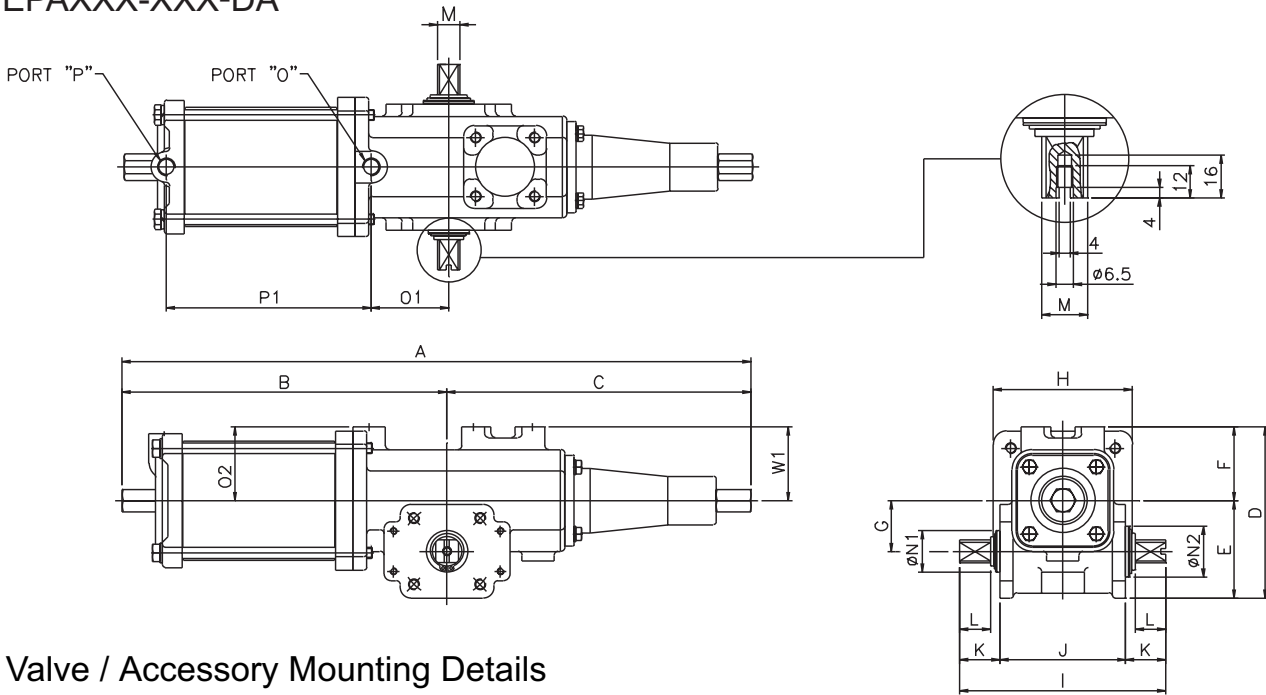
Performance Data

# Dimensions - EPA Series

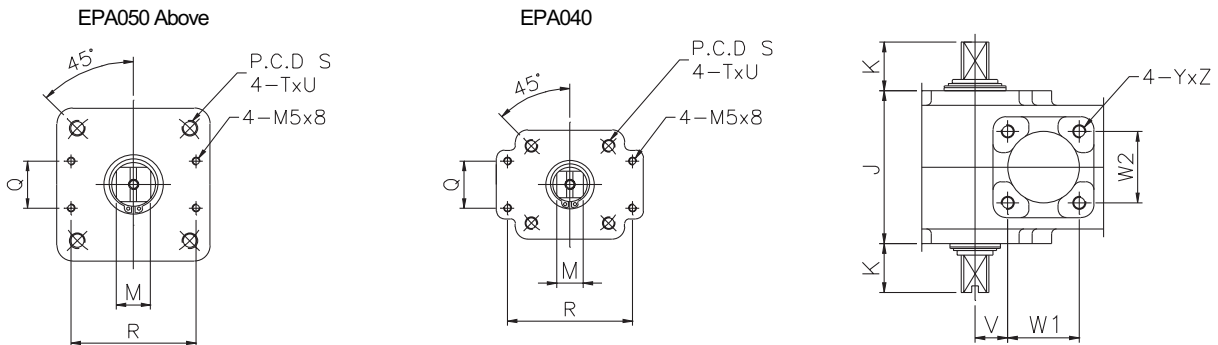
Double Acting Actuators

(Unit : mm)

## EPAXXX-XXX-DA



## Valve / Accessory Mounting Details



Valve Mounting View

Accessory Mounting Pad

| Actuator Model        | A    | B   | C   | D   | E   | F   | G  | H   | I   | J   | K  | L  | □ M | φN1 | φN2 |
|-----------------------|------|-----|-----|-----|-----|-----|----|-----|-----|-----|----|----|-----|-----|-----|
| <b>EPA 040-080-DA</b> | 470  | 243 | 227 | 128 | 73  | 55  | 38 | 104 | 154 | 94  | 30 | 23 | 17  | 31  | 38  |
| <b>EPA 050-105-DA</b> | 595  | 309 | 286 | 174 | 97  | 77  | 48 | 132 | 178 | 118 | 30 | 23 | 22  | 38  | 47  |
| <b>EPA 050-130-DA</b> | 595  | 309 | 286 | 175 | 97  | 78  | 48 | 150 | 178 | 118 | 30 | 23 | 22  | 38  | 47  |
| <b>EPA 060-130-DA</b> | 728  | 380 | 348 | 208 | 119 | 89  | 60 | 162 | 208 | 148 | 30 | 23 | 27  | 47  | 58  |
| <b>EPA 060-180-DA</b> | 728  | 380 | 348 | 224 | 119 | 105 | 60 | 204 | 208 | 148 | 30 | 23 | 27  | 47  | 58  |
| <b>EPA 080-205-DA</b> | 908  | 478 | 430 | 267 | 145 | 122 | 75 | 235 | 288 | 188 | 50 | 39 | 36  | 62  | 70  |
| <b>EPA 080-255-DA</b> | 908  | 478 | 430 | 290 | 145 | 145 | 75 | 284 | 288 | 188 | 50 | 39 | 36  | 62  | 70  |
| <b>EPA 080-295-DA</b> | 1149 | 609 | 540 | 369 | 183 | 186 | 80 | 362 | 420 | 300 | 60 | 49 | 46  | 78  | 88  |
| <b>EPA 080-340-DA</b> | 1149 | 609 | 540 | 406 | 200 | 206 | 80 | 400 | 420 | 300 | 60 | 49 | 46  | 78  | 88  |

| Actuator Model        | PORT "O" | O1  | O2  | PORT "P" | P1  | Q  | R   | S   | T   | U  | V  | W1 | W2 | Y   | Z  |
|-----------------------|----------|-----|-----|----------|-----|----|-----|-----|-----|----|----|----|----|-----|----|
| <b>EPA 040-080-DA</b> | 1/4" NPT | 58  | 55  | 1/4" NPT | 153 | 30 | 80  | 70  | M8  | 12 | 20 | 44 | 44 | M8  | 12 |
| <b>EPA 050-105-DA</b> | 1/4" NPT | 79  | 69  | 1/4" NPT | 187 | 30 | 80  | 102 | M10 | 14 | 20 | 50 | 50 | M8  | 12 |
| <b>EPA 050-130-DA</b> | 1/4" NPT | 79  | 78  | 1/4" NPT | 187 | 30 | 80  | 102 | M10 | 14 | 20 | 50 | 50 | M8  | 12 |
| <b>EPA 060-130-DA</b> | 3/8" NPT | 93  | 84  | 3/8" NPT | 234 | 30 | 80  | 125 | M12 | 18 | 40 | 50 | 50 | M8  | 12 |
| <b>EPA 060-180-DA</b> | 3/8" NPT | 93  | 105 | 3/8" NPT | 234 | 30 | 80  | 125 | M12 | 18 | 40 | 50 | 50 | M8  | 12 |
| <b>EPA 080-205-DA</b> | 1/2" NPT | 122 | 122 | 1/2" NPT | 289 | 30 | 130 | 140 | M16 | 24 | 35 | 90 | 90 | M10 | 15 |
| <b>EPA 080-255-DA</b> | 1/2" NPT | 122 | 146 | 1/2" NPT | 289 | 30 | 130 | 140 | M16 | 24 | 35 | 90 | 90 | M10 | 15 |
| <b>EPA 080-295-DA</b> | 1/2" NPT | 154 | 186 | 1/2" NPT | 364 | 30 | 130 | 165 | M20 | 30 | 60 | 90 | 90 | M10 | 15 |
| <b>EPA 080-340-DA</b> | 1/2" NPT | 154 | 205 | 1/2" NPT | 364 | 30 | 130 | 165 | M20 | 30 | 60 | 90 | 90 | M10 | 15 |

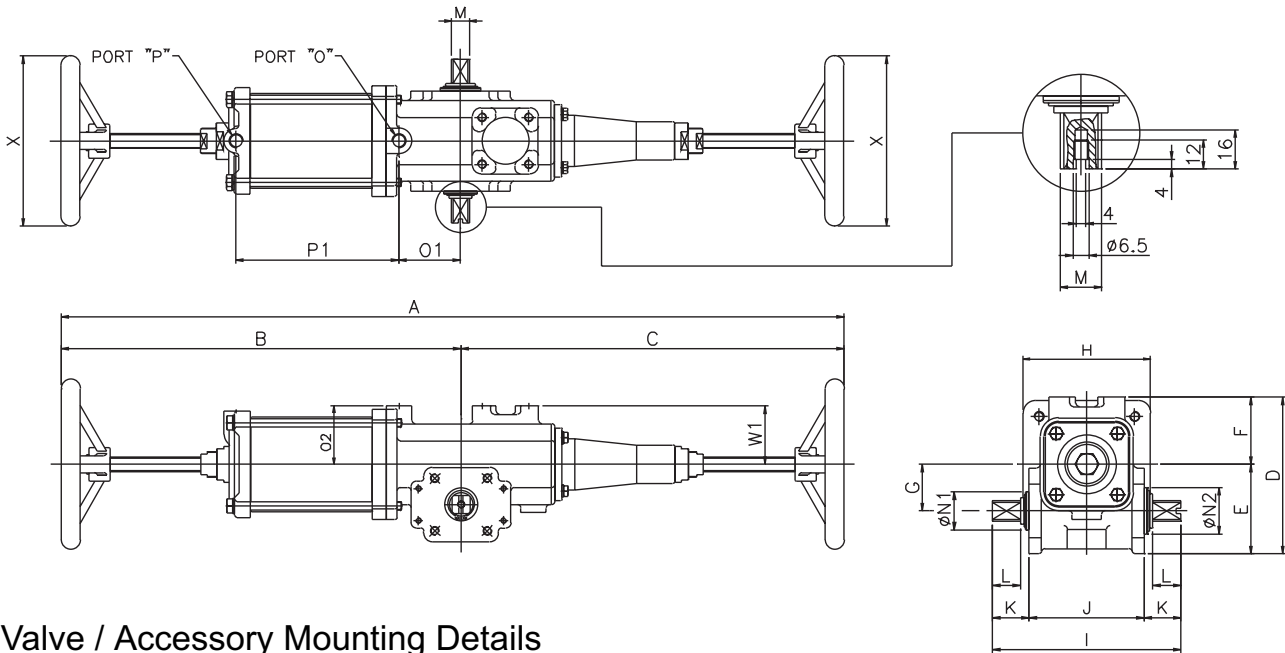
Dimensional drawings can be provided if required, contact our sales division with the model number. Data is subject to change without prior notice.

Metric Unit 4-1  
TD # PA.007.03.Rev.1-04/01/08

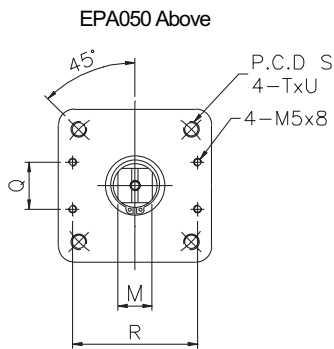
# Dimensions - EPA Series

Double Acting Actuators  
with Manual Override  
(Unit : mm)

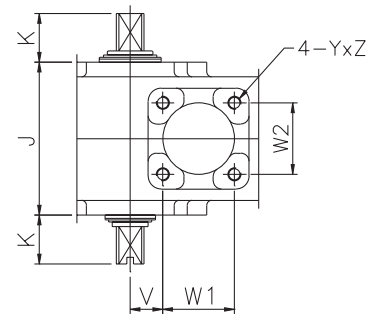
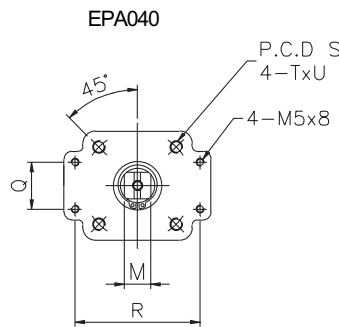
## EPAXXX-XXX-DA-JO



## Valve / Accessory Mounting Details



Valve Mounting View



Accessory Mounting Pad

| Actuator Model        | A    | B   | C   | D   | E   | F   | G  | H   | I   | J   | K  | L  | □ M | øN1 | øN2 | PORT "O" |
|-----------------------|------|-----|-----|-----|-----|-----|----|-----|-----|-----|----|----|-----|-----|-----|----------|
| <b>EPA 040-080-DA</b> | 736  | 376 | 360 | 128 | 73  | 55  | 38 | 104 | 154 | 94  | 30 | 23 | 17  | 31  | 38  | 1/4" NPT |
| <b>EPA 050-105-DA</b> | 930  | 477 | 453 | 174 | 97  | 77  | 48 | 132 | 178 | 118 | 30 | 23 | 22  | 38  | 47  | 1/4" NPT |
| <b>EPA 050-130-DA</b> | 930  | 477 | 453 | 175 | 97  | 78  | 48 | 150 | 178 | 118 | 30 | 23 | 22  | 38  | 47  | 1/4" NPT |
| <b>EPA 060-130-DA</b> | 1131 | 582 | 549 | 208 | 119 | 89  | 60 | 162 | 208 | 148 | 30 | 23 | 27  | 47  | 58  | 3/8" NPT |
| <b>EPA 060-180-DA</b> | 1131 | 582 | 549 | 224 | 119 | 105 | 60 | 204 | 208 | 148 | 30 | 23 | 27  | 47  | 58  | 3/8" NPT |
| <b>EPA 080-205-DA</b> | 1397 | 723 | 674 | 267 | 145 | 122 | 75 | 235 | 288 | 188 | 50 | 39 | 36  | 62  | 70  | 1/2" NPT |
| <b>EPA 080-255-DA</b> | 1397 | 723 | 674 | 290 | 145 | 145 | 75 | 284 | 288 | 188 | 50 | 39 | 36  | 62  | 70  | 1/2" NPT |
| <b>EPA 080-295-DA</b> | 1695 | 883 | 812 | 369 | 183 | 186 | 80 | 362 | 420 | 300 | 60 | 49 | 46  | 78  | 88  | 1/2" NPT |
| <b>EPA 080-340-DA</b> | 1695 | 883 | 812 | 406 | 200 | 206 | 80 | 400 | 420 | 300 | 60 | 49 | 46  | 78  | 88  | 1/2" NPT |

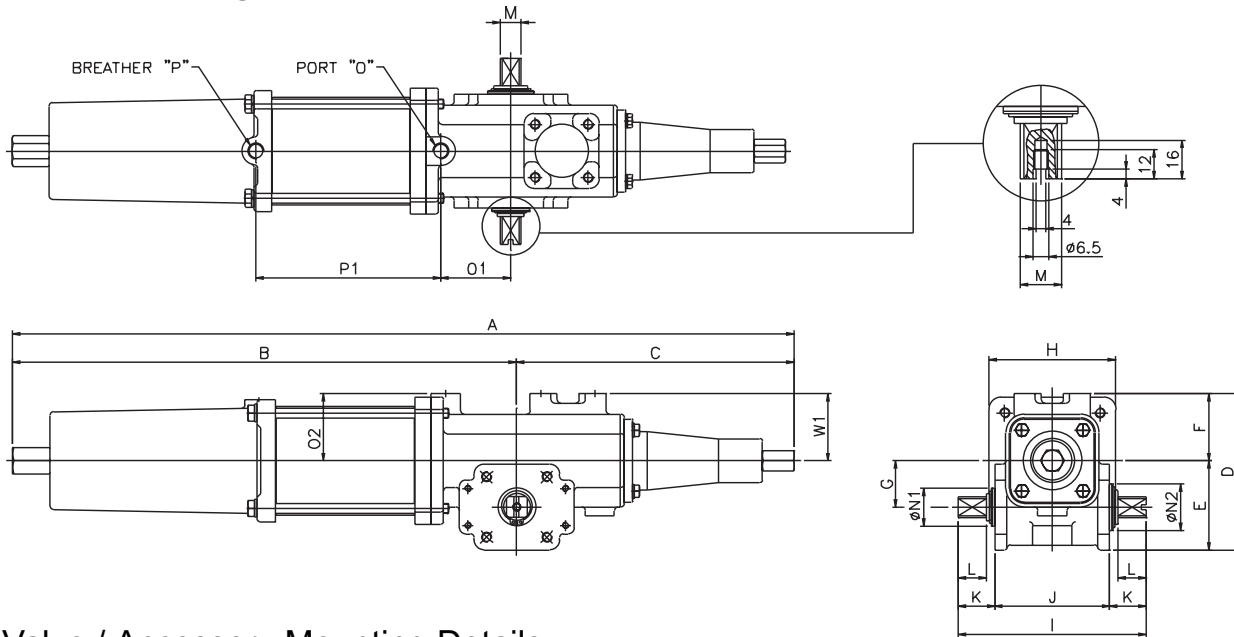
| Actuator Model        | 01  | 02  | PORT "P" | P1  | Q  | R   | S   | T   | U  | V  | W1 | W2 | X   | Y   | Z  |
|-----------------------|-----|-----|----------|-----|----|-----|-----|-----|----|----|----|----|-----|-----|----|
| <b>EPA 040-080-DA</b> | 58  | 55  | 1/4" NPT | 153 | 30 | 80  | 70  | M8  | 12 | 20 | 44 | 44 | 160 | M8  | 12 |
| <b>EPA 050-105-DA</b> | 79  | 69  | 1/4" NPT | 187 | 30 | 80  | 102 | M10 | 14 | 20 | 50 | 50 | 200 | M8  | 12 |
| <b>EPA 050-130-DA</b> | 79  | 78  | 1/4" NPT | 187 | 30 | 80  | 102 | M10 | 14 | 20 | 50 | 50 | 200 | M8  | 12 |
| <b>EPA 060-130-DA</b> | 93  | 84  | 3/8" NPT | 234 | 30 | 80  | 125 | M12 | 18 | 40 | 50 | 50 | 250 | M8  | 12 |
| <b>EPA 060-180-DA</b> | 93  | 105 | 3/8" NPT | 234 | 30 | 80  | 125 | M12 | 18 | 40 | 50 | 50 | 250 | M8  | 12 |
| <b>EPA 080-205-DA</b> | 122 | 122 | 1/2" NPT | 289 | 30 | 130 | 140 | M16 | 24 | 35 | 90 | 90 | 450 | M10 | 15 |
| <b>EPA 080-255-DA</b> | 122 | 146 | 1/2" NPT | 289 | 30 | 130 | 140 | M16 | 24 | 35 | 90 | 90 | 450 | M10 | 15 |
| <b>EPA 080-295-DA</b> | 154 | 186 | 1/2" NPT | 364 | 30 | 130 | 165 | M20 | 30 | 60 | 90 | 90 | 700 | M10 | 15 |
| <b>EPA 080-340-DA</b> | 154 | 205 | 1/2" NPT | 364 | 30 | 130 | 165 | M20 | 30 | 60 | 90 | 90 | 700 | M10 | 15 |

# Dimensions - EPA Series

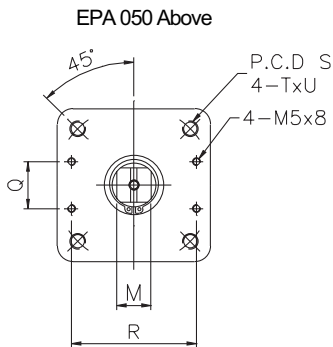
Spring Return Actuators

(Unit : mm)

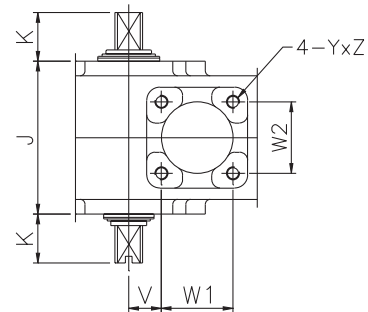
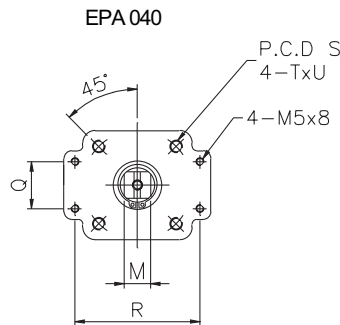
## EPAXXX-XXX-SR



## Valve / Accessory Mounting Details



Valve Mounting View



Accessory Mounting Pad

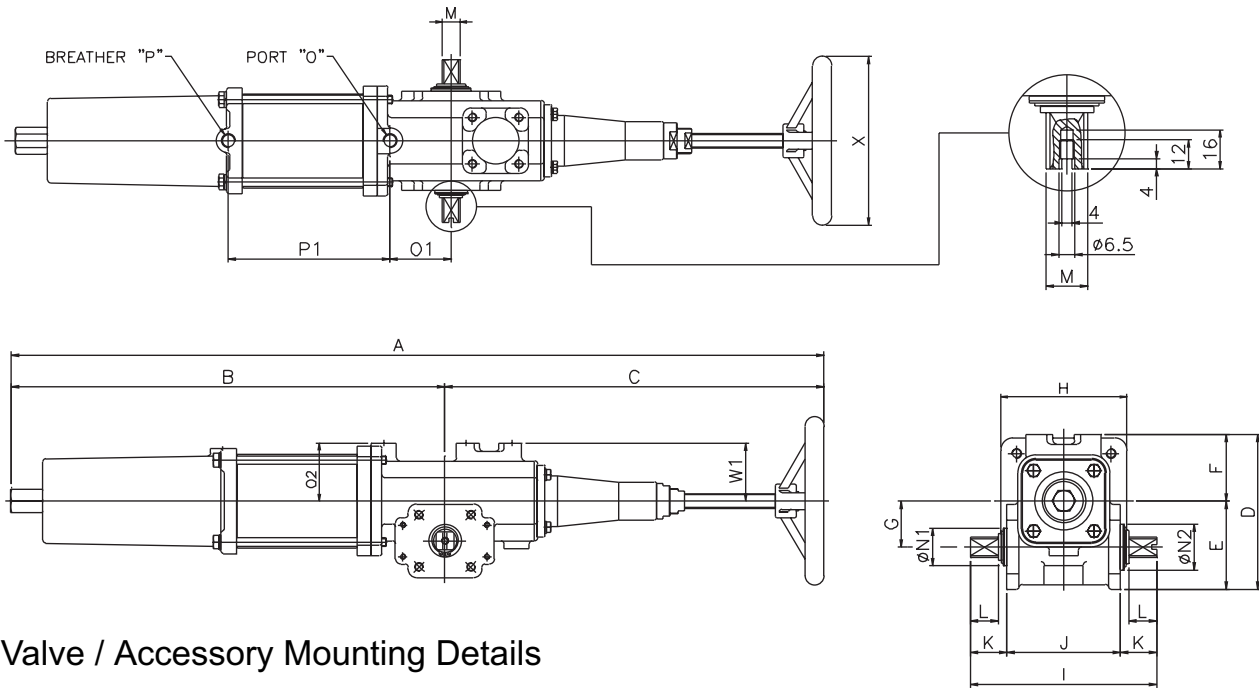
| Actuator Model        | A    | B   | C   | D   | E   | F   | G  | H   | I   | J   | K  | L  | □ M | φN1 | φN2 |
|-----------------------|------|-----|-----|-----|-----|-----|----|-----|-----|-----|----|----|-----|-----|-----|
| <b>EPA 040-080-SR</b> | 640  | 413 | 227 | 128 | 73  | 55  | 38 | 104 | 154 | 94  | 30 | 23 | 17  | 31  | 38  |
| <b>EPA 050-105-SR</b> | 802  | 516 | 286 | 174 | 97  | 77  | 48 | 132 | 178 | 118 | 30 | 23 | 22  | 38  | 47  |
| <b>EPA 050-130-SR</b> | 802  | 516 | 286 | 175 | 97  | 78  | 48 | 150 | 178 | 118 | 30 | 23 | 22  | 38  | 47  |
| <b>EPA 060-130-SR</b> | 982  | 634 | 348 | 208 | 119 | 89  | 60 | 162 | 208 | 148 | 30 | 23 | 27  | 47  | 58  |
| <b>EPA 060-180-SR</b> | 982  | 634 | 348 | 224 | 119 | 105 | 60 | 204 | 208 | 148 | 30 | 23 | 27  | 47  | 58  |
| <b>EPA 080-205-SR</b> | 1221 | 791 | 430 | 267 | 145 | 122 | 75 | 235 | 288 | 188 | 50 | 39 | 36  | 62  | 70  |
| <b>EPA 080-255-SR</b> | 1221 | 791 | 430 | 290 | 145 | 145 | 75 | 284 | 288 | 188 | 50 | 39 | 36  | 62  | 70  |
| <b>EPA 080-295-SR</b> | 1484 | 944 | 540 | 369 | 183 | 186 | 80 | 362 | 420 | 300 | 60 | 49 | 46  | 78  | 88  |
| <b>EPA 080-340-SR</b> | 1484 | 944 | 540 | 406 | 200 | 206 | 80 | 400 | 420 | 300 | 60 | 49 | 46  | 78  | 88  |

| Actuator Model        | PORT "O" | O1  | O2  | PORT "P" | P1  | Q  | R   | S   | T   | U  | V  | W1 | W2 | Y   | Z  |
|-----------------------|----------|-----|-----|----------|-----|----|-----|-----|-----|----|----|----|----|-----|----|
| <b>EPA 040-080-SR</b> | 1/4" NPT | 58  | 55  | 1/4" NPT | 153 | 30 | 80  | 70  | M8  | 12 | 20 | 44 | 44 | M8  | 12 |
| <b>EPA 050-105-SR</b> | 1/4" NPT | 79  | 69  | 1/4" NPT | 187 | 30 | 80  | 102 | M10 | 14 | 20 | 50 | 50 | M8  | 12 |
| <b>EPA 050-130-SR</b> | 1/4" NPT | 79  | 78  | 1/4" NPT | 187 | 30 | 80  | 102 | M10 | 14 | 20 | 50 | 50 | M8  | 12 |
| <b>EPA 060-130-SR</b> | 3/8" NPT | 93  | 84  | 1/4" NPT | 234 | 30 | 80  | 125 | M12 | 18 | 40 | 50 | 50 | M8  | 12 |
| <b>EPA 060-180-SR</b> | 3/8" NPT | 93  | 105 | 1/4" NPT | 234 | 30 | 80  | 125 | M12 | 18 | 40 | 50 | 50 | M8  | 12 |
| <b>EPA 080-205-SR</b> | 1/2" NPT | 122 | 122 | 3/8" NPT | 289 | 30 | 130 | 140 | M16 | 24 | 35 | 90 | 90 | M10 | 15 |
| <b>EPA 080-255-SR</b> | 1/2" NPT | 122 | 146 | 3/8" NPT | 289 | 30 | 130 | 140 | M16 | 24 | 35 | 90 | 90 | M10 | 15 |
| <b>EPA 080-295-SR</b> | 1/2" NPT | 154 | 186 | 1/2" NPT | 364 | 30 | 130 | 165 | M20 | 30 | 60 | 90 | 90 | M10 | 15 |
| <b>EPA 080-340-SR</b> | 1/2" NPT | 154 | 205 | 1/2" NPT | 364 | 30 | 130 | 165 | M20 | 30 | 60 | 90 | 90 | M10 | 15 |

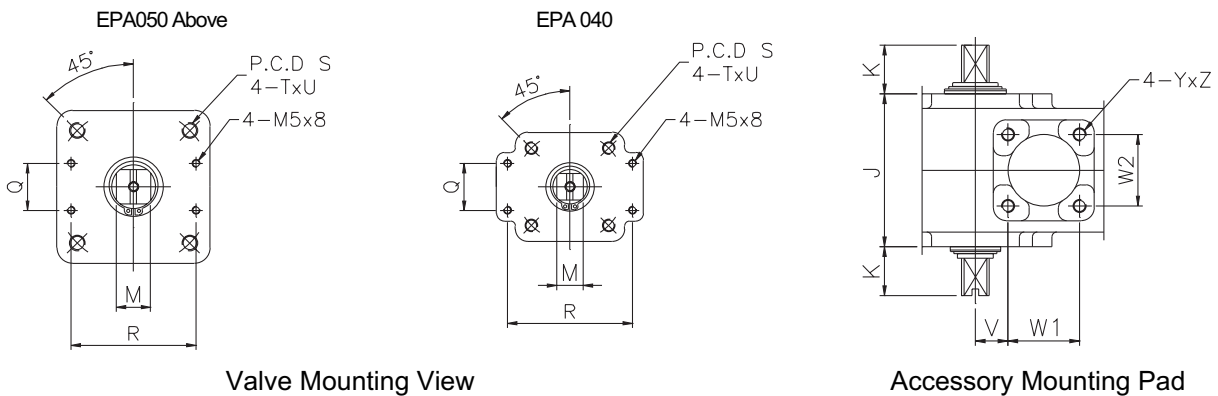
# Dimensions - EPA Series

Spring Return Actuators  
with Manual Override  
(Unit : mm)

## EPAXXX-XXX-SR-JO



## Valve / Accessory Mounting Details



Valve Mounting View

Accessory Mounting Pad

| Actuator Model        | A    | B   | C   | D   | E   | F   | G  | H   | I   | J   | K  | L  | □ M | ØN1 | ØN2 | PORT "O" |
|-----------------------|------|-----|-----|-----|-----|-----|----|-----|-----|-----|----|----|-----|-----|-----|----------|
| <b>EPA 040-080-SR</b> | 773  | 413 | 360 | 128 | 73  | 55  | 38 | 104 | 154 | 94  | 30 | 23 | 17  | 31  | 38  | 1/4" NPT |
| <b>EPA 050-105-SR</b> | 969  | 516 | 453 | 174 | 97  | 77  | 48 | 132 | 178 | 118 | 30 | 23 | 22  | 38  | 47  | 1/4" NPT |
| <b>EPA 050-130-SR</b> | 969  | 516 | 453 | 175 | 97  | 78  | 48 | 150 | 178 | 118 | 30 | 23 | 22  | 38  | 47  | 1/4" NPT |
| <b>EPA 060-130-SR</b> | 1183 | 634 | 549 | 208 | 119 | 89  | 60 | 162 | 208 | 148 | 30 | 23 | 27  | 47  | 58  | 3/8" NPT |
| <b>EPA 060-180-SR</b> | 1183 | 634 | 549 | 224 | 119 | 105 | 60 | 204 | 208 | 148 | 30 | 23 | 27  | 47  | 58  | 3/8" NPT |
| <b>EPA 080-205-SR</b> | 1465 | 791 | 674 | 267 | 145 | 122 | 75 | 235 | 288 | 188 | 50 | 39 | 36  | 62  | 70  | 1/2" NPT |
| <b>EPA 080-255-SR</b> | 1465 | 791 | 674 | 290 | 145 | 145 | 75 | 284 | 288 | 188 | 50 | 39 | 36  | 62  | 70  | 1/2" NPT |
| <b>EPA 080-295-SR</b> | 1756 | 944 | 812 | 369 | 183 | 186 | 80 | 362 | 420 | 300 | 60 | 49 | 46  | 78  | 88  | 1/2" NPT |
| <b>EPA 080-340-SR</b> | 1756 | 944 | 812 | 406 | 200 | 206 | 80 | 400 | 420 | 300 | 60 | 49 | 46  | 78  | 88  | 1/2" NPT |

| Actuator Model        | O1  | O2  | PORT "P" | P1  | Q  | R   | S   | T   | U  | V  | W1 | W2 | X   | Y   | Z  |
|-----------------------|-----|-----|----------|-----|----|-----|-----|-----|----|----|----|----|-----|-----|----|
| <b>EPA 040-080-SR</b> | 58  | 55  | 1/4" NPT | 153 | 30 | 80  | 70  | M8  | 12 | 20 | 44 | 44 | 160 | M8  | 12 |
| <b>EPA 050-105-SR</b> | 79  | 69  | 1/4" NPT | 187 | 30 | 80  | 102 | M10 | 14 | 20 | 50 | 50 | 200 | M8  | 12 |
| <b>EPA 050-130-SR</b> | 79  | 78  | 1/4" NPT | 187 | 30 | 80  | 102 | M10 | 14 | 20 | 50 | 50 | 200 | M8  | 12 |
| <b>EPA 060-130-SR</b> | 93  | 84  | 1/4" NPT | 234 | 30 | 80  | 125 | M12 | 18 | 40 | 50 | 50 | 250 | M8  | 12 |
| <b>EPA 060-180-SR</b> | 93  | 105 | 1/4" NPT | 234 | 30 | 80  | 125 | M12 | 18 | 40 | 50 | 50 | 250 | M8  | 12 |
| <b>EPA 080-205-SR</b> | 122 | 122 | 3/8" NPT | 289 | 30 | 130 | 140 | M16 | 24 | 35 | 90 | 90 | 450 | M10 | 15 |
| <b>EPA 080-255-SR</b> | 122 | 146 | 3/8" NPT | 289 | 30 | 130 | 140 | M16 | 24 | 35 | 90 | 90 | 450 | M10 | 15 |
| <b>EPA 080-295-SR</b> | 154 | 186 | 1/2" NPT | 364 | 30 | 130 | 165 | M20 | 30 | 60 | 90 | 90 | 700 | M10 | 15 |
| <b>EPA 080-340-SR</b> | 154 | 205 | 1/2" NPT | 364 | 30 | 130 | 165 | M20 | 30 | 60 | 90 | 90 | 700 | M10 | 15 |