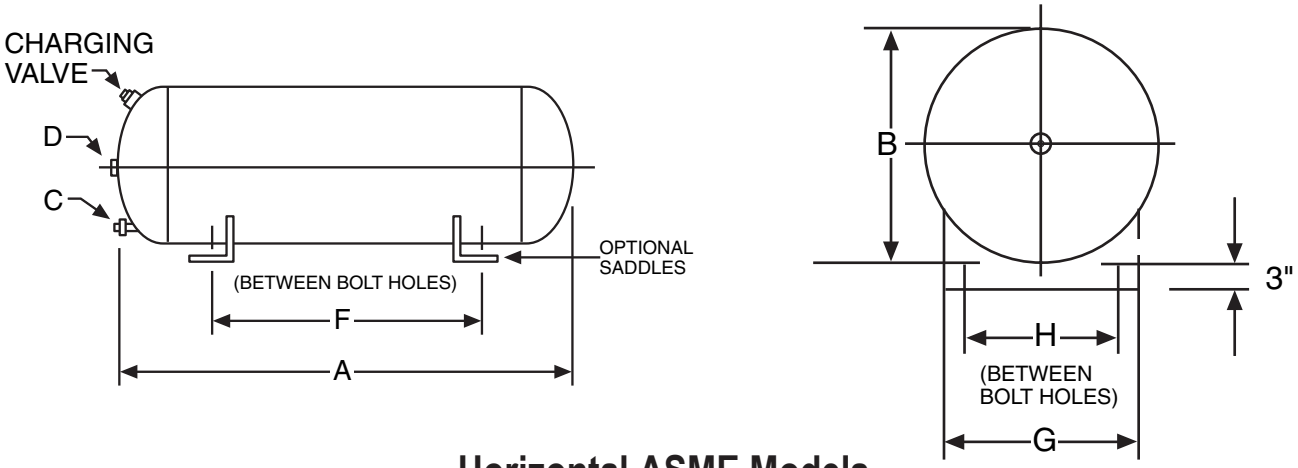
# EXTROL® Expansion Tanks

## Horizontal AX Series (ASME) 125 PSIG Working Pressure




## Horizontal ASME Models

| Model No. | Tank Volume | | Accept. Volume | | A Length | | B Diameter | | Sys. Conn. 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[1] | 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[1] | 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[1] | 44 | 96 | 557 | 22 | 356 | 14 | 305 | 12 | 34 | 74 |
| AX-60 | 127.2 | 33.6 | 42.8 | 11.3 | 1073 | 43 | 356 | 16¼ | | ½[1] | 53 | 116 | 918 | 36⅛ | 356 | 14 | 305 | 12 | 44 | 96 |
| AX-80 | 168.1 | 44.4 | 85.5 | 22.6 | 725 | 28 9/16 | 610 | 24 | | 1[1] | 65 | 142 | 429 | 16⅞ | 508 | 20 | 457 | 18 | 69 | 153 |
| AX-100 | 211.8 | 55.7 | 85.5 | 22.6 | 840 | 33 | 610 | 24 | | 1[1] | 70 | 152 | 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[2] | 107 | 235 | 749 | 29½ | 508 | 20 | 457 | 18 | 93 | 204 |
| AX-144 | 291.5 | 77.0 | 128.7 | 34.0 | 1170 | 46 | 610 | 24 | | 1[2] | 112 | 246 | 873 | 34⅜ | 508 | 20 | 457 | 18 | 99 | 218 |
| AX-180 | 340.7 | 90.0 | 128.7 | 34.0 | 1357 | 53 7/16 | 610 | 24 | | 1[2] | 113 | 248 | 1060 | 41¾ | 508 | 20 | 457 | 18 | 105 | 232 |
| AX-200 | 416.4 | 110.0 | 128.7 | 34.0 | 1624 | 64 | 610 | 24 | | 1[2] | 139 | 306 | 1327 | 52¼ | 508 | 20 | 457 | 18 | 122 | 269 |
| AX-240 | 500.0 | 132.0 | 174.0 | 46.0 | 1295 | 51 | 762 | 30 | | 1[2] | 194 | 428 | 889 | 35 | 610 | 24 | 559 | 22 | 182 | 401 |
| AX-260 | 600.0 | 159.0 | 212.0 | 56.0 | 1581 | 62¼ | 762 | 30 | 1¼[2] | | 218 | 480 | 1124 | 44¼ | 610 | 24 | 559 | 22 | 206 | 455 |
| AX-280 | 800.0 | 211.0 | 318.0 | 84.0 | 2032 | 80 | 762 | 30 | 1¼[2] | | 299 | 660 | 1575 | 62 | 610 | 24 | 559 | 22 | 263 | 580 |

[1]System connection is NPTF
[2]System connection is NPTM

## Maximum Operating Conditions

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

Designed & constructed per ASME Section VIII, Division 1.
Higher pressures available upon request.

## Specifications

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

All dimensions and weights are approximate.

Job Name _____

Location _____

_____

_____

Engineer _____

Contractor _____

Contractor P.O. No. _____

Sales Representative _____

Model No. Ordered _____

ASME CERTIFICATION REQUIRED _____ Yes _____ No



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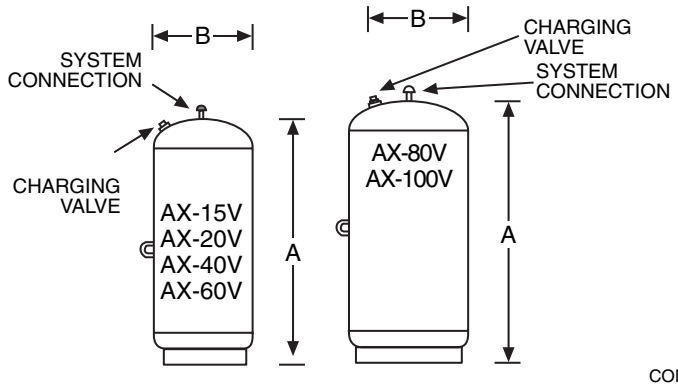
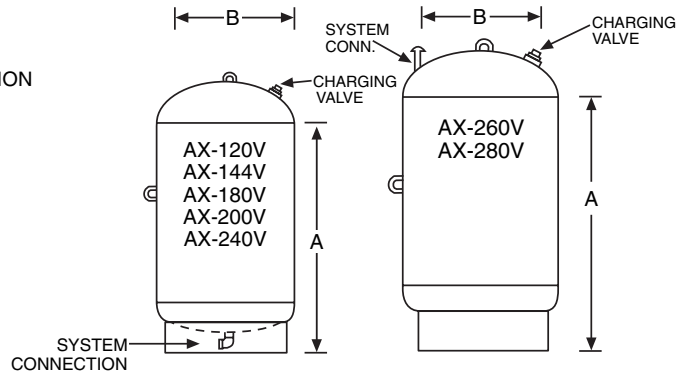
# EXTROL® Expansion Tanks

## Vertical AX Series (ASME) 125 PSIG Working Pressure

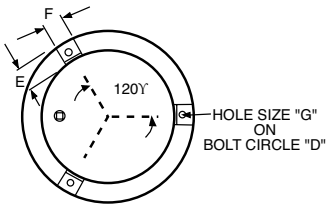



## Vertical ASME Models

| 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[1] | 19 | 41 |
| AX-20V | 41.3 | 10.9 | 9.1 | 2.4 | 673 | 26½ | 305 | 12 | ½[1] | 22 | 49.2 |
| AX-40V | 82.2 | 21.7 | 42.8 | 11.3 | 749 | 29½ | 413 | 16¼ | ½[1] | 36 | 80.4 |
| AX-60V | 127.2 | 33.6 | 42.8 | 11.3 | 1146 | 45⅛ | 413 | 16¼ | ½[1] | 47 | 103 |
| AX-80V | 168.1 | 44.5 | 85.5 | 22.6 | 705 | 29 | 610 | 24 | 1[1] | 76 | 167 |
| AX-100V | 211.8 | 55.7 | 85.5 | 22.6 | 822 | 33 11/16 | 610 | 24 | 1[1] | 81 | 179 |
| AX-120V | 257.4 | 68.0 | 128.7 | 34.0 | 1114 | 47⅜ | 610 | 24 | 1[1] | 100 | 221 |
| AX-144V | 291.5 | 77.0 | 128.7 | 34.0 | 1238 | 52¼ | 610 | 24 | 1[1] | 106 | 233 |
| AX-180V | 340.7 | 90.0 | 128.7 | 34.0 | 1426 | 59⅝ | 610 | 24 | 1[1] | 116 | 256 |
| AX-200V | 416.4 | 110.0 | 128.7 | 34.0 | 1591 | 66⅛ | 610 | 24 | 1[1] | 126 | 278 |
| AX-240V | 500.0 | 132.0 | 174.0 | 46.0 | 1357 | 57⅞ | 762 | 30 | 1[1] | 198 | 436 |
| AX-260V | 600.0 | 159.0 | 212.0 | 56.0 | 1537 | 64¾ | 762 | 30 | 1¼[2] | 212 | 467 |
| AX-280V | 800.0 | 211.0 | 318.0 | 84.0 | 1989 | 81¾ | 762 | 30 | 1¼[2] | 274 | 605 |

[1] System connection is NPTF
[2] System connection is NPTM




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 |
| System Connection | Forged Steel |
| Coating | Red Oxide Primer |

Designed & constructed per ASME Section VIII, Division 1.

Job Name _____

Location _____

_____

_____

Engineer _____

Contractor _____

Contractor P.O. No. _____

Sales Representative _____

Model No. Ordered _____

ASME CERTIFICATION REQUIRED _____ Yes _____ No



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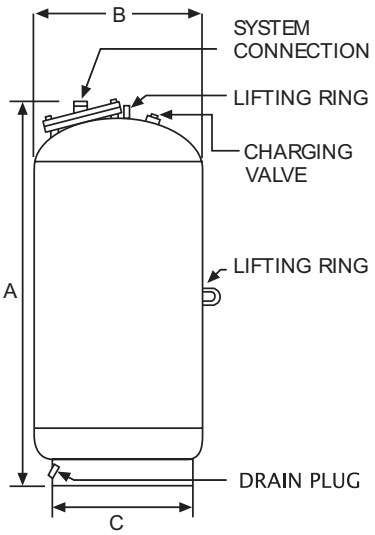
# EXTROL® Expansion Tanks

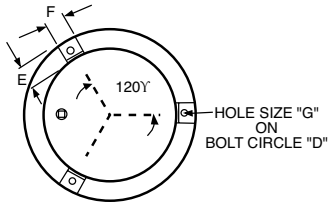
## "L" Series (ASME) 125 PSIG Working Pressure

## 125 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 | 86 | 190 | 19 | 3/4 |
| 300-L | 300 | 80 | 1308 | 51 1/2 | 610 | 24 | 483 | 19 | 25 | 1 | 104 | 230 | 19 | 3/4 |
| 400-L | 400 | 106 | 1662 | 65 7/16 | 610 | 24 | 483 | 19 | 25 | 1 | 125 | 275 | 19 | 3/4 |
| 500-L | 500 | 132 | 2006 | 79 | 610 | 24 | 483 | 19 | 25 | 1 | 141 | 311 | 19 | 3/4 |
| 600-L | 600 | 158 | 1619 | 63 3/4 | 762 | 30 | 610 | 24 | 38 | 1 1/2 | 199 | 439 | 25 | 1 |
| 800-L | 800 | 211 | 2076 | 81 3/4 | 762 | 30 | 610 | 24 | 38 | 1 1/2 | 246 | 543 | 25 | 1 |
| 1000-L | 1000 | 264 | 1867 | 73 1/2 | 914 | 36 | 762 | 30 | 38 | 1 1/2 | 276 | 609 | 32 | 1 1/4 |
| 1200-L | 1200 | 317 | 2181 | 85 7/8 | 914 | 36 | 762 | 30 | 38 | 1 1/2 | 318 | 700 | 32 | 1 1/4 |
| 1400-L | 1400 | 370 | 2496 | 98 1/4 | 914 | 36 | 762 | 30 | 38 | 1 1/2 | 355 | 783 | 32 | 1 1/4 |
| 1600-L | 1600 | 422 | 1756 | 69 1/8 | 1219 | 48 | 1067 | 42 | 38 | 1 1/2 | 502 | 1106 | 38 | 1 1/2 |
| 2000-L | 2000 | 528 | 2145 | 84 | 1219 | 48 | 1067 | 42 | 38 | 1 1/2 | 582 | 1284 | 38 | 1 1/2 |
| 2500-L | 2500 | 660 | 2562 | 100 7/8 | 1219 | 48 | 1067 | 42 | 50 | 2 | 700 | 1544 | 38 | 1 1/2 |
| 3000-L | 3000 | 792 | 3000 | 118 1/8 | 1219 | 48 | 1067 | 42 | 50 | 2 | 780 | 1719 | 38 | 1 1/2 |
| 3500-L | 3500 | 925 | 2820 | 111 | 1372 | 54 | 1067 | 42 | 50 | 2 | 992 | 2187 | 38 | 1 1/2 |
| 4000-L | 4000 | 1057 | 3175 | 125 | 1372 | 54 | 1067 | 42 | 50 | 2 | 1067 | 2352 | 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 |
| 7500-LCAN | 7500 | 1980 | 3658 | 144 | 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 150, 175, 250, or 300 PSIG

## Specifications

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

Designed & constructed per ASME Section VIII, Division 1.

## 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 _____

ASME CERTIFICATION REQUIRED _____ Yes _____ No



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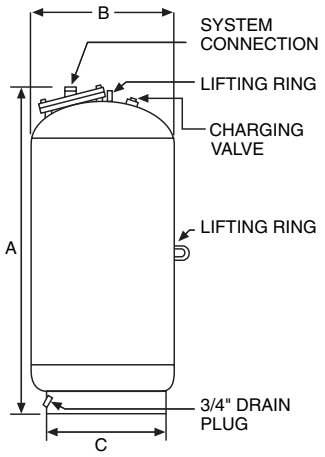
# EXTROL® Expansion Tanks

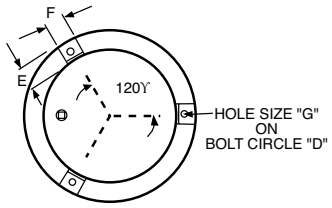
## "L" Series (ASME) 150 PSIG Working Pressure

## 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 |
| 7500-L | 7500 | 1980 | 3226 | 127 | 1829 | 72 | 1372 | 54 | 76 | 3 | 1950 | 4300 | 38 | 1 1/2 |
| 7500-LCAN | 7500 | 1980 | 3658 | 144 | 1829 | 72 | 1372 | 54 | 76 | 3 | 1950 | 4300 | 38 | 1 1/2 |
| 10000-L | 10000 | 2640 | 4039 | 159 | 1829 | 72 | 1372 | 54 | 76 | 3 | 2404 | 5300 | 38 | 1 1/2 |
| 15000-L | 15000 | 3963 | 5918 | 233 | 1829 | 72 | 1372 | 54 | 76 | 3 | 3447 | 7600 | 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 125, 175, 250 or 300 PSIG.

## Specifications

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

Designed & constructed per ASME Section VIII, Division 1.

## 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 _____

ASME CERTIFICATION REQUIRED _____ Yes _____ No



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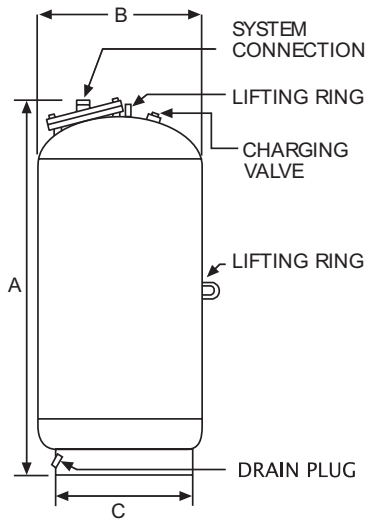
# EXTROL® Expansion Tanks

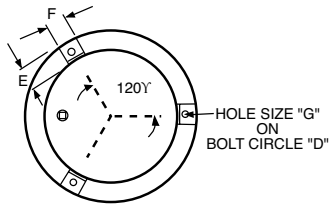
## "L" Series (ASME) 175 PSIG Working Pressure

## 175 PSIG WP ASME Models

| Model No. | Tank Volume | | A Height | | B Diameter | | C Stand | C Dia. | Sys. Conn.[1] | Shipping Weight 175 PSIG | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Lit. | Gal. | mm | ins. | mm | ins. | mm | ins. | ins. | kg | lbs. |
| 200-L | 200 | 53 | 940 | 37 | 610 | 24 | 483 | 19 | 1 | 114 | 250 |
| 300-L | 300 | 80 | 1302 | 51¼ | 610 | 24 | 483 | 19 | 1 | 146 | 320 |
| 400-L | 400 | 106 | 1654 | 65⅛ | 610 | 24 | 483 | 19 | 1 | 170 | 375 |
| 500-L | 500 | 132 | 2010 | 79⅛ | 610 | 24 | 483 | 19 | 1 | 198 | 435 |
| 600-L | 600 | 158 | 1651 | 65 | 762 | 30 | 610 | 24 | 1½ | 270 | 595 |
| 800-L | 800 | 211 | 2108 | 83 | 762 | 30 | 610 | 24 | 1½ | 282 | 620 |
| 1000-L | 1000 | 264 | 1867 | 73½ | 914 | 36 | 762 | 30 | 1½ | 340 | 750 |
| 1200-L | 1200 | 317 | 2181 | 85⅞ | 914 | 36 | 762 | 30 | 1½ | 390 | 860 |
| 1400-L | 1400 | 370 | 2496 | 98¼ | 914 | 36 | 762 | 30 | 1½ | 440 | 970 |
| 1600-L | 1600 | 422 | 1768 | 69⅝ | 1219 | 48 | 1067 | 42 | 1½ | 647 | 1425 |
| 2000-L | 2000 | 528 | 2121 | 83½ | 1219 | 48 | 1067 | 42 | 1½ | 760 | 1675 |
| 2500-L | 2500 | 660 | 2562 | 100⅛ | 1219 | 48 | 1067 | 42 | 2 | 883 | 1945 |
| 3000-L | 3000 | 792 | 3000 | 118½ | 1219 | 48 | 1067 | 42 | 2 | 1010 | 2225 |
| 3500-L | 3500 | 925 | 2820 | 111 | 1372 | 54 | 1067 | 42 | 2 | 1078 | 2375 |
| 4000-L | 4000 | 1057 | 3163 | 124½ | 1372 | 54 | 1067 | 42 | 2 | 1198 | 2640 |
| 5000-L | 5000 | 1321 | 3251 | 128 | 1524 | 60 | 1067 | 42 | 2 | 1863 | 4100 |
| 7500-L | 7500 | 1980 | 3658 | 144 | 1829 | 72 | 1372 | 54 | 3 | 2045 | 4500 |
| 7500-LCAN | 7500 | 1980 | 3226 | 127 | 1829 | 72 | 1372 | 54 | 3 | 2045 | 4500 |
| 10000-L | 10000 | 2640 | 4039 | 159 | 1829 | 72 | 1372 | 54 | 3 | 2500 | 5500 |
| 15000-L | 15000 | 3963 | 5918 | 233 | 1829 | 72 | 1372 | 54 | 3 | 3590 | 7900 |
| 20000-L | 20000 | 5280 | 6020 | 237 | 2134 | 84 | 1676 | 66 | 3 | 5398 | 11900 |

[1]System connection is NPT




BOTTOM VIEW

## Maximum Operating Conditions

| | |
|---|---|
| Operating Temperature | 240°F (115°C) |
| Working Pressure | 175 PSIG (12.3 bar) |

## Specifications

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

Designed & constructed per ASME Section VIII, Division 1.

## 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 _____

ASME CERTIFICATION REQUIRED _____ Yes _____ No



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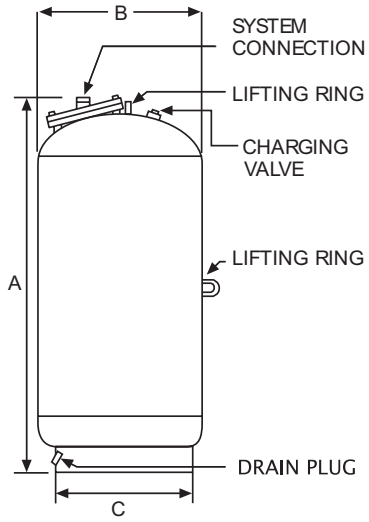
# EXTROL® Expansion Tanks

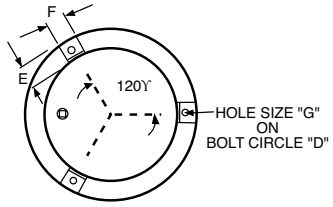
## "L" Series (ASME) 250 PSIG Working Pressure

## 250 PSIG WP ASME Models

| Model No. | Tank Volume | | A Height | | B Diameter | | C Stand Dia. | | Sys. Conn.[1] | Shipping Weight 250 PSIG | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Lit. | Gal. | mm | ins. | mm | ins. | mm | ins. | ins. | kg | lbs. |
| 200-L | 200 | 53 | 940 | 37 | 610 | 24 | 483 | 19 | 1 | 132 | 290 |
| 300-L | 300 | 80 | 1302 | 51¼ | 610 | 24 | 483 | 19 | 1 | 175 | 385 |
| 400-L | 400 | 106 | 1654 | 65⅛ | 610 | 24 | 483 | 19 | 1 | 211 | 465 |
| 500-L | 500 | 132 | 2010 | 79⅛ | 610 | 24 | 483 | 19 | 1 | 248 | 545 |
| 600-L | 600 | 158 | 1651 | 65 | 762 | 30 | 610 | 24 | 1½ | 327 | 720 |
| 800-L | 800 | 211 | 2108 | 83 | 762 | 30 | 610 | 24 | 1½ | 411 | 905 |
| 1000-L | 1000 | 264 | 1867 | 73½ | 914 | 36 | 762 | 30 | 1½ | 461 | 1015 |
| 1200-L | 1200 | 317 | 2181 | 85⅞ | 914 | 36 | 762 | 30 | 1½ | 533 | 1175 |
| 1400-L | 1400 | 370 | 2496 | 98¼ | 914 | 36 | 762 | 30 | 1½ | 606 | 1335 |
| 1600-L | 1600 | 422 | 1768 | 69⅝ | 1219 | 48 | 1067 | 42 | 1½ | 869 | 1916 |
| 2000-L | 2000 | 528 | 2121 | 83½ | 1219 | 48 | 1067 | 42 | 1½ | 1005 | 2215 |
| 2500-L | 2500 | 660 | 2562 | 100⅛ | 1219 | 48 | 1067 | 42 | 2 | 1173 | 2585 |
| 3000-L | 3000 | 792 | 3000 | 118½ | 1219 | 48 | 1067 | 42 | 2 | 1338 | 2950 |
| 3500-L | 3500 | 925 | 2820 | 111 | 1372 | 54 | 1067 | 42 | 2 | 1661 | 3660 |
| 4000-L | 4000 | 1057 | 3163 | 124½ | 1372 | 54 | 1067 | 42 | 2 | 1851 | 4080 |
| 5000-L | 5000 | 1321 | 3251 | 128 | 1524 | 60 | 1067 | 42 | 2 | 1909 | 4200 |
| 7500-L | 7500 | 1980 | 3226 | 127 | 1829 | 72 | 1372 | 54 | 3 | 2522 | 5550 |
| 7500-LCAN | 7500 | 1980 | 3658 | 144 | 1829 | 72 | 1372 | 54 | 3 | 2522 | 5550 |
| 10000-L | 10000 | 2640 | 4039 | 159 | 1829 | 72 | 1372 | 54 | 3 | 3090 | 6800 |
| 15000-L | 15000 | 3963 | 5918 | 233 | 1829 | 72 | 1372 | 54 | 3 | 4454 | 9800 |
| 20000-L | 20000 | 5280 | 6020 | 237 | 2134 | 84 | 1676 | 66 | 3 | 6500 | 14300 |

[1]System connection is NPT




BOTTOM VIEW

## Maximum Operating Conditions

| | |
|---|---|
| Operating Temperature | 240°F (115°C) |
| Working Pressure | 250 PSIG (17.6 bar) |

## Specifications

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

Designed & constructed per ASME Section VIII, Division 1.
NOTE: Industries Thickest Bladder for added reliability.

## 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 |
| 84 | 71 ½ | 6 | 6 | 1 ⅛ |

All dimensions and weights are approximate.

Job Name _____

Location _____

_____

_____

Engineer _____

Contractor _____

Contractor P.O. No. _____

Sales Representative _____

Model No. Ordered _____

ASME CERTIFICATION REQUIRED _____ Yes _____ No



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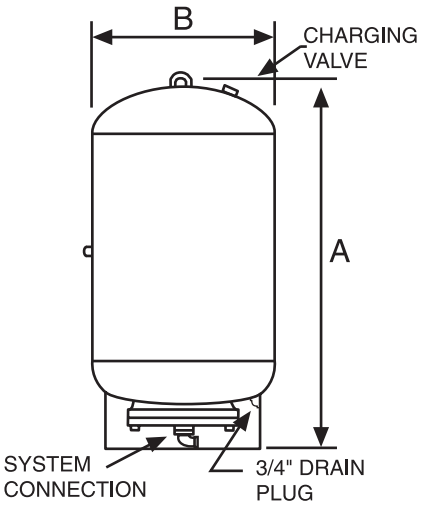
# EXTROL® Expansion Tanks

## "LBC" Series Bottom Connection Bladder Series (ASME) 125 PSIG Working Pressure

### 125 PSIG WP ASME Models

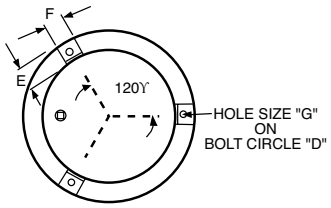
| Model No. | Tank Volume | | Accept Volume | | A Height | | B Diameter | | Sys. Conn.[1] | | Ship Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Lit. | Gal. | Lit. | Gal. | mm | ins. | mm | ins. | mm | ins. | kg | lbs. |
| 35LBC | 35 | 10 | 35 | 10 | 948 | 37 1/16 | 254 | 10 | 25 | 1 | 30 | 67 |
| 50LBC | 50 | 13 | 40 | 11 | 941 | 37 1/16 | 305 | 12 | 25 | 1 | 34 | 76 |
| 85LBC | 85 | 22 | 40 | 11 | 872 | 34 5/16 | 406 | 16 | 25 | 1 | 42 | 92 |
| 100LBC | 100 | 26 | 40 | 11 | 991 | 39 | 406 | 16 | 25 | 1 | 45 | 99 |
| 130LBC | 130 | 34 | 100 | 27 | 881 | 34 11/16 | 508 | 20 | 25 | 1 | 61 | 135 |
| 165LBC | 165 | 44 | 100 | 27 | 1008 | 39 11/16 | 508 | 20 | 25 | 1 | 68 | 149 |
| 200LBC | 200 | 53 | 100 | 27 | 1039 | 40 7/8 | 610 | 24 | 25 | 1 | 88 | 195 |
| 300LBC | 300 | 80 | 100 | 27 | 1423 | 56 | 610 | 24 | 25 | 1 | 106 | 233 |
| 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 | 141 | 310 |
| 600LBC | 600 | 158 | 200 | 53 | 1702 | 67 | 762 | 30 | 25 | 1 | 199 | 438 |

[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 _____

ASME CERTIFICATION REQUIRED _____ Yes _____ No



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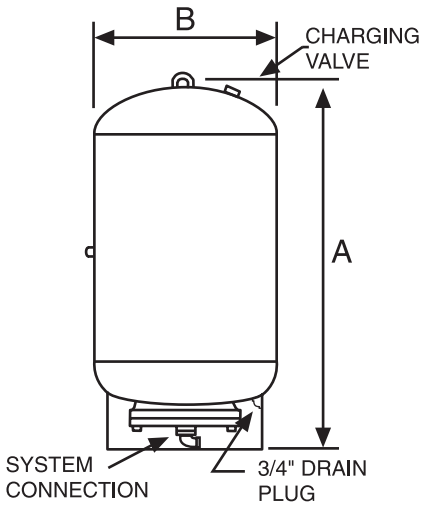
# EXTROL® Expansion Tanks

## "LBC" Series Bottom Connection Bladder Series (ASME) 150 PSIG Working Pressure

### 150 PSIG WP ASME Models

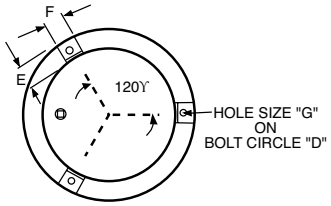
| Model No. | Tank Volume | | Accept Volume | | A Height | | B Diameter | | Sys. Conn.[1] | | Ship Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Lit. | Gal. | Lit. | Gal. | mm | ins. | mm | ins. | mm | ins. | kg | lbs. |
| 35LBC | 35 | 10 | 35 | 10 | 985 | 38 13/16 | 254 | 10 | 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 _____

ASME CERTIFICATION REQUIRED _____ Yes _____ No



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