



EXTROL®

Hydronic Expansion Tanks: Horizontal AX Series ASME

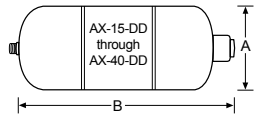
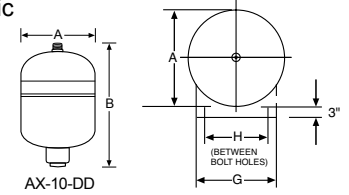
125 PSIG Working Pressure

Construction

Shell	ASME Approved Steel
Diaphragm	Heavy Duty Butyl/EPDM
System Connection	NPTF ¹ Malleable Iron Center NPTM ² Steel Pipe, Top Offset
Finish	Red Oxide Primer
Air Valve	Schrader Valve w/EPDM Seats
Factory Precharge	12 PSIG (.8 bar)

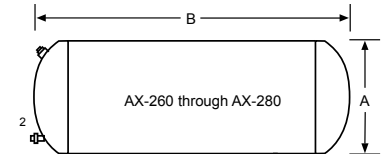
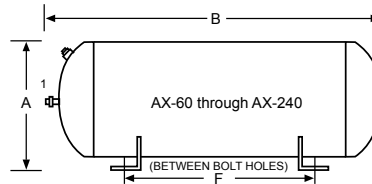
Application

- For use in closed, non-potable hydronic heating and chilled water systems.
- Designed to meet all ASME Code Section VIII, Division 1 standards.
- Available with optional sight glass and seismic restraints (saddles).
- Suitable in propylene glycol applications with mixtures up to 50%.
- Deep drawn models are lighter, stronger and more compact than traditional head and shell construction.



Performance

Maximum Operating Temperature	240°F (115°C)
Maximum Working Pressure	125 PSIG (8.6 bar)
Warranty	1-Year



Deep Drawn Horizontal ASME Models

Model Number	Tank Volume		Max. Accept. Volume		A Tank Diameter		B Tank Length		Sys. Conn	Restrains (Saddles) for Horizontal Mounting						Ship Wt. with Restrains (Saddles)		Shipping Weight	
	Gal	Lit	Gal	Lit	In	mm	In	mm		F		G		H		Lbs	Kg	Lbs	Kg
AX-10-DD	6.4	24.2	3.2	12.1	12	305	18	457	1/4"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9	4
AX-15-DD	8.6	33.0	3.2	12.1	12	305	22	559	3/4"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22	10
AX-20-DD	16.5	63.0	11.3	43.0	15	381	25	636	3/4"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	44	20
AX-40-DD	23.0	88.0	11.3	43.0	15	381	33	838	3/4"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	64	29

Head & Shell Horizontal ASME Models

Model Number	Tank Volume		Max. Accept. Volume		A Tank Diameter		B Tank Length		Sys. Conn	Restrains (Saddles) for Horizontal Mounting						Ship Wt. with Restrains (Saddles)		Shipping Weight	
	Gal	Lit	Gal	Lit	In	mm	In	mm		F		G		H		Lbs	Kg	Lbs	Kg
AX-60	33.6	127.2	11.3	42.8	16	356	43	1073	1/2"	36%	918	14	356	12	305	116	53	96	44
AX-80	44.4	168.1	22.6	85.5	24	610	29	725	1"	16%	429	20	508	18	457	173	78	153	69
AX-100	55.7	211.8	22.6	85.5	24	610	33	840	1"	21 1/2%	546	20	508	18	457	194	88	174	79
AX-120	68.0	257.4	34.0	128.7	24	610	41	1051	1"	29 1/2%	749	20	508	18	457	235	107	204	93
AX-144	77.0	291.5	34.0	128.7	24	610	46	1170	1"	34%	873	20	508	18	457	246	112	218	99
AX-180	90.0	340.7	34.0	128.7	24	610	54	1357	1"	41 3/4%	1060	20	508	18	457	248	113	232	105
AX-200	110.0	416.4	34.0	128.7	24	610	64	1624	1"	52 1/4%	1327	20	508	18	457	306	139	269	122
AX-240	132.0	500.0	46.0	174.0	30	762	51	1295	1"	35	889	24	610	22	559	428	194	401	182
AX-260	159.0	600.0	56.0	212.0	30	762	62	1581	1 1/4"	44 1/4%	1124	24	610	22	559	480	218	455	206
AX-280	211.0	800.0	84.0	318.0	30	762	80	2032	1 1/4"	62	1575	24	610	22	559	660	299	580	263

All dimensions and weights are approximate.

*AX-10 is the only model that can be suspended from the pipes.

Job Name _____	Notes _____
Engineer _____	_____
Contractor _____	_____
P.O. No. _____	_____
Sales Rep. _____	_____
Model No. _____	_____





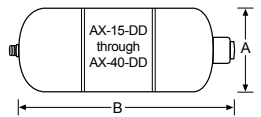
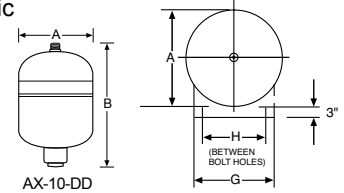
150 PSIG Working Pressure

Construction

Shell	ASME Approved Steel
Diaphragm	Heavy Duty Butyl/EPDM
System Connection	NPTF ¹ Malleable Iron Center NPTM ² Steel Pipe, Top Offset
Finish	Red Oxide Primer
Air Valve	Schrader Valve w/EPDM Seats
Factory Precharge	12 PSIG (.8 bar)

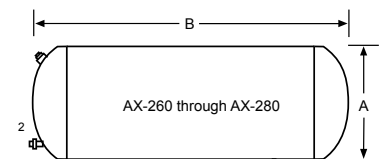
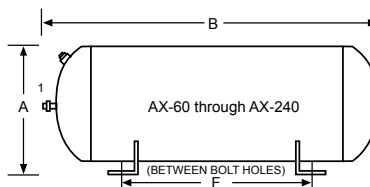
Application

- For use in closed, non-potable hydronic heating and chilled water systems.
- Designed to meet all ASME Code Section VIII, Division 1 standards.
- Available with optional sight glass and seismic restraints (saddles).
- Suitable in propylene glycol applications with mixtures up to 50%.
- Deep drawn models are lighter, stronger and more compact than traditional head and shell construction.



Performance

Maximum Operating Temperature	240°F (115°C)
Maximum Working Pressure	150 PSIG (10.3 bar)
Warranty	1-Year



Deep Drawn Horizontal ASME Models

Model Number	Tank Volume		Max. Accept. Volume		A Tank Diameter		B Tank Length		Sys. Conn	Restrains (Saddles) for Horizontal Mounting						Ship Wt. with Restrains (Saddles)		Shipping Weight	
	Gal	Lit	Gal	Lit	In	mm	In	mm		F		G		H		Lbs	Kg	Lbs	Kg
AX-10-DD	6.4	24.2	3.2	12.1	12	305	18	457	3/4" ¹	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10	5
AX-15-DD	8.6	33.0	3.2	12.1	12	305	22	559	3/4" ¹	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	24	11
AX-20-DD	16.5	63.0	11.3	43.0	15	381	25	636	3/4" ¹	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	46	21
AX-40-DD	23.0	88.0	11.3	43.0	15	381	33	838	3/4" ¹	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	66	30

Head & Shell Horizontal ASME Models

Model Number	Tank Volume		Max. Accept. Volume		A Tank Diameter		B Tank Length		Sys. Conn	Restrains (Saddles) for Horizontal Mounting						Ship Wt. with Restrains (Saddles)		Shipping Weight	
	Gal	Lit	Gal	Lit	In	mm	In	mm		F		G		H		Lbs	Kg	Lbs	Kg
AX-60	33.6	127.2	11.3	42.8	16	356	43	1073	1/2" ¹	36%	918	14	356	12	305	116	53	120	54
AX-80	44.4	168.1	22.6	85.5	24	610	29	725	1"	16%	429	20	508	18	457	173	78	160	73
AX-100	55.7	211.8	22.6	85.5	24	610	33	840	1"	21 1/2%	546	20	508	18	457	194	88	180	32
AX-120	68.0	257.4	34.0	128.7	24	610	41	1051	1"	29 1/2%	749	20	508	18	457	235	107	245	111
AX-144	77.0	291.5	34.0	128.7	24	610	46	1170	1"	34%	873	20	508	18	457	246	112	250	113
AX-180	90.0	340.7	34.0	128.7	24	610	54	1357	1"	41 3/4%	1060	20	508	18	457	248	113	265	120
AX-200	110.0	416.4	34.0	128.7	24	610	64	1624	1"	52 1/4%	1327	20	508	18	457	306	139	320	145
AX-240	132.0	500.0	46.0	174.0	30	762	51	1295	1"	35	889	24	610	22	559	428	194	403	183
AX-260	159.0	600.0	56.0	212.0	30	762	62	1581	1 1/4" ²	44 1/4%	1124	24	610	22	559	480	218	460	209
AX-280	211.0	800.0	84.0	318.0	30	762	80	2032	1 1/4" ²	62	1575	24	610	22	559	660	299	600	272

All dimensions and weights are approximate.

*AX-10 is the only model that can be suspended from the pipes.

Job Name _____	Notes _____
Engineer _____	_____
Contractor _____	_____
P.O. No. _____	_____
Sales Rep. _____	_____
Model No. _____	_____



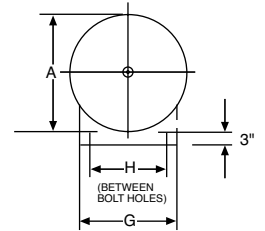


Construction

Shell	ASME Approved Steel
Diaphragm	Heavy Duty Butyl/EPDM
System Connection	NPTF ¹ Malleable Iron Center NPTM ² Steel Pipe, Top Offset
Finish	Red Oxide Primer
Air Valve	Schrader Valve w/EPDM Seats
Factory Precharge	12 PSIG (.8 bar)

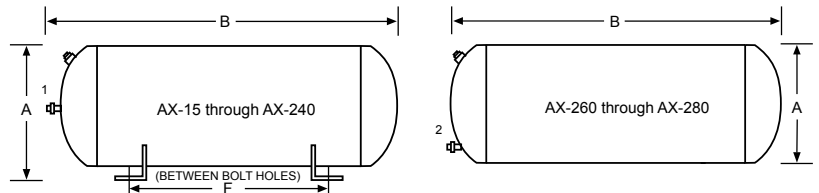
Application

- For use in closed, non-potable hydronic heating and chilled water systems.
- Designed to meet all ASME Code Section VIII, Division 1 standards.
- Available with optional sight glass and seismic restraints (saddles).
- Suitable in propylene glycol applications with mixtures up to 50%.



Performance

Maximum Operating Temperature	240°F (115°C)
Maximum Working Pressure	175 PSIG (12 bar)
Warranty	1-Year



Horizontal ASME Models

Model Number	Tank Volume		Max. Accept. Volume		A Tank Diameter		B Tank Length		Sys. Conn	Restrains (Saddles) for Horizontal Mounting						Ship Wt. with Restrains (Saddles)		Shipping Weight	
	Gal	Lit	Gal	Lit	In	mm	In	mm		F		G		H		Lbs	Kg	Lbs	Kg
AX-15	8.0	30.3	2.4	9.1	12	305	19	489	1/2"	14 3/8	365	10	254	8	203	54	24	48	22
AX-20	10.9	41.3	2.4	9.1	12	305	26	607	1/2"	21 1/8	537	10	254	8	203	66	30	60	27
AX-40	21.7	82.2	11.3	42.8	16	356	29	737	1/2"	22	557	14	356	12	305	112	51	96	44
AX-60	33.6	127.2	11.3	42.8	16	356	43	1073	1/2"	36 3/8	918	14	356	12	305	141	64	125	57
AX-80	44.4	168.1	22.6	85.5	24	610	29	725	1"	16 3/8	429	20	508	18	457	220	100	200	91
AX-100	55.7	211.8	22.6	85.5	24	610	33	840	1"	21 1/2	546	20	508	18	457	247	112	227	103
AX-120	68.0	257.4	34.0	128.7	24	610	41	1051	1"	29 1/2	749	20	508	18	457	286	130	266	121
AX-144	77.0	291.5	34.0	128.7	24	610	46	1170	1"	34 3/8	873	20	508	18	457	305	138	285	129
AX-180	90.0	340.7	34.0	128.7	24	610	54	1357	1"	41 3/4	1060	20	508	18	457	321	146	301	137
AX-200	110.0	416.4	34.0	128.7	24	610	64	1624	1"	52 1/4	1327	20	508	18	457	370	168	350	159
AX-240	132.0	500.0	46.0	174.0	30	762	51	1295	1"	35	889	24	610	22	559	547	248	522	237
AX-260	159.0	600.0	56.0	212.0	30	762	62	1581	1 1/2"	44 1/4	1124	24	610	22	559	597	271	572	269
AX-280	211.0	800.0	84.0	318.0	30	762	80	2032	1 1/2"	62	1575	24	610	22	559	780	354	755	342

All dimensions and weights are approximate.

Job Name _____	Notes _____
Engineer _____	_____
Contractor _____	_____
P.O. No. _____	_____
Sales Rep. _____	_____
Model No. _____	_____





250 PSIG Working Pressure

Construction

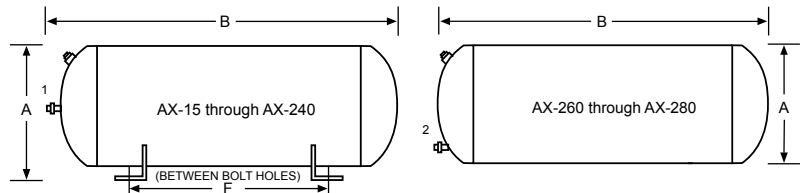
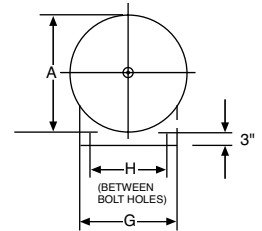
Shell	ASME Approved Steel
Diaphragm	Heavy Duty Butyl/EPDM
System Connection	NPTF ¹ Malleable Iron Center NPTM ² Steel Pipe, Top Offset
Finish	Red Oxide Primer
Air Valve	Schrader Valve w/EPDM Seats
Factory Precharge	12 PSIG (.8 bar)

Performance

Maximum Operating Temperature	240°F (115°C)
Maximum Working Pressure	250 PSIG (20.7 bar)
Warranty	1-Year

Application

- For use in closed, non-potable hydronic heating and chilled water systems.
- Designed to meet all ASME Code Section VIII, Division 1 standards.
- Available with optional sight glass and seismic restraints (saddles).
- Suitable in propylene glycol applications with mixtures up to 50%.



Horizontal ASME Models

Model Number	Tank Volume		Max. Accept. Volume		A Tank Diameter		B Tank Length		Sys. Conn	Restraints (Saddles) for Horizontal Mounting						Ship Wt. with Restraints (Saddles)		Shipping Weight	
	Gal	Lit	Gal	Lit	In	mm	In	mm		F		G		H		Lbs	Kg	Lbs	Kg
										In	mm	In	mm	In	mm				
AX-15	8.0	30.3	2.4	9.1	12	305	19	489	1/2 ¹	14 3/8	365	10	254	8	203	61	28	55	25
AX-20	10.9	41.3	2.4	9.1	12	305	26	607	1/2 ¹	21 1/8	537	10	254	8	203	75	34	69	31
AX-40	21.7	82.2	11.3	42.8	16	356	29	737	1/2 ¹	22	557	14	356	12	305	127	58	111	50
AX-60	33.6	127.2	11.3	42.8	16	356	43	1073	1/2 ¹	36 3/8	918	14	356	12	305	160	73	144	65
AX-80	44.4	168.1	22.6	85.5	24	610	29	725	1 ¹	16 3/8	429	20	508	18	457	250	113	230	104
AX-100	55.7	211.8	22.6	85.5	24	610	33	840	1 ¹	21 1/2	546	20	508	18	457	281	127	261	118
AX-120	68.0	257.4	34.0	128.7	24	610	41	1051	1 ¹	29 1/2	749	20	508	18	457	326	148	306	139
AX-144	77.0	291.5	34.0	128.7	24	610	46	1170	1 ¹	34 3/8	873	20	508	18	457	347	157	327	148
AX-180	90.0	340.7	34.0	128.7	24	610	54	1357	1 ¹	41 3/4	1060	20	508	18	457	368	167	348	159
AX-200	110.0	416.4	34.0	128.7	24	610	64	1624	1 ¹	52 1/4	1327	20	508	18	457	424	192	404	183
AX-240	132.0	500.0	46.0	174.0	30	762	51	1295	1 ¹	35	889	24	610	22	559	627	284	602	273
AX-260	159.0	600.0	56.0	212.0	30	762	62	1581	1 1/4 ²	44 1/4	1124	24	610	22	559	708	321	683	310
AX-280	211.0	800.0	84.0	318.0	30	762	80	2032	1 1/4 ²	62	1575	24	610	22	559	895	406	870	395

All dimensions and weights are approximate.

Job Name _____	Notes _____
Engineer _____	_____
Contractor _____	_____
P.O. No. _____	_____
Sales Rep. _____	_____
Model No. _____	_____





EXTROL®

Hydronic Expansion Tanks: Horizontal AX Series ASME

300 PSIG Working Pressure

Construction

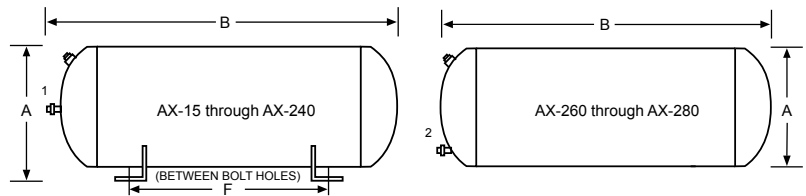
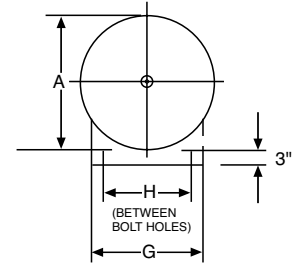
Shell	ASME Approved Steel
Diaphragm	Heavy Duty Butyl/EPDM
System Connection	NPTF ¹ Malleable Iron Center NPTM ² Steel Pipe, Top Offset
Finish	Red Oxide Primer
Air Valve	Schrader Valve w/EPDM Seats
Factory Precharge	12 PSIG (.8 bar)

Performance

Maximum Operating Temperature	240°F (115°C)
Maximum Working Pressure	300 PSIG (12 bar)
Warranty	1-Year

Application

- For use in closed, non-potable hydronic heating and chilled water systems.
- Designed to meet all ASME Code Section VIII, Division 1 standards.
- Available with optional sight glass and seismic restraints (saddles).
- Suitable in propylene glycol applications with mixtures up to 50%.



Horizontal ASME Models

Model Number	Tank Volume		Max. Accept. Volume		A Tank Diameter		B Tank Length		Sys. Conn	Restraints (Saddles) for Horizontal Mounting						Ship Wt. with Restraints (Saddles)		Shipping Weight	
										F		G		H					
	Gal	Lit	Gal	Lit	In	mm	In	mm		In	mm	In	mm	In	mm	Lbs	Kg	Lbs	Kg
AX-15	8.0	30.3	2.4	9.1	12	305	19	489	½ ¹	14¾	365	10	254	8	203	65	29	59	27
AX-20	10.9	41.3	2.4	9.1	12	305	26	607	½ ¹	21⅞	537	10	254	8	203	80	36	74	34
AX-40	21.7	82.2	11.3	42.8	16	356	29	737	½ ¹	22	557	14	356	12	305	134	61	118	54
AX-60	33.6	127.2	11.3	42.8	16	356	43	1073	½ ¹	36⅞	918	14	356	12	305	170	77	154	70
AX-80	44.4	168.1	22.6	85.5	24	610	29	725	1 ¹	16⅞	429	20	508	18	457	265	120	245	111
AX-100	55.7	211.8	22.6	85.5	24	610	33	840	1 ¹	21½	546	20	508	18	457	299	136	279	127
AX-120	68.0	257.4	34.0	128.7	24	610	41	1051	1 ¹	29½	749	20	508	18	457	347	157	327	148
AX-144	77.0	291.5	34.0	128.7	24	610	46	1170	1 ¹	34¾	873	20	508	18	457	370	168	350	159
AX-180	90.0	340.7	34.0	128.7	24	610	54	1357	1 ¹	41¼	1060	20	508	18	457	392	178	372	169
AX-200	110.0	416.4	34.0	128.7	24	610	64	1624	1 ¹	52¼	1327	20	508	18	457	450	204	430	195
AX-240	132.0	500.0	46.0	174.0	30	762	51	1295	1 ¹	35	889	24	610	22	559	667	303	642	291
AX-260	159.0	600.0	56.0	212.0	30	762	62	1581	1¼ ²	44¼	1124	24	610	22	559	753	342	728	330
AX-280	211.0	800.0	84.0	318.0	30	762	80	2032	1¼ ²	62	1575	24	610	22	559	755	433	930	422

All dimensions and weights are approximate.

Job Name _____	Notes _____
Engineer _____	_____
Contractor _____	_____
P.O. No. _____	_____
Sales Rep. _____	_____
Model No. _____	_____





EXTROL®

Hydronic Expansion Tanks: Vertical AX Series ASME

125 PSIG Working Pressure

Construction

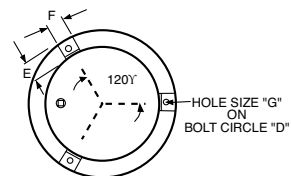
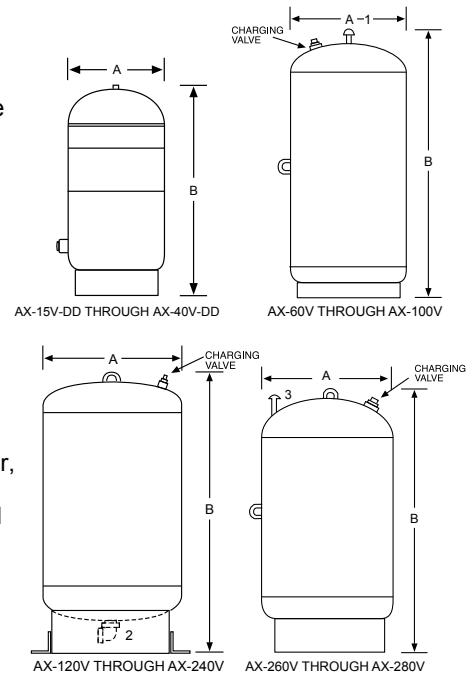
Shell	ASME Approved Steel
Diaphragm	Heavy Duty Butyl/EPDM
System Connection	NPTF ¹ Malleable Iron Center NPTM ² Steel Pipe, Top Offset
Finish	Red Oxide Primer
Air Valve	Schrader Valve w/EPDM Seats
Factory Precharge	12 PSIG (.8 bar)

Performance

Maximum Operating Temperature	240°F (115°C)
Maximum Working Pressure	125 PSIG (8.6 bar)
Warranty	1-Year

Application

- For use in closed, non-potable hydronic heating and chilled water systems.
- Designed to meet all ASME Code Section VIII, Division 1 standards.
- Available with optional sight glass and seismic restraints.
- Suitable in propylene glycol applications with mixtures up to 50%.
- Deep drawn models are lighter, stronger and more compact than traditional head and shell construction.



BOTTOM VIEW

Deep Drawn ASME Models

Model Number	Tank Volume		Max. Accept. Volume		A Tank Diameter		B Tank Height		Sys. Conn	Shipping Weight	
	Gal	Lit	Gal	Lit	In	mm	In	mm		In	Lbs
AX-15V-DD	8.6	33	3.2	12.1	12	305	22	559	¾ ¹	24	11
AX-20V-DD	16.5	63	11.3	43	15	381	25	636	¾ ¹	46	21
AX-40V-DD	23	88	11.3	43	15	381	33	838	¾ ¹	66	30

Head & Shell ASME Models

Model Number	Tank Volume		Max. Accept. Volume		A Tank Diameter		B Tank Height		Sys. Conn	Shipping Weight	
	Gal	Lit	Gal	Lit	In	mm	In	mm		In	Lbs
AX-60V	33.6	127.2	11.3	42.8	16	356	45	1143	½ ¹	98	44
AX-80V	44.4	168.1	22.6	85.5	24	610	29	737	1 ¹	155	70
AX-100V	55.7	211.8	22.6	85.5	24	610	34	863	1 ¹	176	80
AX-120V	68.0	257.4	34.0	128.7	24	610	47	1194	1 ²	214	97
AX-144V	77.0	291.5	34.0	128.7	24	610	52	1321	1 ²	230	104
AX-180V	90.0	340.7	34.0	128.7	24	610	60	1524	1 ²	271	123
AX-200V	110.0	416.4	34.0	128.7	24	610	66	1676	1 ²	290	132
AX-240V	132.0	500.0	46.0	174.0	30	762	58	1473	1 ²	401	182
AX-260V	159.0	600.0	56.0	212.0	30	762	65	1651	1¼ ³	460	209
AX-280V	211.0	800.0	84.0	318.0	30	762	82	2083	1¼ ³	590	268

All dimensions and weights are approximate.

Optional Seismic Restraints

Tank Diameter	Bolt Circle	Dim. E	Dim. F	Hole Size G
B	D	E	F	G
12	12¾	2	2	¼ ¹⁶
16¼	14¾	2	2	¼ ¹⁶
24	18	2	2	¼ ¹⁶
30	27	3	3	¾ ⁴

Job Name _____	Notes _____
Engineer _____	_____
Contractor _____	_____
P.O. No. _____	_____
Sales Rep. _____	_____
Model No. _____	_____





EXTROL®

Hydronic Expansion Tanks: Vertical AX Series ASME

150 PSIG Working Pressure

Construction

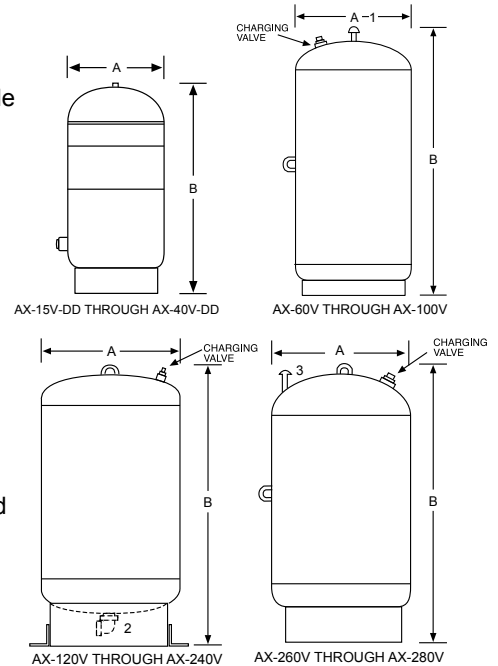
Shell	ASME Approved Steel
Diaphragm	Heavy Duty Butyl/EPDM
System Connection	NPTF ¹ Malleable Iron Center NPTF ² Malleable Iron Bottom NPTM ³ Steel Pipe, Top Offset
Finish	Red Oxide Primer
Air Valve	Schrader Valve w/EPDM Seats
Factory Precharge	12 PSIG (.8 bar)

Performance

Maximum Operating Temperature	240°F (115°C)
Maximum Working Pressure	150 PSIG (10.3 bar)
Warranty	1-Year

Application

- For use in closed, non-potable hydronic heating and chilled water systems.
- Designed to meet all ASME Code Section VIII, Division 1 standards.
- Available with optional sight glass and seismic restraints.
- Suitable in propylene glycol applications with mixtures up to 50%.
- Deep drawn models are lighter, stronger and more compact than traditional head and shell construction.

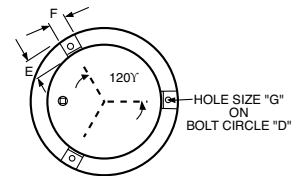


Deep Drawn ASME Models

Model Number	Tank Volume		Max. Accept. Volume		A Tank Diameter		B Tank Height		Sys. Conn	Shipping Weight	
	Gal	Lit	Gal	Lit	In	mm	In	mm		In	Lbs
AX-15V-DD	8.6	33	3.2	12.1	12	305	22	559	3/4" ¹	26	12
AX-20V-DD	16.5	63	11.3	43	15	381	25	636	3/4" ¹	48	22
AX-40V-DD	23	88	11.3	43	15	381	33	838	3/4" ¹	68	31

Head & Shell ASME Models

Model Number	Tank Volume		Max. Accept. Volume		A Tank Diameter		B Tank Height		Sys. Conn	Shipping Weight	
	Gal	Lit	Gal	Lit	In	mm	In	mm		In	Lbs
AX-60V	33.6	127.2	11.3	42.8	16	356	45	1143	1/2" ¹	103	47
AX-80V	44.4	168.1	22.6	85.5	24	610	29	737	1" ¹	167	76
AX-100V	55.7	211.8	22.6	85.5	24	610	34	863	1" ¹	187	85
AX-120V	68.0	257.4	34.0	128.7	24	610	47	1194	1 ²	255	116
AX-144V	77.0	291.5	34.0	128.7	24	610	52	1321	1 ²	267	121
AX-180V	90.0	340.7	34.0	128.7	24	610	60	1524	1 ²	275	125
AX-200V	110.0	416.4	34.0	128.7	24	610	66	1676	1 ²	358	162
AX-240V	132.0	500.0	46.0	174.0	30	762	58	1473	1 ²	403	183
AX-260V	159.0	600.0	56.0	212.0	30	762	65	1651	1 1/4" ³	467	212
AX-280V	211.0	800.0	84.0	318.0	30	762	82	2083	1 1/4" ³	605	274



BOTTOM VIEW

Optional Seismic Restraints

Tank Diameter	Bolt Circle	Dim. E	Dim. F	Hole Size
B	D	E	F	G
12	12 3/4	2	2	9/16
16 1/4	14 3/4	2	2	9/16
24	18	2	2	9/16
30	27	3	3	3/4

All dimensions and weights are approximate.

Job Name _____	Notes _____
Engineer _____	_____
Contractor _____	_____
P.O. No. _____	_____
Sales Rep. _____	_____
Model No. _____	_____





EXTROL®

Hydronic Expansion Tanks: Vertical AX Series ASME

175 PSIG Working Pressure

Construction

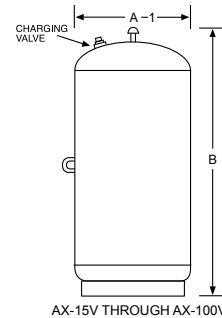
Shell	ASME Approved Steel
Diaphragm	Heavy Duty Butyl/EPDM
System Connection	NPTF ¹ Malleable Iron Center NPTF ² Malleable Iron Bottom NPTM ³ Steel Pipe, Top Offset
Finish	Red Oxide Primer
Air Valve	Schrader Valve w/EPDM Seats
Factory Precharge	12 PSIG (.8 bar)

Performance

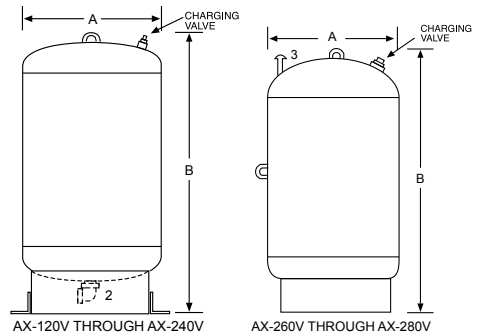
Maximum Operating Temperature	240°F (115°C)
Maximum Working Pressure	175 PSIG (12 bar)
Warranty	1-Year

Application

- For use in closed, non-potable hydronic heating and chilled water systems.
- Designed to meet all ASME Code Section VIII, Division 1 standards.
- Available with optional sight glass and seismic restraints.
- Suitable in propylene glycol applications with mixtures up to 50%.

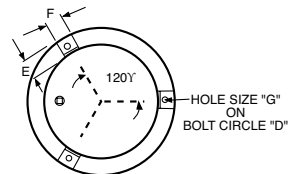


AX-15V THROUGH AX-100V



AX-120V THROUGH AX-240V

AX-260V THROUGH AX-280V



BOTTOM VIEW

Vertical ASME Models

Model Number	Tank Volume		Max. Accept. Volume		A Tank Diameter		B Tank Height		Sys. Conn	Shipping Weight	
	Gal	Lit	Gal	Lit	In	mm	In	mm		In	Lbs
AX-15V	8.0	30.3	2.4	9.1	12	305	20	508	½ ¹	49	22
AX-20V	10.9	41.3	2.4	9.1	12	305	27	686	½ ¹	61	28
AX-40V	21.7	82.2	11.3	42.8	16	356	30	762	½ ¹	99	45
AX-60V	33.6	127.2	11.3	42.8	16	356	45	1143	½ ¹	127	58
AX-80V	44.4	168.1	22.6	85.5	24	610	29	737	1 ¹	201	91
AX-100V	55.7	211.8	22.6	85.5	24	610	34	864	1 ¹	229	104
AX-120V	68.0	257.4	34.0	128.7	24	610	47	1194	1 ²	278	126
AX-144V	77.0	291.5	34.0	128.7	24	610	52	1321	1 ²	299	136
AX-180V	90.0	340.7	34.0	128.7	24	610	60	1524	1 ²	352	160
AX-200V	110.0	416.4	34.0	128.7	24	610	66	1676	1 ²	377	171
AX-240V	132.0	500.0	46.0	174.0	30	762	58	1473	1 ²	521	236
AX-260V	159.0	600.0	56.0	212.0	30	762	65	1651	1¼ ³	598	271
AX-280V	211.0	800.0	84.0	318.0	30	762	82	2083	1¼ ³	767	348

All dimensions and weights are approximate.

Optional Seismic Restraints

Tank Diameter	Bolt Circle	Dim. E	Dim. F	Hole Size G
B	D	E	F	G
12	12¾	2	2	¼/16
16¼	14¾	2	2	¼/16
24	18	2	2	¼/16
30	27	3	3	¾/4

Job Name _____	Notes _____
Engineer _____	_____
Contractor _____	_____
P.O. No. _____	_____
Sales Rep. _____	_____
Model No. _____	_____





EXTROL®

Hydronic Expansion Tanks: Vertical AX Series ASME

250 PSIG Working Pressure

Construction

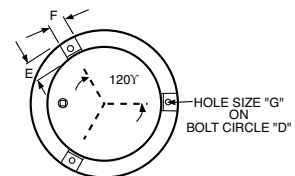
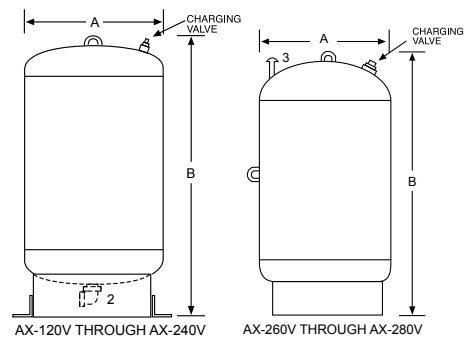
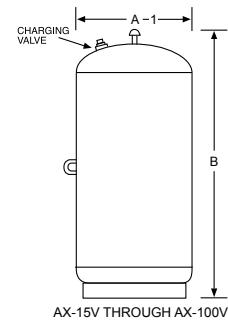
Shell	ASME Approved Steel
Diaphragm	Heavy Duty Butyl/EPDM
System Connection	NPTF ¹ Malleable Iron Center NPTF ² Malleable Iron Bottom NPTM ³ Steel Pipe, Top Offset
Finish	Red Oxide Primer
Air Valve	Schrader Valve w/EPDM Seats
Factory Precharge	12 PSIG (.8 bar)

Performance

Maximum Operating Temperature	240°F (115°C)
Maximum Working Pressure	250 PSIG (17.2 bar)
Warranty	1-Year

Application

- For use in closed, non-potable hydronic heating and chilled water systems.
- Designed to meet all ASME Code Section VIII, Division 1 standards.
- Available with optional sight glass and seismic restraints.
- Suitable in propylene glycol applications with mixtures up to 50%.



BOTTOM VIEW

Vertical ASME Models

Model Number	Tank Volume		Max. Accept. Volume		A Tank Diameter		B Tank Height		Sys. Conn	Shipping Weight	
	Gal	Lit	Gal	Lit	In	mm	In	mm		In	Lbs
AX-15V	8.0	30.3	2.4	9.1	12	305	20	508	½ ¹	59	27
AX-20V	10.9	41.3	2.4	9.1	12	305	27	686	½ ¹	71	32
AX-40V	21.7	82.2	11.3	42.8	16	356	30	762	½ ¹	114	52
AX-60V	33.6	127.2	11.3	42.8	16	356	45	1143	½ ¹	147	67
AX-80V	44.4	168.1	22.6	85.5	24	610	29	737	1 ¹	233	106
AX-100V	55.7	211.8	22.6	85.5	24	610	34	864	1 ¹	264	120
AX-120V	68.0	257.4	34.0	128.7	24	610	47	1194	1 ²	321	146
AX-144V	77.0	291.5	34.0	128.7	24	610	52	1321	1 ²	345	156
AX-180V	90.0	340.7	34.0	128.7	24	610	60	1524	1 ²	407	185
AX-200V	110.0	416.4	34.0	128.7	24	610	66	1676	1 ²	435	197
AX-240V	132.0	500.0	46.0	174.0	30	762	58	1473	1 ²	602	273
AX-260V	159.0	600.0	56.0	212.0	30	762	65	1651	1¼ ³	690	313
AX-280V	211.0	800.0	84.0	318.0	30	762	82	2083	1¼ ³	885	401

All dimensions and weights are approximate.

Optional Seismic Restraints

Tank Diameter	Bolt Circle	Dim. E	Dim. F	Hole Size G
B	D			
12	12¾	2	2	⅜
16¼	14¾	2	2	⅜
24	18	2	2	⅜
30	27	3	3	¾

Job Name _____	Notes _____
Engineer _____	_____
Contractor _____	_____
P.O. No. _____	_____
Sales Rep. _____	_____
Model No. _____	_____





EXTROL®

Hydronic Expansion Tanks: Vertical AX Series ASME

300 PSIG Working Pressure

Construction

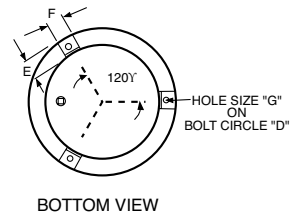
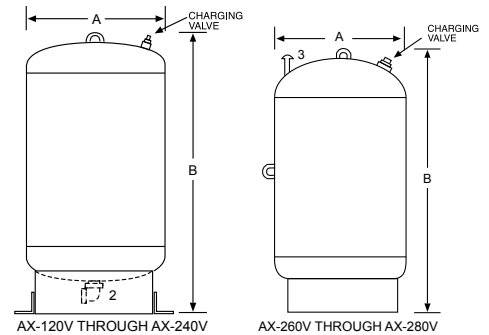
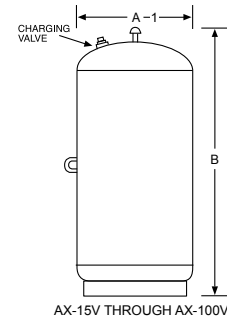
Shell	ASME Approved Steel
Diaphragm	Heavy Duty Butyl/EPDM
System Connection	NPTF ¹ Malleable Iron Center NPTF ² Malleable Iron Bottom NPTM ³ Steel Pipe, Top Offset
Finish	Red Oxide Primer
Air Valve	Schrader Valve w/EPDM Seats
Factory Precharge	12 PSIG (.8 bar)

Performance

Maximum Operating Temperature	240°F (115°C)
Maximum Working Pressure	300 PSIG (20.7 bar)
Warranty	1-Year

Application

- For use in closed, non-potable hydronic heating and chilled water systems.
- Designed to meet all ASME Code Section VIII, Division 1 standards.
- Available with optional sight glass and seismic restraints.
- Suitable in propylene glycol applications with mixtures up to 50%.



Vertical ASME Models

Model Number	Tank Volume		Max. Accept. Volume		A Tank Diameter		B Tank Height		Sys. Conn	Shipping Weight	
	Gal	Lit	Gal	Lit	In	mm	In	mm		Lbs	Kg
AX-15V	8.0	30.3	2.4	9.1	12	305	20	508	½ ¹	62	28
AX-20V	10.9	41.3	2.4	9.1	12	305	27	686	½ ¹	75	34
AX-40V	21.7	82.2	11.3	42.8	16	356	30	762	½ ¹	122	55
AX-60V	33.6	127.2	11.3	42.8	16	356	45	1143	½ ¹	157	71
AX-80V	44.4	168.1	22.6	85.5	24	610	29	737	1 ¹	248	112
AX-100V	55.7	211.8	22.6	85.5	24	610	34	864	1 ¹	282	128
AX-120V	68.0	257.4	34.0	128.7	24	610	47	1194	1 ²	342	155
AX-144V	77.0	291.5	34.0	128.7	24	610	52	1321	1 ²	368	167
AX-180V	90.0	340.7	34.0	128.7	24	610	60	1524	1 ²	434	197
AX-200V	110.0	416.4	34.0	128.7	24	610	66	1676	1 ²	464	210
AX-240V	132.0	500.0	46.0	174.0	30	762	58	1473	1 ²	642	291
AX-260V	159.0	600.0	56.0	212.0	30	762	65	1651	1¼ ³	736	334
AX-280V	211.0	800.0	84.0	318.0	30	762	82	2083	1¼ ³	945	429

All dimensions and weights are approximate.

Optional Seismic Restraints

Tank Diameter	Bolt Circle	Dim. E	Dim. F	Hole Size G
B	D	E	F	G
12	12¾	2	2	9/16
16¼	14¾	2	2	9/16
24	18	2	2	9/16
30	27	3	3	¾

Job Name _____	Notes _____
Engineer _____	_____
Contractor _____	_____
P.O. No. _____	_____
Sales Rep. _____	_____
Model No. _____	_____





125 PSIG Working Pressure

Construction

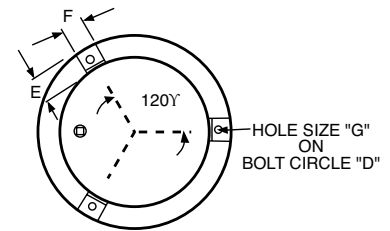
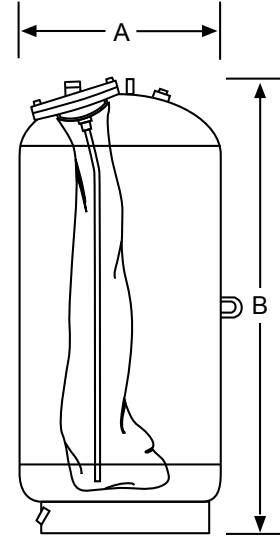
Shell	ASME Approved Steel
Bladder Design	Full Acceptance; Replaceable
Bladder Thickness	.100 In Minimum
System Connection	NPTF SA-105 Steel
Finish	Red Oxide Primer
Air Valve	Schrader Valve w/EPDM Seats
Factory Precharge	12 PSIG (.8 bar)

Performance

Maximum Operating Temperature	240°F (115°C)
Maximum Working Pressure	125 PSIG (8.6 bar)
Warranty	1-Year

Application

- For use in closed, non-potable hydronic heating and chilled water systems.
- Replaceable, full acceptance bladder design.
- Meets all ASME Code Section VIII, Division 1 standards.
- Available with optional sight glass and seismic restraints.
- Suitable in propylene glycol applications with mixtures up to 50%.



BOTTOM VIEW

ASME Models

Model Number	Tank Volume		A Tank Diameter		B Tank Height		C Stand Diameter		System Conn. (NPTF)		Drain Conn.		Shipping Weight	
	Gal	Lit	In	mm	In	mm	In	mm	In	mm	In	mm	Lbs	Kg
200-L	53	200	24	610	38	956	19	483	1	25	3/4	19	190	86
300-L	80	300	24	610	52	1308	19	483	1	25	3/4	19	230	104
400-L	106	400	24	610	66	1662	19	483	1	25	3/4	19	275	125
500-L	132	500	24	610	79	2006	19	483	1	25	3/4	19	311	141
600-L	158	600	30	762	64	1619	24	610	1 1/2	38	1	25	439	199
800-L	211	800	30	762	82	2076	24	610	1 1/2	38	1	25	543	246
1000-L	264	1000	36	914	74	1867	30	762	1 1/2	38	1 1/4	32	609	276
1200-L	317	1200	36	914	86	2181	30	762	1 1/2	38	1 1/4	32	700	318
1400-L	370	1400	36	914	98	2496	30	762	1 1/2	38	1 1/4	32	783	355
1600-L	422	1600	48	1219	69	1756	42	1067	1 1/2	38	1 1/2	38	1106	502
2000-L	528	2000	48	1219	84	2145	42	1067	1 1/2	38	1 1/2	38	1284	582
2500-L	660	2500	48	1219	101	2562	42	1067	2	50	1 1/2	38	1544	700
3000-L	792	3000	48	1219	118	3000	42	1067	2	50	1 1/2	38	1719	780
3500-L	925	3500	54	1372	111	2820	42	1067	2	50	1 1/2	38	2187	992
4000-L	1057	4000	54	1372	125	3175	42	1067	2	50	1 1/2	38	2352	1067
5000-L	1321	5000	60	1524	128	3251	42	1067	2	50	1 1/2	38	2450	1111
7500-L	1980	7500	72	1829	127	3226	54	1372	3	76	1 1/2	38	4000	1818
7500-LCAN	1980	7500	72	1829	144	3658	54	1372	3	76	1 1/2	38	4000	1818
10000-L	2640	10000	72	1829	159	4039	54	1372	3	76	1 1/2	38	4900	2227
15000-L	3963	15000	72	1829	233	5918	54	1372	3	76	1 1/2	38	6000	2727

All dimensions and weights are approximate.

Optional Seismic Restraints

Tank Diameter	Bolt Circle	Dim.	Dim.	Hole Size
B	D	E	F	G
24	21	2	2	9/16
30	27	3	3	1 1/16
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

Job Name _____	Notes _____
Engineer _____	_____
Contractor _____	_____
P.O. No. _____	_____
Sales Rep. _____	_____
Model No. _____	_____





150 PSIG Working Pressure

Construction

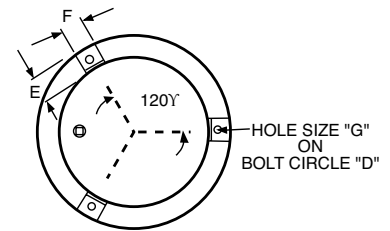
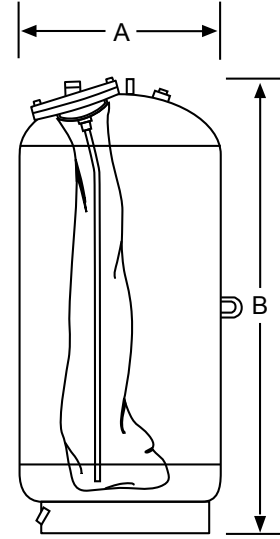
Shell	ASME Approved Steel
Bladder Design	Full Acceptance; Replaceable
Bladder Thickness	.100 In Minimum
System Connection	NPTF SA-105 Steel
Finish	Red Oxide Primer
Air Valve	Schrader Valve w/EPDM Seats
Factory Precharge	12 PSIG (.8 bar)

Performance

Maximum Operating Temperature	240°F (115°C)
Maximum Working Pressure	150 PSIG (10.3 bar)
Warranty	1-Year

Application

- For use in closed, non-potable hydronic heating and chilled water systems.
- Replaceable, full acceptance bladder design.
- Meets all ASME Code Section VIII, Division 1 standards.
- Available with optional sight glass and seismic restraints.
- Suitable in propylene glycol applications with mixtures up to 50%.



BOTTOM VIEW

ASME Models

Model Number	Tank Volume		A Tank Diameter		B Tank Height		C Stand Diameter		System Conn. (NPTF)		Drain Conn.		Shipping Weight	
	Gal	Lit	In	mm	In	mm	In	mm	In	mm	In	mm	Lbs	Kg
200-L	53	200	24	610	38	956	19	483	1	25	3/4	19	205	93
300-L	80	300	24	610	52	1308	19	483	1	25	3/4	19	292	133
400-L	106	400	24	610	66	1662	19	483	1	25	3/4	19	343	156
500-L	132	500	24	610	79	2006	19	483	1	25	3/4	19	372	169
600-L	158	600	30	762	64	1619	24	610	1 1/2	38	1	25	510	231
800-L	211	800	30	762	82	2076	24	610	1 1/2	38	1	25	565	257
1000-L	264	1000	36	914	74	1867	30	762	1 1/2	38	1 1/4	32	750	340
1200-L	317	1200	36	914	86	2181	30	762	1 1/2	38	1 1/4	32	860	390
1400-L	370	1400	36	914	98	2496	30	762	1 1/2	38	1 1/4	32	970	440
1600-L	422	1600	48	1219	69	1756	42	1067	1 1/2	38	1 1/2	38	1425	647
2000-L	528	2000	48	1219	84	2145	42	1067	1 1/2	38	1 1/2	38	1675	760
2500-L	660	2500	48	1219	101	2562	42	1067	2	50	1 1/2	38	1945	883
3000-L	792	3000	48	1219	118	3000	42	1067	2	50	1 1/2	38	2225	1010
3500-L	925	3500	54	1372	111	2820	42	1067	2	50	1 1/2	38	2375	1078
4000-L	1057	4000	54	1372	125	3175	42	1067	2	50	1 1/2	38	2640	1198
5000-L	1321	5000	60	1524	128	3251	42	1067	2	50	1 1/2	38	3740	1700
7500-L	1980	7500	72	1829	127	3226	54	1372	3	76	1 1/2	38	4300	1950
7500-LCAN	1980	7500	72	1829	144	3658	54	1372	3	76	1 1/2	38	4300	1950
10000-L	2640	10000	72	1829	159	4039	54	1372	3	76	1 1/2	38	5300	2404
15000-L	3963	15000	72	1829	233	5918	54	1372	3	76	1 1/2	38	7600	3447

Optional Seismic Restraints

Tank Diameter	Bolt Circle	Dim. E	Dim. F	Hole Size
B	D	E	F	G
24	21	2	2	9/16
30	27	3	3	1 1/16
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 _____	Notes _____
Engineer _____	_____
Contractor _____	_____
P.O. No. _____	_____
Sales Rep. _____	_____
Model No. _____	_____





175 PSIG Working Pressure

Construction

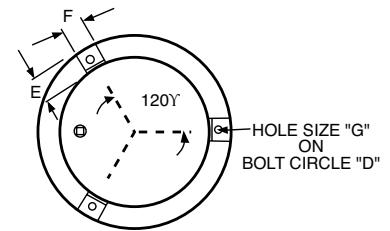
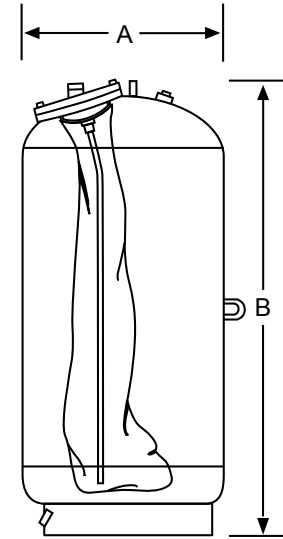
Shell	ASME Approved Steel
Bladder Design	Full Acceptance; Replaceable
Bladder Thickness	.100 In Minimum
System Connection	NPTF SA-105 Steel
Finish	Red Oxide Primer
Air Valve	Schrader Valve w/EPDM Seats
Factory Precharge	12 PSIG (.8 bar)

Performance

Maximum Operating Temperature	240°F (115°C)
Maximum Working Pressure	175 PSIG (12 bar)
Warranty	1-Year

Application

- For use in closed, non-potable hydronic heating and chilled water systems.
- Replaceable, full acceptance bladder design.
- Meets all ASME Code Section VIII, Division 1 standards.
- Available with optional sight glass and seismic restraints.
- Suitable in propylene glycol applications with mixtures up to 50%.



BOTTOM VIEW

ASME Models

Model Number	Tank Volume		A Tank Diameter		B Tank Height		C Stand Diameter		System Conn. (NPTF)		Drain Conn.		Shipping Weight	
	Gal	Lit	In	mm	In	mm	In	mm	In	mm	In	mm	Lbs	Kg
200-L	53	200	24	610	38	956	19	483	1	25	3/4	19	250	114
300-L	80	300	24	610	52	1308	19	483	1	25	3/4	19	320	146
400-L	106	400	24	610	66	1662	19	483	1	25	3/4	19	375	170
500-L	132	500	24	610	79	2006	19	483	1	25	3/4	19	435	198
600-L	158	600	30	762	64	1619	24	610	1 1/2	38	1	25	595	270
800-L	211	800	30	762	82	2076	24	610	1 1/2	38	1	25	620	282
1000-L	264	1000	36	914	74	1867	30	762	1 1/2	38	1 1/4	32	750	340
1200-L	317	1200	36	914	86	2181	30	762	1 1/2	38	1 1/4	32	860	390
1400-L	370	1400	36	914	98	2496	30	762	1 1/2	38	1 1/4	32	970	440
1600-L	422	1600	48	1219	69	1756	42	1067	1 1/2	38	1 1/2	38	1615	733
2000-L	528	2000	48	1219	84	2145	42	1067	1 1/2	38	1 1/2	38	2386	1082
2500-L	660	2500	48	1219	101	2562	42	1067	2	50	1 1/2	38	2411	1093
3000-L	792	3000	48	1219	118	3000	42	1067	2	50	1 1/2	38	2500	1133
3500-L	925	3500	54	1372	111	2820	42	1067	2	50	1 1/2	38	2620	1188
4000-L	1057	4000	54	1372	125	3175	42	1067	2	50	1 1/2	38	3000	1360
5000-L	1321	5000	60	1524	128	3251	42	1067	2	50	1 1/2	38	4100	1863
7500-L	1980	7500	72	1829	127	3226	54	1372	3	76	1 1/2	38	4500	2045
7500-LCAN	1980	7500	72	1829	144	3658	54	1372	3	76	1 1/2	38	4500	2045
10000-L	2640	10000	72	1829	159	4039	54	1372	3	76	1 1/2	38	5500	2500
15000-L	3963	15000	72	1829	233	5918	54	1372	3	76	1 1/2	38	8650	3925

Optional Seismic Restraints

Tank Diameter	Bolt Circle	Dim. E	Dim. F	Hole Size
B	D	E	F	G
24	21	2	2	9/16
30	28	4	4	7/8
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 _____	Notes _____
Engineer _____	_____
Contractor _____	_____
P.O. No. _____	_____
Sales Rep. _____	_____
Model No. _____	_____





250 PSIG Working Pressure

Construction

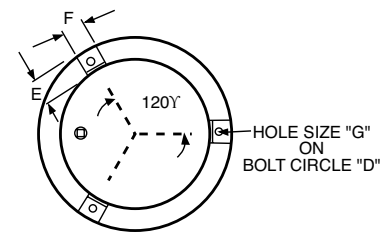
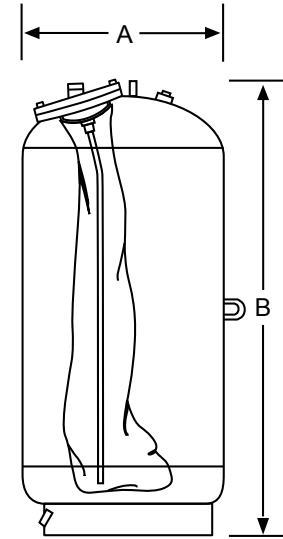
Shell	ASME Approved Steel
Bladder Design	Full Acceptance; Replaceable
Bladder Thickness	.100 In Minimum
System Connection	NPTF SA-105 Steel
Finish	Red Oxide Primer
Air Valve	Schrader Valve w/EPDM Seats
Factory Precharge	12 PSIG (.8 bar)

Performance

Maximum Operating Temperature	240°F (115°C)
Maximum Working Pressure	250 PSIG (17.2 bar)
Warranty	1-Year

Application

- For use in closed, non-potable hydronic heating and chilled water systems.
- Replaceable, full acceptance bladder design.
- Meets all ASME Code Section VIII, Division 1 standards.
- Available with optional sight glass and seismic restraints.
- Suitable in propylene glycol applications with mixtures up to 50%.



BOTTOM VIEW

ASME Models

Model Number	Tank Volume		A Tank Diameter		B Tank Height		C Stand Diameter		System Conn. (NPTF)		Drain Conn.		Shipping Weight	
	Gal	Lit	In	mm	In	mm	In	mm	In	mm	In	mm	Lbs	Kg
200-L	53	200	24	610	38	956	19	483	1	25	3/4	19	290	132
300-L	80	300	24	610	52	1308	19	483	1	25	3/4	19	385	175
400-L	106	400	24	610	66	1662	19	483	1	25	3/4	19	465	211
500-L	132	500	24	610	79	2006	19	483	1	25	3/4	19	545	248
600-L	158	600	30	762	64	1619	24	610	1 1/2	38	1	25	720	327
800-L	211	800	30	762	82	2076	24	610	1 1/2	38	1	25	905	411
1000-L	264	1000	36	914	74	1867	30	762	1 1/2	38	1 1/4	32	1015	461
1200-L	317	1200	36	914	86	2181	30	762	1 1/2	38	1 1/4	32	1175	533
1400-L	370	1400	36	914	98	2496	30	762	1 1/2	38	1 1/4	32	1335	606
1600-L	422	1600	48	1219	69	1756	42	1067	1 1/2	38	1 1/2	38	1916	869
2000-L	528	2000	48	1219	84	2145	42	1067	1 1/2	38	1 1/2	38	2410	1093
2500-L	660	2500	48	1219	101	2562	42	1067	2	50	1 1/2	38	2585	1173
3000-L	792	3000	48	1219	118	3000	42	1067	2	50	1 1/2	38	2950	1338
3500-L	925	3500	54	1372	111	2820	42	1067	2	50	1 1/2	38	3660	1661
4000-L	1057	4000	54	1372	125	3175	42	1067	2	50	1 1/2	38	4080	1851
5000-L	1321	5000	60	1524	128	3251	42	1067	2	50	1 1/2	38	4200	1909
7500-L	1980	7500	72	1829	127	3226	54	1372	3	76	1 1/2	38	5550	2522
7500-LCAN	1980	7500	72	1829	144	3658	54	1372	3	76	1 1/2	38	5550	2522
10000-L	2640	10000	72	1829	159	4039	54	1372	3	76	1 1/2	38	6800	3090
15000-L	3963	15000	72	1829	233	5918	54	1372	3	76	1 1/2	38	9800	4454

Optional Seismic Restraints

Tank Diameter	Bolt Circle	Dim. E	Dim. F	Hole Size
B	D	E	F	G
24	21	2	2	9/16
30	28	4	4	7/8
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 _____	Notes _____
Engineer _____	_____
Contractor _____	_____
P.O. No. _____	_____
Sales Rep. _____	_____
Model No. _____	_____





300 PSIG Working Pressure

Construction

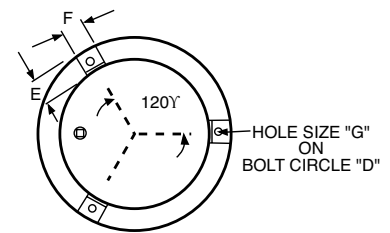
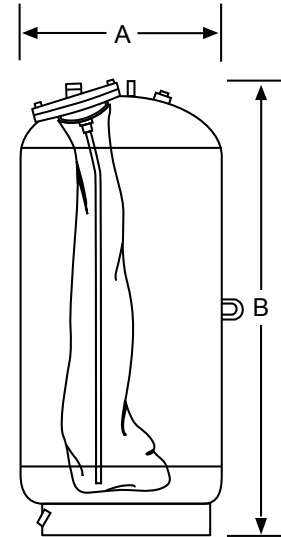
Shell	ASME Approved Steel
Bladder Design	Full Acceptance; Replaceable
Bladder Thickness	.100 In Minimum
System Connection	NPTF SA-105 Steel
Finish	Red Oxide Primer
Air Valve	Schrader Valve w/EPDM Seats
Factory Precharge	12 PSIG (.8 bar)

Performance

Maximum Operating Temperature	240°F (115°C)
Maximum Working Pressure	300 PSIG (20.7 bar)
Warranty	1-Year

Application

- For use in closed, non-potable hydronic heating and chilled water systems.
- Replaceable, full acceptance bladder design.
- Meets all ASME Code Section VIII, Division 1 standards.
- Available with optional sight glass and seismic restraints.
- Suitable in propylene glycol applications with mixtures up to 50%.



BOTTOM VIEW

ASME Models

Model Number	Tank Volume		A Tank Diameter		B Tank Height		C Stand Diameter		System Conn. (NPTF)		Drain Conn.		Shipping Weight	
	Gal	Lit	In	mm	In	mm	In	mm	In	mm	In	mm	Lbs	Kg
200-L	53	200	24	610	38	956	19	483	1	25	3/4	19	297	135
300-L	80	300	24	610	52	1308	19	483	1	25	3/4	19	372	169
400-L	106	400	24	610	66	1662	19	483	1	25	3/4	19	595	270
500-L	132	500	24	610	79	2006	19	483	1	25	3/4	19	750	340
600-L	158	600	30	762	64	1619	24	610	1 1/2	38	1	25	810	367
800-L	211	800	30	762	82	2076	24	610	1 1/2	38	1	25	950	431
1000-L	264	1000	36	914	74	1867	30	762	1 1/2	38	1 1/4	32	1065	483
1200-L	317	1200	36	914	86	2181	30	762	1 1/2	38	1 1/4	32	1235	560
1400-L	370	1400	36	914	98	2496	30	762	1 1/2	38	1 1/4	32	1400	635
1600-L	422	1600	48	1219	69	1756	42	1067	1 1/2	38	1 1/2	38	2015	914
2000-L	528	2000	48	1219	84	2145	42	1067	1 1/2	38	1 1/2	38	2651	1202
2500-L	660	2500	48	1219	101	2562	42	1067	2	50	1 1/2	38	2715	1232
3000-L	792	3000	48	1219	118	3000	42	1067	2	50	1 1/2	38	3100	1406
3500-L	925	3500	54	1372	111	2820	42	1067	2	50	1 1/2	38	3780	1715
4000-L	1057	4000	54	1372	125	3175	42	1067	2	50	1 1/2	38	4285	1944
5000-L	1321	5000	60	1524	128	3251	42	1067	2	50	1 1/2	38	5200	2359
7500-L	1980	7500	72	1829	127	3226	54	1372	3	76	1 1/2	38	6750	3062
7500-LCAN	1980	7500	72	1829	144	3658	54	1372	3	76	1 1/2	38	6750	3062
10000-L	2640	10000	72	1829	159	4039	54	1372	3	76	1 1/2	38	11000	4990
15000-L	3963	15000	72	1829	233	5918	54	1372	3	76	1 1/2	38	12500	5670

Optional Seismic Restraints

Tank Diameter	Bolt Circle	Dim. E	Dim. F	Hole Size
B	D	E	F	G
24	21	2	2	9/16
30	28	4	4	7/8
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 _____	Notes _____
Engineer _____	_____
Contractor _____	_____
P.O. No. _____	_____
Sales Rep. _____	_____
Model No. _____	_____





125 PSIG Working Pressure

Construction

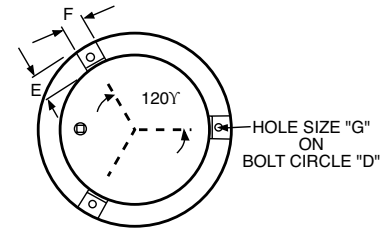
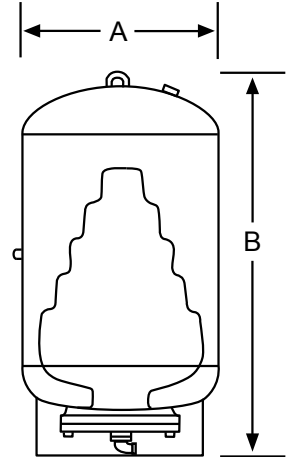
Shell	ASME Approved Steel
Bladder Design	Partial Acceptance; Replaceable
Bladder Thickness (models 35-100)	.087 In Minimum
Bladder Thickness (models 130-600)	.100 In Minimum
System Connection	NPTF Malleable Iron
Finish	Red Oxide Primer
Air Valve	Schrader Valve w/EPDM Seats
Factory Precharge	12 PSIG (.8 bar)

Performance

Maximum Operating Temperature	240°F (115°C)
Maximum Working Pressure	125 PSIG (8.6 bar)
Warranty	1-Year

Application

- For use in closed, non-potable hydronic heating and chilled water systems.
- Replaceable, partial acceptance bladder design.
- Meets all ASME Code Section VIII, Division 1 standards.
- Available with optional sight glass and seismic restraints.
- Suitable in propylene glycol applications with mixtures up to 50%.



BOTTOM VIEW

ASME Models

Model Number	Tank Volume		Max. Accept. Factor	A Tank Diameter		B Tank Height		System Conn. (NPTF)	Shipping Weight	
	Gal	Lit		In	mm	Inch	mm		Lbs	Kg
35LBC	10	35	1.00	10	254	37	940	1	67	30
50LBC	13	50	.85	12	305	37	940	1	76	34
85LBC	22	85	.50	16	406	35	889	1	92	42
100LBC	26	100	.42	16	406	39	991	1	99	45
130LBC	34	130	.79	20	508	35	889	1	135	61
165LBC	44	165	.61	20	508	40	1016	1	149	68
200LBC	53	200	.51	24	610	41	1041	1	195	88
300LBC	80	300	.34	24	610	56	1422	1	233	106
400LBC	106	400	.50	24	610	69	1753	1	274	124
500LBC	132	500	.40	24	610	83	2108	1	310	141
600LBC	158	600	.34	30	762	67	1702	1	438	199

Optional Seismic Restraints

Tank Diameter	Bolt Circle	Dim. E	Dim. F	Hole Size
B	D	E	F	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 _____	Notes _____
Engineer _____	_____
Contractor _____	_____
P.O. No. _____	_____
Sales Rep. _____	_____
Model No. _____	_____





EXTROL®

Hydronic Expansion Tanks: LBC Series ASME

150 PSIG Working Pressure

Construction

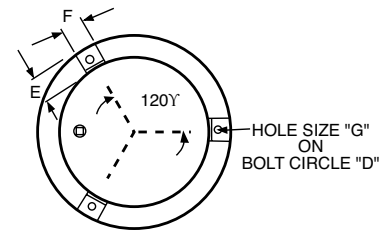
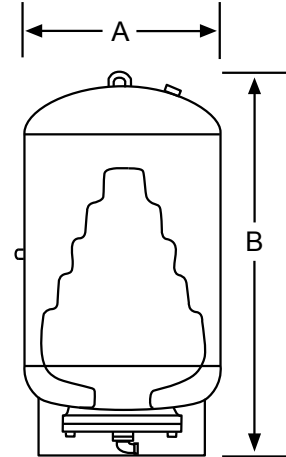
Shell	ASME Approved Steel
Bladder Design	Partial Acceptance; Replaceable
Bladder Thickness (models 35-100)	.087 In Minimum
Bladder Thickness (models 130-600)	.100 In Minimum
System Connection	NPTF Malleable Iron
Finish	Red Oxide Primer
Air Valve	Schrader Valve w/EPDM Seats
Factory Precharge	12 PSIG (.8 bar)

Performance

Maximum Operating Temperature	240°F (115°C)
Maximum Working Pressure	150 PSIG (10.3 bar)
Warranty	1-Year

Application

- For use in closed, non-potable hydronic heating and chilled water systems.
- Replaceable, partial acceptance bladder design.
- Meets all ASME Code Section VIII, Division 1 standards.
- Available with optional sight glass and seismic restraints.
- Suitable in propylene glycol applications with mixtures up to 50%.



BOTTOM VIEW

ASME Models

Model Number	Tank Volume		Max. Accept. Factor	A Tank Diameter		B Tank Height		System Conn. (NPTF)	Shipping Weight	
	Gal	Lit		In	mm	Inch	mm		Lbs	Kg
35LBC	10	35	1.00	10	254	37	940	1	76	34
50LBC	13	50	.85	12	305	37	940	1	78	35
85LBC	22	85	.50	16	406	35	889	1	95	43
100LBC	26	100	.42	16	406	39	991	1	102	46
130LBC	34	130	.79	20	508	35	889	1	140	64
165LBC	44	165	.61	20	508	40	1016	1	153	69
200LBC	53	200	.51	24	610	41	1041	1	205	93
300LBC	80	300	.34	24	610	56	1422	1	254	115
400LBC	106	400	.50	24	610	69	1753	1	308	140
500LBC	132	500	.40	24	610	83	2108	1	352	160
600LBC	158	600	.34	30	762	67	1702	1	442	200

Optional Seismic Restraints

Tank Diameter	Bolt Circle	Dim. E	Dim. F	Hole Size G
B	D	E	F	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	3	3	³ / ₄

All dimensions and weights are approximate.

Job Name _____	Notes _____
Engineer _____	_____
Contractor _____	_____
P.O. No. _____	_____
Sales Rep. _____	_____
Model No. _____	_____





EXTROL®

Hydronic Expansion Tanks: LBC Series ASME

175 PSIG Working Pressure

Construction

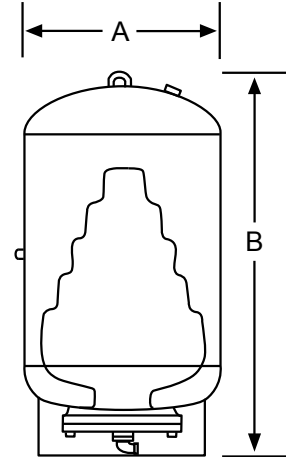
Shell	ASME Approved Steel
Bladder Design	Partial Acceptance; Replaceable
Bladder Thickness (models 35-100)	.087 In Minimum
Bladder Thickness (models 130-600)	.100 In Minimum
System Connection	NPTF Malleable Iron
Finish	Red Oxide Primer
Air Valve	Schrader Valve w/EPDM Seats
Factory Precharge	12 PSIG (.8 bar)

Performance

Maximum Operating Temperature	240°F (115°C)
Maximum Working Pressure	175 PSIG (12 bar)
Warranty	1-Year

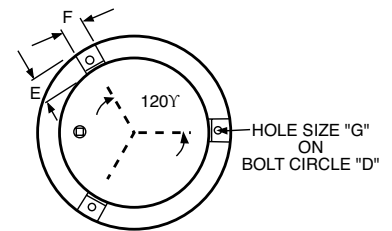
Application

- For use in closed, non-potable hydronic heating and chilled water systems.
- Replaceable, partial acceptance bladder design.
- Meets all ASME Code Section VIII, Division 1 standards.
- Available with optional sight glass and seismic restraints.
- Suitable in propylene glycol applications with mixtures up to 50%.



ASME Models

Model Number	Tank Volume		Max. Accept. Factor	A Tank Diameter		B Tank Height		System Conn. (NPTF)	Shipping Weight	
	Gal	Lit		In	mm	Inch	mm		Lbs	Kg
35LBC	10	35	1.00	10	254	37	940	1	80	36
50LBC	13	50	.85	12	305	37	940	1	91	41
85LBC	22	85	.50	16	406	35	889	1	110	50
100LBC	26	100	.42	16	406	39	991	1	119	54
130LBC	34	130	.79	20	508	35	889	1	162	73
165LBC	44	165	.61	20	508	40	1016	1	178	81
200LBC	53	200	.51	24	610	41	1041	1	234	106
300LBC	80	300	.34	24	610	56	1422	1	280	127
400LBC	106	400	.50	24	610	69	1753	1	329	149
500LBC	132	500	.40	24	610	83	2108	1	372	169
600LBC	158	600	.34	30	762	67	1702	1	525	238



BOTTOM VIEW

Optional Seismic Restraints

Tank Diameter	Bolt Circle	Dim. E	Dim. F	Hole Size G
B	D	E	F	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 _____	Notes _____
Engineer _____	_____
Contractor _____	_____
P.O. No. _____	_____
Sales Rep. _____	_____
Model No. _____	_____





EXTROL®

Hydronic Expansion Tanks: LBC Series ASME

250 PSIG Working Pressure

Construction

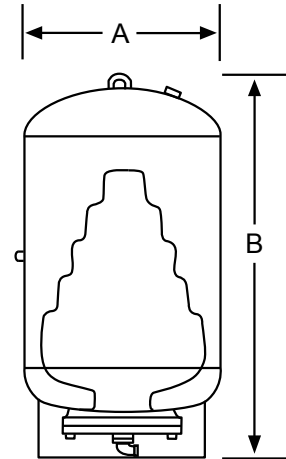
Shell	ASME Approved Steel
Bladder Design	Partial Acceptance; Replaceable
Bladder Thickness (models 35-100)	.087 In Minimum
Bladder Thickness (models 130-600)	.100 In Minimum
System Connection	NPTF Malleable Iron
Finish	Red Oxide Primer
Air Valve	Schrader Valve w/EPDM Seats
Factory Precharge	12 PSIG (.8 bar)

Performance

Maximum Operating Temperature	240°F (115°C)
Maximum Working Pressure	250 PSIG (17.2 bar)
Warranty	1-Year

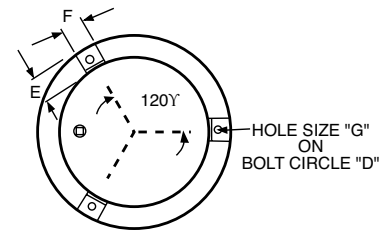
Application

- For use in closed, non-potable hydronic heating and chilled water systems.
- Replaceable, partial acceptance bladder design.
- Meets all ASME Code Section VIII, Division 1 standards.
- Available with optional sight glass and seismic restraints.
- Suitable in propylene glycol applications with mixtures up to 50%.



ASME Models

Model Number	Tank Volume		Max. Accept. Factor	A Tank Diameter		B Tank Height		System Conn. (NPTF)	Shipping Weight	
	Gal	Lit		In	mm	Inch	mm		Lbs	Kg
35LBC	10	35	1.00	10	254	37	940	1	94	43
50LBC	13	50	.85	12	305	37	940	1	106	48
85LBC	22	85	.50	16	406	35	889	1	129	59
100LBC	26	100	.42	16	406	39	991	1	138	63
130LBC	34	130	.79	20	508	35	889	1	189	86
165LBC	44	165	.61	20	508	40	1016	1	214	97
200LBC	53	200	.51	24	610	41	1041	1	273	124
300LBC	80	300	.34	24	610	56	1422	1	326	148
400LBC	106	400	.50	24	610	69	1753	1	383	174
500LBC	132	500	.40	24	610	83	2108	1	434	197
600LBC	158	600	.34	30	762	67	1702	1	613	278



BOTTOM VIEW

Optional Seismic Restraints

Tank Diameter	Bolt Circle	Dim. E	Dim. F	Hole Size
B	D	E	F	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 _____	Notes _____
Engineer _____	_____
Contractor _____	_____
P.O. No. _____	_____
Sales Rep. _____	_____
Model No. _____	_____





EXTROL®

Hydronic Expansion Tanks: LBC Series ASME

300 PSIG Working Pressure

Construction

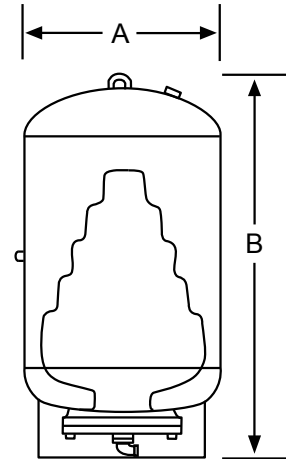
Shell	ASME Approved Steel
Bladder Design	Partial Acceptance; Replaceable
Bladder Thickness (models 35-100)	.087 In Minimum
Bladder Thickness (models 130-600)	.100 In Minimum
System Connection	NPTF Malleable Iron
Finish	Red Oxide Primer
Air Valve	Schrader Valve w/EPDM Seats
Factory Precharge	12 PSIG (.8 bar)

Performance

Maximum Operating Temperature	240°F (115°C)
Maximum Working Pressure	300 PSIG (20.7 bar)
Warranty	1-Year

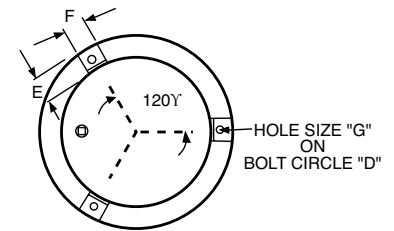
Application

- For use in closed, non-potable hydronic heating and chilled water systems.
- Replaceable, partial acceptance bladder design.
- Meets all ASME Code Section VIII, Division 1 standards.
- Available with optional sight glass and seismic restraints.
- Suitable in propylene glycol applications with mixtures up to 50%.



ASME Models

Model Number	Tank Volume		Max. Accept. Factor	A Tank Diameter		B Tank Height		System Conn. (NPTF)	Shipping Weight	
	Gal	Lit		In	mm	Inch	mm		Lbs	Kg
35LBC	10	35	1.00	10	254	37	940	1	100	45
50LBC	13	50	.85	12	305	37	940	1	114	52
85LBC	22	85	.50	16	406	35	889	1	138	63
100LBC	26	100	.42	16	406	39	991	1	150	68
130LBC	34	130	.79	20	508	35	889	1	202	92
165LBC	44	165	.61	20	508	40	1016	1	225	102
200LBC	53	200	.51	24	610	41	1041	1	293	133
300LBC	80	300	.34	24	610	56	1422	1	350	159
400LBC	106	400	.50	24	610	69	1753	1	411	186
500LBC	132	500	.40	24	610	83	2108	1	465	211
600LBC	158	600	.34	30	762	67	1702	1	657	298



BOTTOM VIEW

Optional Seismic Restraints

Tank Diameter	Bolt Circle	Dim. E	Dim. F	Hole Size
B	D	E	F	G
10	12 ⁵ / ₈	2	2	9 ¹ / ₁₆
12	14 ³ / ₄	2	2	9 ¹ / ₁₆
16	16 ³ / ₄	2	2	9 ¹ / ₁₆
20	16 ³ / ₄	2	2	9 ¹ / ₁₆
24	18	2	2	9 ¹ / ₁₆
30	24	4	4	7 ⁸ / ₁₆

All dimensions and weights are approximate.

Job Name _____	Notes _____
Engineer _____	_____
Contractor _____	_____
P.O. No. _____	_____
Sales Rep. _____	_____
Model No. _____	_____

