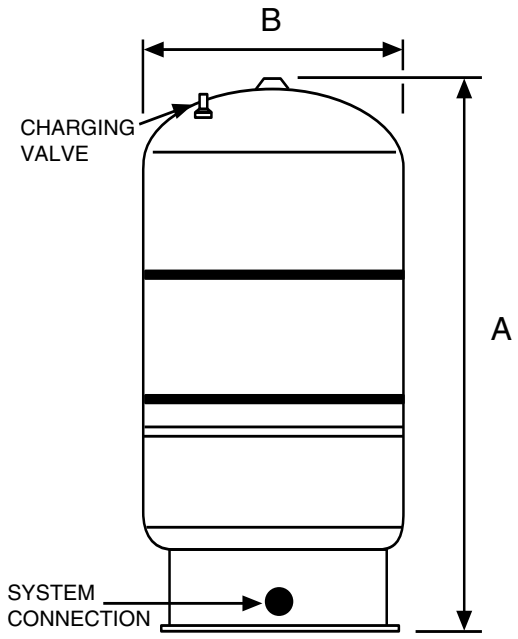
# EXTROL® Expansion Tanks
## SX Series (Non-ASME)

100 PSIG Working Pressure

## Specifications and Dimensions

| Model No. | Tank Volume | | Acceptance Volume | | A Height | | B Diameter | | C | | D | | System Conn.[1] | Ship Wt. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Liters | Gallons | Liters | Gallons | mm | inches | mm | inches | mm | inches | mm | inches | inches | kg | lbs. |
| SX-30V | 53 | 14 | 43 | 11.3 | 629 | 24¾ | 391 | 15⅜ | 132 | 5 3/16 | 46 | 1 13/16 | 1 | 11.5 | 25 |
| SX-40V | 76 | 20 | 43 | 11.3 | 826 | 32½ | 391 | 15⅜ | 132 | 5 3/16 | 46 | 1 13/16 | 1 | 15 | 33 |
| SX-60V | 121 | 32 | 43 | 11.3 | 1207 | 47½ | 391 | 15⅜ | 132 | 5 3/16 | 46 | 1 13/16 | 1 | 20 | 43 |
| SX-90V | 165 | 44 | 128.7 | 34 | 913 | 36 | 559 | 22 | 197 | 7¾ | 56 | 2 3/16 | 1¼ | 31 | 69 |
| SX-110V | 235 | 62 | 128.7 | 34 | 1186 | 46¾ | 559 | 22 | 197 | 7¾ | 56 | 2 3/16 | 1¼ | 41 | 92 |
| SX-160V | 326 | 86 | 174.1 | 46 | 1199 | 47¼ | 660 | 26 | 234 | 9¼ | 56 | 2 3/16 | 1¼ | 56 | 123 |

[1]System Connection: NPTF

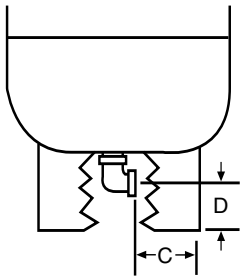



## Maximum Operating Conditions

| | |
|---|---|
| Operating Temperature | 240°F (115°C) |
| Working Pressure | 100 PSIG (7 bar) |

## Specifications

| Description | Standard Construction |
|---|---|
| Shell | Steel |
| Diaphragm | Heavy Duty Butyl/EPDM |
| Factory Precharge | 12 PSIG (.84 bar) |




All dimensions and weights are approximate.

Job Name_____

Location _____

_____

_____

Engineer _____

Contractor _____

Contractor P.O. No._____

Sales Representative _____

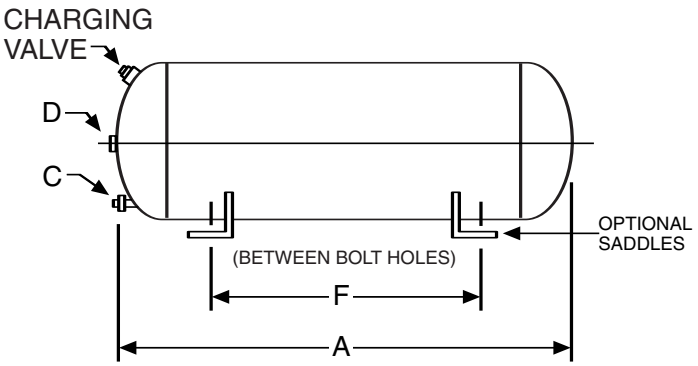
Model No. Ordered _____

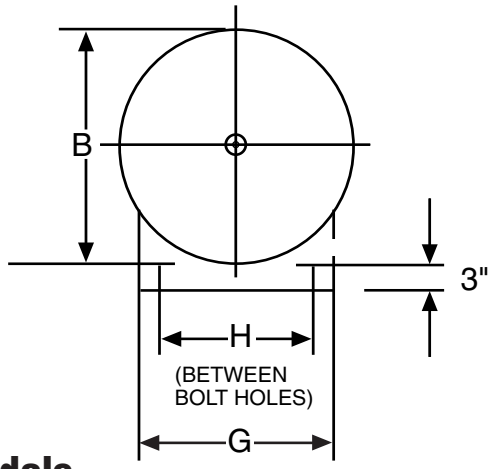


*Submittal data sheets can ONLY be ordered as a "Submittal Data Sheet Pack", using MC# 4400. They are not available to order on an individual basis, however each data sheet is available on the Amtrol Web Site and can be downloaded and printed for use as needed.*

# EXTROL® Expansion Tanks
## Horizontal AX Series (ASME)

125 PSIG Working Pressure




## Horizontal ASME Models

| Model No. | Tank Volume | | Accept. Volume | | A Length | | B Diameter | | Sys. Conn.[1] ins. | | Ship Wt. with Saddles | | Saddles for Horizontal Mounting "F" | | "G" | | "H" | | Ship Wt. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Lit. | Gal. | Lit. | Gal. | mm | ins. | mm | ins. | "C" | "D" | kg | lbs. | mm | ins. | mm | ins. | mm | ins. | kg | lbs. |
| AX-15 | 30.3 | 8.0 | 9.1 | 2.4 | 489 | 19¼ | 305 | 12 | | ½ | 19 | 41 | 365 | 14⅜ | 254 | 10 | 203 | 8 | 17 | 37 |
| AX-20 | 41.3 | 10.9 | 9.1 | 2.4 | 607 | 26¼ | 305 | 12 | | ½ | 23 | 50 | 537 | 21⅛ | 254 | 10 | 203 | 8 | 21 | 46 |
| AX-40 | 82.2 | 21.7 | 42.8 | 11.3 | 737 | 29 | 356 | 16¼ | | ½ | 44 | 96 | 557 | 22 | 356 | 14 | 305 | 12 | 37 | 82 |
| AX-60 | 127.2 | 33.6 | 42.8 | 11.3 | 1073 | 43 | 356 | 16¼ | | ½ | 53 | 116 | 918 | 36⅛ | 356 | 14 | 305 | 12 | 47 | 103 |
| AX-80 | 168.1 | 44.4 | 85.5 | 22.6 | 725 | 28 9/16 | 610 | 24 | | 1 | 65 | 142 | 429 | 16⅞ | 508 | 20 | 457 | 18 | 58 | 127 |
| AX-100 | 211.8 | 55.7 | 85.5 | 22.6 | 840 | 33 | 610 | 24 | | 1 | 70 | 152 | 546 | 21½ | 508 | 20 | 457 | 18 | 62 | 137 |
| AX-120 | 257.4 | 68.0 | 128.7 | 34.0 | 1051 | 41 3/16 | 610 | 24 | | 1 | 107 | 235 | 749 | 29½ | 508 | 20 | 457 | 18 | 95 | 210 |
| AX-144 | 291.5 | 77.0 | 128.7 | 34.0 | 1170 | 46 | 610 | 24 | | 1 | 112 | 246 | 873 | 34⅜ | 508 | 20 | 457 | 18 | 109 | 240 |
| AX-180 | 340.7 | 90.0 | 128.7 | 34.0 | 1357 | 53 7/16 | 610 | 24 | | 1 | 113 | 248 | 1060 | 41¾ | 508 | 20 | 457 | 18 | 110 | 242 |
| AX-200 | 416.4 | 110.0 | 128.7 | 34.0 | 1624 | 64 | 610 | 24 | | 1 | 139 | 306 | 1327 | 52¼ | 508 | 20 | 457 | 18 | 125 | 275 |
| AX-240 | 500.0 | 132.0 | 174.0 | 46.0 | 1295 | 51 | 762 | 30 | | 1 | 194 | 428 | 889 | 35 | 610 | 24 | 559 | 22 | 181 | 398 |
| AX-260 | 600.0 | 159.0 | 212.0 | 56.0 | 1581 | 62¼ | 762 | 30 | 1¼ | | 218 | 480 | 1124 | 44¼ | 610 | 24 | 559 | 22 | 204 | 449 |
| AX-280 | 800.0 | 211.0 | 318.0 | 84.0 | 2032 | 80 | 762 | 30 | 1¼ | | 299 | 660 | 1575 | 62 | 610 | 24 | 559 | 22 | 286 | 630 |

[1]System connection is NPT

## Maximum Operating Conditions

| | |
|---|---|
| Operating Temperature | 240°F (115°C) |
| Working Pressure | 125 PSIG (8.8 bar) |

Designed & constructed per ASME Section VIII, Division 1.

## Specifications

| Description | Standard Construction |
|---|---|
| Shell | Carbon Steel |
| Diaphragm | Heavy Duty Butyl/EPDM ANSI/NSF61 |
| Coating | Red Oxide Prime |

All dimensions and weights are approximate.

Job Name _____

Location _____

_____

_____

Engineer _____

Contractor _____

Contractor P.O. No. _____

Sales Representative _____

Model No. Ordered _____

System Operating Temp. Range _____

System Operating Pressure Range _____

Tank Precharge Pressure _____

Date Submitted _____

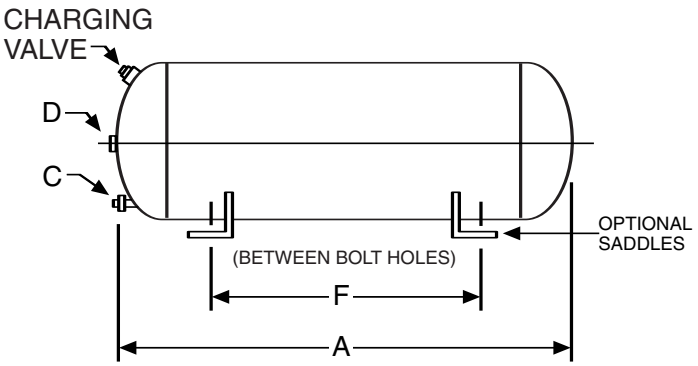
ASME CERTIFICATION REQUIRED __ YES __ NO

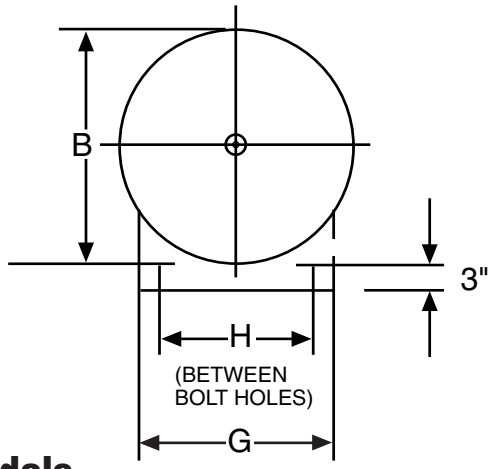


*Submittal data sheets can ONLY be ordered as a "Submittal Data Sheet Pack", using MC# 4400. They are not available to order on an individual basis, however each data sheet is available on the Amtrol Web Site and can be downloaded and printed for use as needed.*

# EXTROL® Expansion Tanks
## Horizontal AX Series (ASME)

150 PSIG Working Pressure




## Horizontal ASME Models

| Model No. | Tank Volume | | Accept. Volume | | A Length | | B Diameter | | Sys. Conn.[1] ins. | | Ship Wt. w/o Saddles | | Saddles for Horizontal Mounting "F" | | "G" | | "H" | | Ship Wt. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Lit. | Gal. | Lit. | Gal. | mm | ins. | mm | ins. | "C" | "D" | kg | lbs. | mm | ins. | mm | ins. | mm | ins. | kg | lbs. |
| AX-15 | 30.3 | 8.0 | 9.1 | 2.4 | 489 | 19¼ | 305 | 12 | | ½ | 17 | 37 | 365 | 14⅜ | 254 | 10 | 203 | 8 | 19 | 41 |
| AX-20 | 41.3 | 10.9 | 9.1 | 2.4 | 607 | 26¼ | 305 | 12 | | ½ | 21 | 46 | 537 | 21⅛ | 254 | 10 | 203 | 8 | 23 | 50 |
| AX-40 | 82.2 | 21.7 | 42.8 | 11.3 | 737 | 29 | 356 | 16¼ | | ½ | 37 | 82 | 557 | 22 | 356 | 14 | 305 | 12 | 44 | 96 |
| AX-60 | 127.2 | 33.6 | 42.8 | 11.3 | 1073 | 43 | 356 | 16¼ | | ½ | 47 | 103 | 918 | 36⅛ | 356 | 14 | 305 | 12 | 53 | 116 |
| AX-80 | 168.1 | 44.4 | 85.5 | 22.6 | 725 | 28 9/16 | 610 | 24 | | 1 | 62 | 137 | 429 | 16⅞ | 508 | 20 | 457 | 18 | 73 | 160 |
| AX-100 | 211.8 | 55.7 | 85.5 | 22.6 | 840 | 33 | 610 | 24 | | 1 | 69 | 151 | 546 | 21½ | 508 | 20 | 457 | 18 | 79 | 174 |
| AX-120 | 257.4 | 68.0 | 128.7 | 34.0 | 1051 | 41 3/16 | 610 | 24 | | 1 | 116 | 255 | 749 | 29½ | 508 | 20 | 457 | 18 | 126 | 278 |
| AX-144 | 291.5 | 77.0 | 128.7 | 34.0 | 1170 | 46 | 610 | 24 | | 1 | 122 | 269 | 873 | 34⅜ | 508 | 20 | 457 | 18 | 133 | 292 |
| AX-180 | 340.7 | 90.0 | 128.7 | 34.0 | 1357 | 53 7/16 | 610 | 24 | | 1 | 125 | 276 | 1060 | 41¾ | 508 | 20 | 457 | 18 | 136 | 299 |
| AX-200 | 416.4 | 110.0 | 128.7 | 34.0 | 1624 | 64 | 610 | 24 | | 1 | 155 | 342 | 1327 | 52¼ | 508 | 20 | 457 | 18 | 166 | 365 |
| AX-240 | 500.0 | 132.0 | 174.0 | 46.0 | 1295 | 51 | 762 | 30 | | 1 | 195 | 428 | 889 | 35 | 610 | 24 | 559 | 22 | 208 | 458 |
| AX-260 | 600.0 | 159.0 | 212.0 | 56.0 | 1581 | 62¼ | 762 | 30 | 1¼ | | 218 | 480 | 1124 | 44¼ | 610 | 24 | 559 | 22 | 232 | 510 |
| AX-280 | 800.0 | 211.0 | 318.0 | 84.0 | 2032 | 80 | 762 | 30 | 1¼ | | 300 | 660 | 1575 | 62 | 610 | 24 | 559 | 22 | 314 | 690 |

[1]System connection is NPT

## Maximum Operating Conditions

| | |
|---|---|
| Operating Temperature | 240°F (115°C) |
| Working Pressure | 150 PSIG (10.5 bar) |

Designed & constructed per ASME Section VIII, Division 1.

## Specifications

| Description | Standard Construction |
|---|---|
| Shell | Carbon Steel |
| Diaphragm | Heavy Duty Butyl/EPDM ANSI/NSF61 |
| Coating | Red Oxide Prime |

All dimensions and weights are approximate.

Job Name _____

Location _____

_____

_____

Engineer _____

Contractor _____

Contractor P.O. No. _____

Sales Representative _____

Model No. Ordered _____

System Operating Temp. Range _____

System Operating Pressure Range _____

Tank Precharge Pressure _____

Date Submitted _____

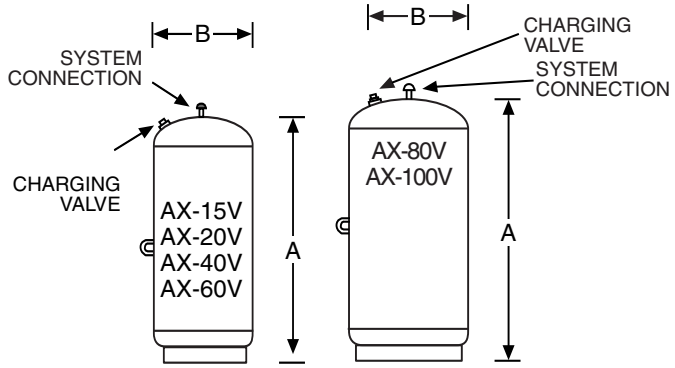
ASME CERTIFICATION REQUIRED __ YES __ NO

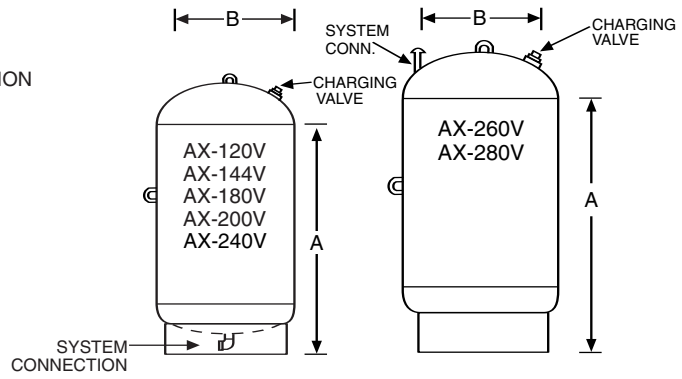


*Submittal data sheets can ONLY be ordered as a "Submittal Data Sheet Pack", using MC# 4400. They are not available to order on an individual basis, however each data sheet is available on the Amtrol Web Site and can be downloaded and printed for use as needed.*

# EXTROL® Expansion Tanks
## Vertical AX Series (ASME)

125 PSIG Working Pressure

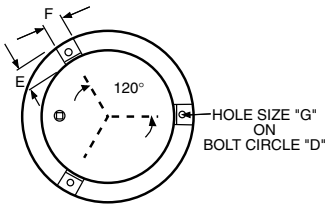



## Vertical ASME Models

| Model No. | Tank Volume | | Accept Volume | | A Height | | B Diameter | | Sys. Conn.[1] | Ship Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Lit. | Gal. | Lit. | Gal. | mm | ins. | mm | ins. | ins. | kg | lbs. |
| AX-15V | 30.3 | 8.0 | 9.1 | 2.4 | 495 | 19½ | 305 | 12 | ½ | 20 | 43 |
| AX-20V | 41.3 | 10.9 | 9.1 | 2.4 | 673 | 26½ | 305 | 12 | ½ | 21 | 45 |
| AX-40V | 82.2 | 21.7 | 42.8 | 11.3 | 749 | 29½ | 413 | 16¼ | ½ | 41 | 90 |
| AX-60V | 127.2 | 33.6 | 42.8 | 11.3 | 1146 | 45⅛ | 413 | 16¼ | ½ | 50 | 110 |
| AX-80V | 168.1 | 44.5 | 85.5 | 22.6 | 705 | 29 | 610 | 24 | 1 | 66 | 156 |
| AX-100V | 211.8 | 55.7 | 85.5 | 22.6 | 822 | 33 1/16 | 610 | 24 | 1 | 76 | 179 |
| AX-120V | 257.4 | 68.0 | 128.7 | 34.0 | 1114 | 47⅜ | 610 | 24 | 1 | 102 | 224 |
| AX-144V | 291.5 | 77.0 | 128.7 | 34.0 | 1238 | 52¼ | 610 | 24 | 1 | 111 | 244 |
| AX-180V | 340.7 | 90.0 | 128.7 | 34.0 | 1426 | 59⅝ | 610 | 24 | 1 | 121 | 266 |
| AX-200V | 416.4 | 110.0 | 128.7 | 34.0 | 1591 | 66⅛ | 610 | 24 | 1 | 134 | 296 |
| AX-240V | 500.0 | 132.0 | 174.0 | 46.0 | 1357 | 57⅞ | 762 | 30 | 1 | 194 | 427 |
| AX-260V | 600.0 | 159.0 | 212.0 | 56.0 | 1537 | 64¾ | 762 | 30 | 1¼ | 216 | 476 |
| AX-280V | 800.0 | 211.0 | 318.0 | 84.0 | 1989 | 81¾ | 762 | 30 | 1¼ | 293 | 645 |

[1]System connection is NPT




BOTTOM VIEW

## Optional Seismic Restraints

| TANK DIAM. B | BOLT CIRCLE D | DIM. E | DIM. F | HOLE SIZE G |
|---|---|---|---|---|
| 12 | 12-¾ | 2 | 2 | 9/16 |
| 16-¼ | 14-¾ | 2 | 2 | 9/16 |
| 24 | 18 | 2 | 2 | 9/16 |
| 30 | 27 | 3 | 3 | ¾ |

## Maximum Operating Conditions

| | |
|---|---|
| Operating Temperature | 240°F (115°C) |
| Working Pressure | 125 PSIG (8.8 bar) |

## Specifications

| Description | Standard Construction |
|---|---|
| Shell | Carbon Steel |
| Diaphragm | Heavy Duty Butyl/EPDM ANSI/NSF61 |
| System Connection | Forged Steel |
| Coating | Red Oxide Prime |

Designed & constructed per ASME Section VIII, Division 1.

Job Name _____

Location _____

_____

_____

Engineer _____

Contractor _____

Contractor P.O. No. _____

Sales Representative _____

Model No. Ordered _____

System Operating Temp. Range _____

System Operating Pressure Range _____

Tank Precharge Pressure _____

Date Submitted _____

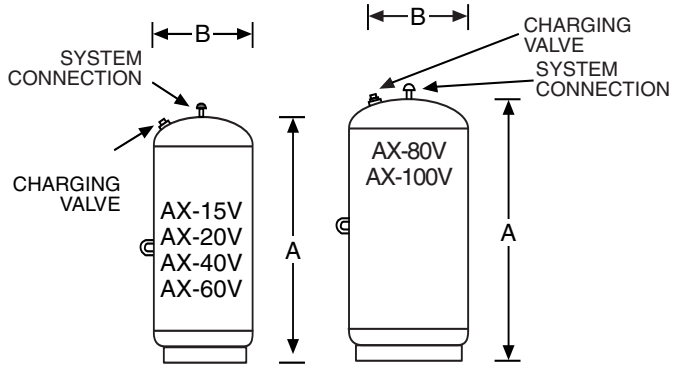
ASME CERTIFICATION REQUIRED __ YES __ NO

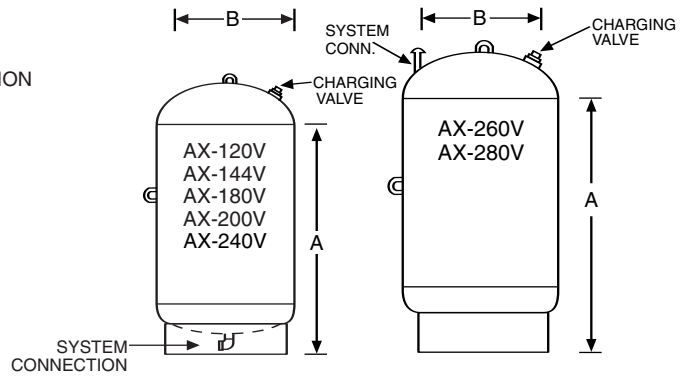


*Submittal data sheets can ONLY be ordered as a "Submittal Data Sheet Pack", using MC# 4400. They are not available to order on an individual basis, however each data sheet is available on the Amtrol Web Site and can be downloaded and printed for use as needed.*

# EXTROL® Expansion Tanks
## Vertical AX Series (ASME)

150 PSIG Working Pressure

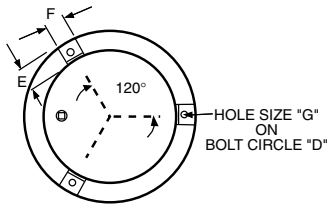



## Vertical ASME Models

| Model No. | Tank Volume | | Accept Volume | | A Height | | B Diameter | | Sys. Conn.[1] | Ship Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Lit. | Gal. | Lit. | Gal. | mm | ins. | mm | ins. | ins. | kg | lbs. |
| AX-15V | 30.3 | 8.0 | 9.1 | 2.4 | 495 | 19½ | 305 | 12 | ½ | 20 | 43 |
| AX-20V | 41.3 | 10.9 | 9.1 | 2.4 | 673 | 26½ | 305 | 12 | ½ | 21 | 45 |
| AX-40V | 82.2 | 21.7 | 42.8 | 11.3 | 749 | 29½ | 413 | 16¼ | ½ | 41 | 90 |
| AX-60V | 127.2 | 33.6 | 42.8 | 11.3 | 1146 | 45⅛ | 413 | 16¼ | ½ | 50 | 110 |
| AX-80V | 168.1 | 44.4 | 85.5 | 22.6 | 737 | 29 | 610 | 24 | 1 | 71 | 156 |
| AX-100V | 211.8 | 55.7 | 85.5 | 22.6 | 856 | 33 11/16 | 610 | 24 | 1 | 82 | 181 |
| AX-120V | 257.4 | 68.0 | 128.7 | 34.0 | 1203 | 47⅜ | 610 | 24 | 1 | 111 | 244 |
| AX-144V | 291.5 | 77.0 | 128.7 | 34.0 | 1327 | 52¼ | 610 | 24 | 1 | 121 | 267 |
| AX-180V | 340.7 | 90.0 | 128.7 | 34.0 | 1514 | 59⅝ | 610 | 24 | 1 | 134 | 294 |
| AX-200V | 416.4 | 110.0 | 128.7 | 34.0 | 1680 | 66⅛ | 610 | 24 | 1 | 151 | 332 |
| AX-240V | 500.0 | 132 | 174.0 | 46.0 | 1470 | 57⅞ | 762 | 30 | 1 | 194 | 427 |
| AX-260V | 600.0 | 159.0 | 212.0 | 56.0 | 1645 | 64¾ | 762 | 30 | 1¼ | 216 | 476 |
| AX-280V | 800.0 | 211.0 | 318.0 | 84.0 | 2076 | 81¾ | 762 | 30 | 1¼ | 293 | 645 |

[1]System connection is NPT




BOTTOM VIEW

## Optional Seismic Restraints

| TANK DIAM. B | BOLT CIRCLE D | DIM. E | DIM. F | HOLE SIZE G |
|---|---|---|---|---|
| 12 | 12-¾ | 2 | 2 | 9/16 |
| 16-¼ | 14-¾ | 2 | 2 | 9/16 |
| 24 | 18 | 2 | 2 | 9/16 |
| 30 | 27 | 3 | 3 | ¾ |

## Maximum Operating Conditions

| | |
|---|---|
| Operating Temperature | 240°F (115°C) |
| Working Pressure | 150 PSIG (10.5 bar) |

## Specifications

| Description | Standard Construction |
|---|---|
| Shell | Carbon Steel |
| Diaphragm | Heavy Duty Butyl/EPDM ANSI/NSF61 |
| System Connection | Forged Steel |
| Coating | Red Oxide Prime |

Designed & constructed per ASME Section VIII, Division 1.

Job Name _____

Location _____

_____

_____

Engineer _____

Contractor _____

Contractor P.O. No. _____

Sales Representative _____

Model No. Ordered _____

System Operating Temp. Range _____

System Operating Pressure Range _____

Tank Precharge Pressure _____

Date Submitted _____

ASME CERTIFICATION REQUIRED __ YES __ NO



*Submittal data sheets can ONLY be ordered as a "Submittal Data Sheet Pack", using MC# 4400. They are not available to order on an individual basis, however each data sheet is available on the Amtrol Web Site and can be downloaded and printed for use as needed.*

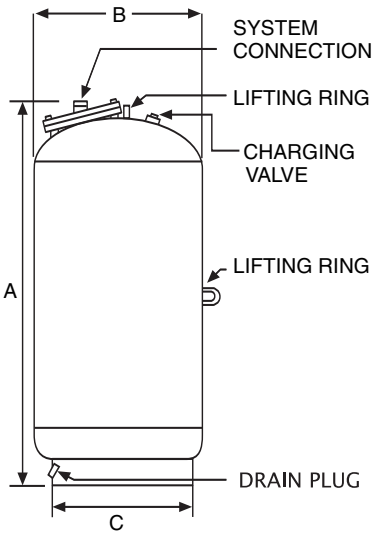
# EXTROL® Expansion Tanks
## "L" Series (ASME)

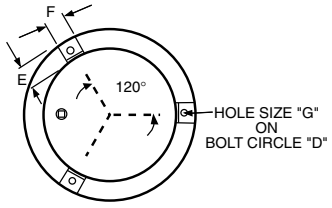
### 125 PSIG WP ASME Models

125 PSIG Working Pressure

| Model No. | Tank Volume | | A Height | | B Diameter | | C Stand Dia. | | Sys. Conn.[1] | | Ship Weight | | Drain Conn. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Lit. | Gal. | mm | ins. | mm | ins. | mm | ins. | mm | ins. | kg | lbs. | mm | ins. |
| 200-L | 200 | 53 | 956 | 37 5/8 | 610 | 24 | 483 | 19 | 25 | 1 | 87 | 192 | 19 | 3/4 |
| 300-L | 300 | 80 | 1308 | 51 1/2 | 610 | 24 | 483 | 19 | 25 | 1 | 122 | 268 | 19 | 3/4 |
| 400-L | 400 | 106 | 1662 | 65 7/16 | 610 | 24 | 483 | 19 | 25 | 1 | 140 | 309 | 19 | 3/4 |
| 500-L | 500 | 132 | 2006 | 79 | 610 | 24 | 483 | 19 | 25 | 1 | 149 | 328 | 19 | 3/4 |
| 600-L | 600 | 158 | 1619 | 63 3/4 | 762 | 30 | 610 | 24 | 38 | 1 1/2 | 231 | 510 | 25 | 1 |
| 800-L | 800 | 211 | 2076 | 81 3/4 | 762 | 30 | 610 | 24 | 38 | 1 1/2 | 256 | 565 | 25 | 1 |
| 1000-L | 1000 | 264 | 1867 | 73 1/2 | 914 | 36 | 762 | 30 | 38 | 1 1/2 | 313 | 691 | 32 | 1 1/4 |
| 1200-L | 1200 | 317 | 2181 | 85 7/8 | 914 | 36 | 762 | 30 | 38 | 1 1/2 | 353 | 779 | 32 | 1 1/4 |
| 1400-L | 1400 | 370 | 2496 | 98 1/4 | 914 | 36 | 762 | 30 | 38 | 1 1/2 | 411 | 905 | 32 | 1 1/4 |
| 1600-L | 1600 | 422 | 1756 | 69 1/8 | 1219 | 48 | 1067 | 42 | 38 | 1 1/2 | 537 | 1183 | 38 | 1 1/2 |
| 2000-L | 2000 | 528 | 2145 | 84 | 1219 | 48 | 1067 | 42 | 38 | 1 1/2 | 573 | 1264 | 38 | 1 1/2 |
| 2500-L | 2500 | 660 | 2562 | 100 7/8 | 1219 | 48 | 1067 | 42 | 50 | 2 | 655 | 1445 | 38 | 1 1/2 |
| 3000-L | 3000 | 792 | 3000 | 118 1/8 | 1219 | 48 | 1067 | 42 | 50 | 2 | 739 | 1630 | 38 | 1 1/2 |
| 3500-L | 3500 | 925 | 2820 | 111 | 1372 | 54 | 1067 | 42 | 50 | 2 | 957 | 2110 | 38 | 1 1/2 |
| 4000-L | 4000 | 1057 | 3175 | 125 | 1372 | 54 | 1067 | 42 | 50 | 2 | 1012 | 2230 | 38 | 1 1/2 |
| 5000-L | 5000 | 1321 | 3251 | 128 | 1524 | 60 | 1067 | 42 | 50 | 2 | 1111 | 2450 | 38 | 1 1/2 |
| 7500-L | 7500 | 1980 | 3226 | 127 | 1829 | 72 | 1372 | 54 | 76 | 3 | 1818 | 4000 | 38 | 1 1/2 |
| 10000-L | 10000 | 2640 | 4039 | 159 | 1829 | 72 | 1372 | 54 | 76 | 3 | 2227 | 4900 | 38 | 1 1/2 |
| 15000-L | 15000 | 3963 | 5918 | 233 | 1829 | 72 | 1372 | 54 | 76 | 3 | 2727 | 6000 | 38 | 1 1/2 |

[1]System connection is NPTF




BOTTOM VIEW

### Maximum Operating Conditions

| | |
|---|---|
| Operating Temperature | 240°F (115°C) |
| Working Pressure | 125 PSIG (8.8 bar) |

*Available in 175 or 250 PSIG.

### Specifications

| Description | Standard Construction |
|---|---|
| Shell | Steel |
| Bladder | Heavy Duty Butyl ANSI/NSF61 |
| Bladder Thickness | .100 Ins. Minimum |
| System Connection | Forged Steel |
| Factory Precharge | 12 PSIG (.84 bar) |
| Finish | Red Oxide Prime |

Designed & constructed per ASME Section VIII, Division 1.
Allow 18" (460 mm) minimum clearance for piping.

### Optional Seismic Restraints

| TANK Diam B | BOLT CIRCLE D | DIM. E | DIM. F | HOLE SIZE G |
|---|---|---|---|---|
| 24 | 21 | 2 | 2 | 9/16 |
| 30 | 27 | 3 | 3 | 11/16 |
| 36 | 34 | 4 | 4 | 7/8 |
| 48 | 46 | 4 | 4 | 7/8 |
| 54 | 46 | 4 | 4 | 7/8 |
| 60 | 46 | 4 | 4 | 7/8 |
| 72 | 58 | 4 | 4 | 1 |

All dimensions and weights are approximate.

Job Name _____

Location _____

_____

_____

Engineer _____

Contractor _____

Contractor P.O. No. _____

Sales Representative _____

Model No. Ordered _____

System Operating Temp Range _____

System Operating Pressure Range _____

Tank Precharge PSIG _____

Date Submitted _____

ASME CERTIFICATION REQUIRED __ YES __ NO



*Submittal data sheets can ONLY be ordered as a "Submittal Data Sheet Pack", using MC# 4400. They are not available to order on an individual basis, however each data sheet is available on the Amtrol Web Site and can be downloaded and printed for use as needed.*

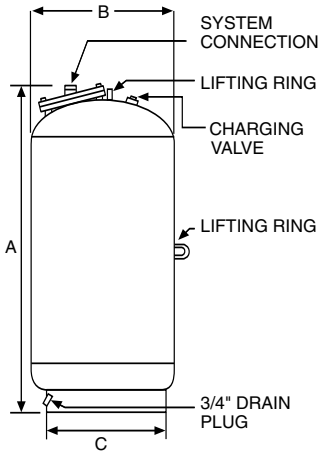
# EXTROL® Expansion Tanks
## "L" Series (ASME)

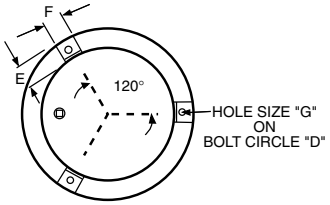
150 PSIG Working Pressure

## 150 PSIG WP ASME Models

| Model No. | Tank Volume | | A Height | | B Diameter | | C Stand Dia. | | Sys. Conn.[1] | | Ship Weight | | Drain Conn. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Lit. | Gal. | mm | ins. | mm | ins. | mm | ins. | mm | ins. | kg | lbs. | mm | ins. |
| 200-L | 200 | 53 | 956 | 37 5/8 | 610 | 24 | 483 | 19 | 25 | 1 | 93 | 205 | 19 | 3/4 |
| 300-L | 300 | 80 | 1308 | 51 1/2 | 610 | 24 | 483 | 19 | 25 | 1 | 133 | 292 | 19 | 3/4 |
| 400-L | 400 | 106 | 1662 | 65 7/16 | 610 | 24 | 483 | 19 | 25 | 1 | 156 | 343 | 19 | 3/4 |
| 500-L | 500 | 132 | 2006 | 79 | 610 | 24 | 483 | 19 | 25 | 1 | 169 | 372 | 19 | 3/4 |
| 600-L | 600 | 158 | 1619 | 63 3/4 | 762 | 30 | 610 | 24 | 38 | 1 1/2 | 231 | 510 | 25 | 1 |
| 800-L | 800 | 211 | 2076 | 81 3/4 | 762 | 30 | 610 | 24 | 38 | 1 1/2 | 257 | 565 | 25 | 1 |
| 1000-L | 1000 | 264 | 1867 | 73 1/2 | 914 | 36 | 762 | 30 | 38 | 1 1/2 | 340 | 750 | 32 | 1 1/4 |
| 1200-L | 1200 | 317 | 2181 | 85 7/8 | 914 | 36 | 762 | 30 | 38 | 1 1/2 | 390 | 860 | 32 | 1 1/4 |
| 1400-L | 1400 | 370 | 2496 | 98 1/4 | 914 | 36 | 762 | 30 | 38 | 1 1/2 | 440 | 970 | 32 | 1 1/4 |
| 1600-L | 1600 | 422 | 1756 | 69 1/8 | 1219 | 48 | 1067 | 42 | 38 | 1 1/2 | 647 | 1425 | 38 | 1 1/2 |
| 2000-L | 2000 | 528 | 2145 | 84 | 1219 | 48 | 1067 | 42 | 38 | 1 1/2 | 760 | 1675 | 38 | 1 1/2 |
| 2500-L | 2500 | 660 | 2562 | 100 7/8 | 1219 | 48 | 1067 | 42 | 50 | 2 | 883 | 1945 | 38 | 1 1/2 |
| 3000-L | 3000 | 792 | 3000 | 118 1/8 | 1219 | 48 | 1067 | 42 | 50 | 2 | 1010 | 2225 | 38 | 1 1/2 |
| 3500-L | 3500 | 925 | 2820 | 111 | 1372 | 54 | 1067 | 42 | 50 | 2 | 1078 | 2375 | 38 | 1 1/2 |
| 4000-L | 4000 | 1057 | 3175 | 125 | 1372 | 54 | 1067 | 42 | 50 | 2 | 1198 | 2640 | 38 | 1 1/2 |
| 5000-L | 5000 | 1321 | 3251 | 128 | 1524 | 60 | 1067 | 42 | 50 | 2 | 1700 | 3740 | 38 | 1 1/2 |

[1]System connection is NPTF




BOTTOM VIEW

## Maximum Operating Conditions

| | |
|---|---|
| Operating Temperature | 240°F (115°C) |
| Working Pressure | 150 PSIG (10.5 bar) |

*Available in 175 or 250 PSIG.

## Specifications

| Description | Standard Construction |
|---|---|
| Shell | Steel |
| Bladder | Heavy Duty Butyl ANSI/NSF61 |
| Bladder Thickness | .100 Ins. Minimum |
| System Connection | Forged Steel |
| Factory Precharge | 12 PSIG (.84 bar) |
| Finish | Red Oxide Prime |

Designed & constructed per ASME Section VIII, Division 1.
Allow 18" (460 mm) minimum clearance for piping.

## Optional Seismic Restraints

| TANK Diam B | BOLT CIRCLE D | DIM. E | DIM. F | HOLE SIZE G |
|---|---|---|---|---|
| 24 | 21 | 2 | 2 | 9/16 |
| 30 | 27 | 3 | 3 | 11/16 |
| 36 | 34 | 4 | 4 | 7/8 |
| 48 | 46 | 4 | 4 | 7/8 |
| 54 | 46 | 4 | 4 | 7/8 |

All dimensions and weights are approximate.

Job Name _____

Location _____

_____

_____

Engineer _____

Contractor _____

Contractor P.O. No. _____

Sales Representative _____

Model No. Ordered _____

System Operating Temp Range _____

System Operating Pressure Range _____

Tank Precharge PSIG _____

Date Submitted _____

ASME CERTIFICATION REQUIRED __ YES __ NO



*Submittal data sheets can ONLY be ordered as a "Submittal Data Sheet Pack", using MC# 4400. They are not available to order on an individual basis, however each data sheet is available on the Amtrol Web Site and can be downloaded and printed for use as needed.*

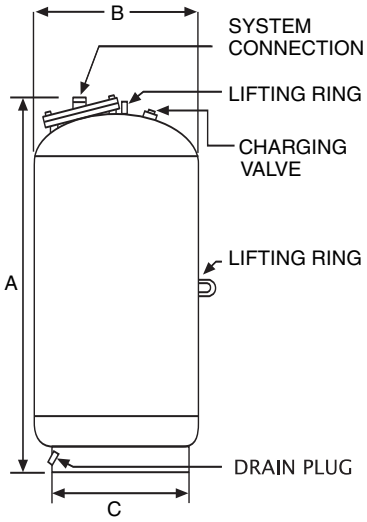
# EXTROL® Expansion Tanks
## "L" Series (ASME)

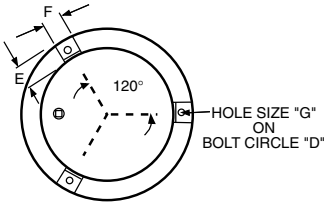
175 PSIG and 250 PSIG Working Pressure

## 175 and 250 PSIG WP ASME Models

| Model No. | Tank Volume | | A Height | | B Diameter | | C Stand Dia. | | Sys. Conn.[1] | Shipping Weight 175 PSIG | | Shipping Weight 250 PSIG | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Lit. | Gal. | mm | ins. | mm | ins. | mm | ins. | ins. | kg | lbs. | kg | lbs. |
| 200-L | 200 | 53 | 940 | 37 | 610 | 24 | 483 | 19 | 1 | 114 | 250 | 132 | 290 |
| 300-L | 300 | 80 | 1302 | 51¼ | 610 | 24 | 483 | 19 | 1 | 146 | 320 | 175 | 385 |
| 400-L | 400 | 106 | 1654 | 65⅛ | 610 | 24 | 483 | 19 | 1 | 170 | 375 | 211 | 465 |
| 500-L | 500 | 132 | 2010 | 79⅛ | 610 | 24 | 483 | 19 | 1 | 198 | 435 | 248 | 545 |
| 600-L | 600 | 158 | 1651 | 65 | 762 | 30 | 610 | 24 | 1½ | 270 | 595 | 327 | 720 |
| 800-L | 800 | 211 | 2108 | 83 | 762 | 30 | 610 | 24 | 1½ | 282 | 620 | 411 | 905 |
| 1000-L | 1000 | 264 | 1867 | 73½ | 914 | 36 | 762 | 30 | 1½ | 340 | 750 | 461 | 1015 |
| 1200-L | 1200 | 317 | 2181 | 85⅞ | 914 | 36 | 762 | 30 | 1½ | 390 | 860 | 533 | 1175 |
| 1400-L | 1400 | 370 | 2496 | 98¼ | 914 | 36 | 762 | 30 | 1½ | 440 | 970 | 606 | 1335 |
| 1600-L | 1600 | 422 | 1768 | 69⅝ | 1219 | 48 | 1067 | 42 | 1½ | 647 | 1425 | 869 | 1916 |
| 2000-L | 2000 | 528 | 2121 | 83½ | 1219 | 48 | 1067 | 42 | 1½ | 760 | 1675 | 1005 | 2215 |
| 2500-L | 2500 | 660 | 2562 | 100⅛ | 1219 | 48 | 1067 | 42 | 2 | 883 | 1945 | 1173 | 2585 |
| 3000-L | 3000 | 792 | 3000 | 118½ | 1219 | 48 | 1067 | 42 | 2 | 1010 | 2225 | 1338 | 2950 |
| 3500-L | 3500 | 925 | 2820 | 111 | 1372 | 54 | 1067 | 42 | 2 | 1078 | 2375 | 1661 | 3660 |
| 4000-L | 4000 | 1057 | 3163 | 124½ | 1372 | 54 | 1067 | 42 | 2 | 1198 | 2640 | 1851 | 4080 |
| 5000-L | 5000 | 1321 | 3251 | 128 | 1524 | 60 | 1067 | 42 | 2 | 1863 | 4100 | 1909 | 4200 |
| 7500-L | 7500 | 1980 | 3226 | 127 | 1829 | 72 | 1372 | 54 | 3 | 2045 | 4500 | 2522 | 5550 |
| 10000-L | 10000 | 2640 | 4039 | 159 | 1829 | 72 | 1372 | 54 | 3 | 2500 | 5500 | 3090 | 6800 |
| 15000-L | 15000 | 3963 | 5918 | 233 | 1829 | 72 | 1372 | 54 | 3 | 3590 | 7900 | 4454 | 9800 |

[1]System connection is NPT




BOTTOM VIEW

## Maximum Operating Conditions

| | |
|---|---|
| Operating Temperature | 240°F (115°C) |
| Working Pressure (Indicate 175 or 250 when ordering) | 175 PSIG (12.3 bar) or 250 PSIG (17.6 bar) |

## Specifications

| Description | Standard Construction |
|---|---|
| Shell | Steel |
| Bladder | Heavy Duty Butyl ANSI/NSF61 |
| Bladder Thickness | .100 Ins. Minimum |
| System Connection | Forged Steel |
| Factory Precharge | 12 PSIG (.84 bar) |

Designed & constructed per ASME Section VIII, Division 1.
Allow 18" (460 mm) Minimum Clearance for Piping.

## Optional Seismic Restraints

| TANK Diam B | BOLT CIRCLE D | DIM. E | DIM. F | HOLE SIZE G |
|---|---|---|---|---|
| 24 | 21 | 2 | 2 | 9/16 |
| 30 | 28 | 4 | 4 | ⅞ |
| 36 | 34 | 4 | 4 | ⅞ |
| 48 | 46 | 4 | 4 | ⅞ |
| 54 | 46 | 4 | 4 | ⅞ |
| 60 | 46 | 4 | 4 | ⅞ |
| 72 | 58 | 4 | 4 | 1 |

All dimensions and weights are approximate.

Job Name _____

Location _____

_____

_____

Engineer _____

Contractor _____

Contractor P.O. No. _____

Sales Representative _____

Model No. Ordered _____

System Operating Temp Range _____

System Operating Pressure Range _____

Tank Precharge PSIG _____

Date Submitted _____

ASME CERTIFICATION REQUIRED __ YES __ NO



*Submittal data sheets can ONLY be ordered as a "Submittal Data Sheet Pack", using MC# 4400. They are not available to order on an individual basis, however each data sheet is available on the Amtrol Web Site and can be downloaded and printed for use as needed.*

# EXTROL® Expansion Tanks

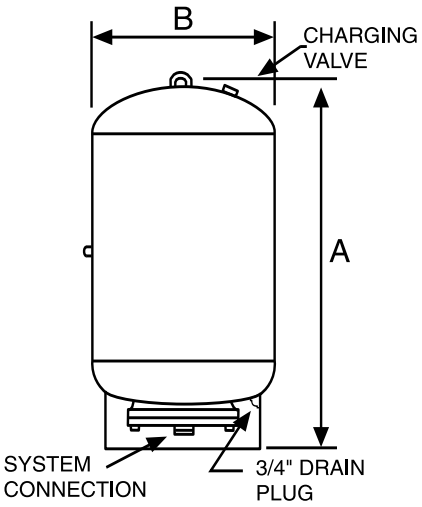
## "L" Series Bottom Connection Bladder Series (ASME)

125 PSIG Working Pressure

### 125 PSIG WP ASME Models

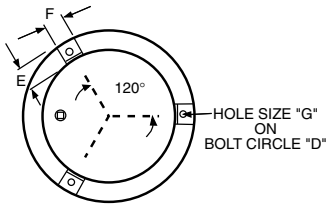
| Model No. | Tank Volume | | Accept Volume | | A Height | | B Diameter | | Sys. Conn.[1] | | Ship Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Lit. | Gal. | Lit. | Gal. | mm | ins. | mm | ins. | mm | ins. | kg | lbs. |
| 35LBC | 35 | 10 | 35 | 10 | 948 | 37 1/16 | 254 | 10 | 25 | 1 | 29 | 65 |
| 50LBC | 50 | 13 | 40 | 11 | 941 | 37 1/16 | 305 | 12 | 25 | 1 | 33 | 72 |
| 85LBC | 85 | 22 | 40 | 11 | 872 | 34 5/16 | 406 | 16 | 25 | 1 | 40 | 88 |
| 100LBC | 100 | 26 | 40 | 11 | 991 | 39 | 406 | 16 | 25 | 1 | 43 | 94 |
| 130LBC | 130 | 34 | 100 | 27 | 881 | 34 11/16 | 508 | 20 | 25 | 1 | 59 | 130 |
| 165LBC | 165 | 44 | 100 | 27 | 1008 | 39 11/16 | 508 | 20 | 25 | 1 | 64 | 140 |
| 200LBC | 200 | 53 | 100 | 27 | 1039 | 40 7/8 | 610 | 24 | 25 | 1 | 87 | 192 |
| 300LBC | 300 | 80 | 100 | 27 | 1423 | 56 | 610 | 24 | 25 | 1 | 104 | 230 |
| 400LBC | 400 | 106 | 200 | 53 | 1743 | 68 5/8 | 610 | 24 | 25 | 1 | 124 | 274 |
| 500LBC | 500 | 132 | 200 | 53 | 2096 | 82 1/2 | 610 | 24 | 25 | 1 | 140 | 308 |
| 600LBC | 600 | 158 | 200 | 53 | 1702 | 67 | 762 | 30 | 25 | 1 | 200 | 442 |

[1]System connection is NPTF




### Maximum Operating Conditions

| | |
|---|---|
| Operating Temperature | 240°F (115°C) |
| Working Pressure | 125 PSIG (8.8 bar) |




BOTTOM VIEW

### Specifications

| Description | Standard Construction |
|---|---|
| Shell | Carbon Steel |
| Bladder Material | Heavy Duty Butyl |
| Bladder Thickness (models 35-100) | .087 Ins. Minimum |
| Bladder Thickness (models 130-600) | .100 Ins. Minimum |
| System Connection | Malleable Iron |
| Coating | Red Oxide Primer |
| Factory Precharge | 12 PSIG (.84 bar) |

Designed & constructed per ASME Section VIII, Division 1.

### Optional Seismic Restraints

| TANK Diam B | BOLT CIRCLE D | DIM. E | DIM. F | HOLE SIZE G |
|---|---|---|---|---|
| 10 | 12 5/8 | 2 | 2 | 9/16 |
| 12 | 14 3/4 | 2 | 2 | 9/16 |
| 16 | 16 3/4 | 2 | 2 | 9/16 |
| 20 | 16 3/4 | 2 | 2 | 9/16 |
| 24 | 18 | 2 | 2 | 9/16 |
| 30 | 24 | 4 | 4 | 7/8 |

All dimensions and weights are approximate.

Job Name _____

Location _____

_____

_____

Engineer _____

Contractor _____

Contractor P.O. No. _____

Sales Representative _____

Model No. Ordered _____

System Operating Temp Range _____

System Operating Pressure Range _____

Tank Precharge PSIG _____

Date Submitted _____

ASME CERTIFICATION REQUIRED __ YES __ NO



*Submittal data sheets can ONLY be ordered as a "Submittal Data Sheet Pack", using MC# 4400. They are not available to order on an individual basis, however each data sheet is available on the Amtrol Web Site and can be downloaded and printed for use as needed.*

# EXTROL® Expansion Tanks

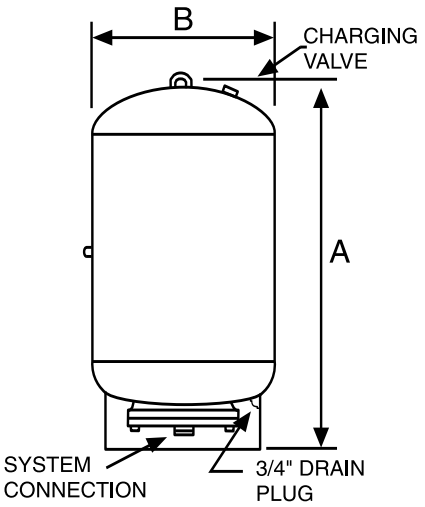
## "L" Series Bottom Connection Bladder Series (ASME)

150 PSIG Working Pressure

### 150 PSIG WP ASME Models

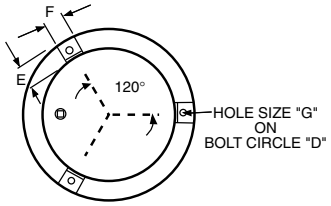
| Model No. | Tank Volume | | Accept Volume | | A Height | | B Diameter | | Sys. Conn.[1] | | Ship Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Lit. | Gal. | Lit. | Gal. | mm | ins. | mm | ins. | mm | ins. | kg | lbs. |
| 35LBC | 35 | 10 | 35 | 10 | 985 | 38 13/16 | 254 | 10 | 25 | 1 | 29 | 65 |
| 50LBC | 50 | 13 | 40 | 11 | 985 | 38 13/16 | 305 | 12 | 25 | 1 | 33 | 72 |
| 85LBC | 85 | 22 | 40 | 11 | 951 | 37 7/16 | 406 | 16 | 25 | 1 | 40 | 88 |
| 100LBC | 100 | 26 | 40 | 11 | 1070 | 42 1/8 | 406 | 16 | 25 | 1 | 43 | 94 |
| 130LBC | 130 | 34 | 100 | 27 | 962 | 37 7/8 | 508 | 20 | 25 | 1 | 59 | 130 |
| 165LBC | 165 | 44 | 100 | 27 | 1089 | 42 7/8 | 508 | 20 | 25 | 1 | 64 | 140 |
| 200LBC | 200 | 53 | 100 | 27 | 1039 | 40 7/8 | 610 | 24 | 25 | 1 | 93 | 205 |
| 300LBC | 300 | 80 | 100 | 27 | 1423 | 56 | 610 | 24 | 25 | 1 | 115 | 254 |
| 400LBC | 400 | 106 | 200 | 53 | 1743 | 68 5/8 | 610 | 24 | 25 | 1 | 140 | 308 |
| 500LBC | 500 | 132 | 200 | 53 | 2096 | 82 1/2 | 610 | 24 | 25 | 1 | 160 | 352 |
| 600LBC | 600 | 158 | 200 | 53 | 1702 | 67 | 762 | 30 | 25 | 1 | 201 | 442 |

[1]System connection is NPTF




### Maximum Operating Conditions

| | |
|---|---|
| Operating Temperature | 240°F (115°C) |
| Working Pressure | 150 PSIG (10.5 bar) |




BOTTOM VIEW

### Specifications

| Description | Standard Construction |
|---|---|
| Shell | Carbon Steel |
| Bladder Material | Heavy Duty Butyl |
| Bladder Thickness (models 35-100) | .087 Ins. Minimum |
| Bladder Thickness (models 130-600) | .100 Ins. Minimum |
| System Connection | Malleable Iron |
| Coating | Red Oxide Primer |
| Factory Precharge | 12 PSIG (.84 bar) |

Designed & constructed per ASME Section VIII, Division 1.

### Optional Seismic Restraints

| TANK Diam B | BOLT CIRCLE D | DIM. E | DIM. F | HOLE SIZE G |
|---|---|---|---|---|
| 10 | 12 5/8 | 2 | 2 | 9/16 |
| 12 | 14 3/4 | 2 | 2 | 9/16 |
| 16 | 16 3/4 | 2 | 2 | 9/16 |
| 20 | 16 3/4 | 2 | 2 | 9/16 |
| 24 | 18 | 2 | 2 | 9/16 |
| 30 | 22 3/4 | 3 | 3 | 3/4 |

All dimensions and weights are approximate.

Job Name _____

Location _____

_____

_____

Engineer _____

Contractor _____

Contractor P.O. No. _____

Sales Representative _____

Model No. Ordered _____

System Operating Temp Range _____

System Operating Pressure Range _____

Tank Precharge PSIG _____

Date Submitted _____

ASME CERTIFICATION REQUIRED __ YES __ NO



*Submittal data sheets can ONLY be ordered as a "Submittal Data Sheet Pack", using MC# 4400. They are not available to order on an individual basis, however each data sheet is available on the Amtrol Web Site and can be downloaded and printed for use as needed.*