

EXTROL®

Hydronic Expansion Tanks





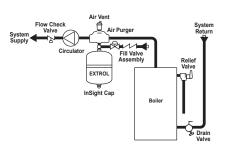
EXTROL

Extrol expansion tanks accept expanded fluid in closed-loop hydronic systems to control pressure buildup, improve comfort and help reduce energy costs. Nearly seven decades after inventing the first diaphragm expansion tank, Amtrol's lineup now includes specialty models engineered for modern, highefficiency systems. None of it would have been possible without Extrol − The One That Started It All™.

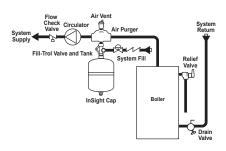


Typical Installations

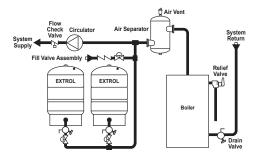
Extrol® EX Models



Fill-Trol® FT Models



Piping Multiple Extrol SX Models



Models and Specifications



Extrol® In-Line Models

- · 7-Year limited warranty.
- Suitable for expansion control in most residential closed-loop boiler systems.
- Patented InSight® indicator cap provides visual check of tank condition.
- In-line mounting adds convenience and space savings.

Extrol[®] Combo Packages

 Combination Packages include Air Purger and Automatic Float Vent.

	EX Series Specifications					
Model Number	Tank Volume (Gallons)	Max. Accept. Volume (Gallons)	Diameter (Inches)	Height (Inches)	System Connection (NPTM)	Shipping Weight (lbs.)
EX-15	2.0	1.0	8	13	1/2	5
EX-30	4.4	2.5	11	15	1/2	9
EX-60	6.7	2.7	11	20	1/2	13
EX-90	14.0	11.3	15	21	1/2	23

Maximum operating temperature: 240° F. Maximum working pressure: 100 PSIG. Factory precharge: 12 PSIG.

EX Combination Packages					
Model Number	EXTROL Model	Air Purger Model	Air Vent Model	Purger Connection (NPTF)	Shipping Weight (lbs.)
EX-1500-100	EX-15	443	700-C	1	10
EX-1500-125	EX-15	444	700-C	11/4	10
EX-3000-100	EX-30	443	700-C	1	14
EX-3000-125	EX-30	444	700-C	11/4	14

Maximum operating temperature: 240° F. Maximum working pressure: 100 PSIG. Factory precharge: 12 PSIG



Extrol Vertical Models

- For use in large residential and light commercial applications.
- Floor-standing with rugged steel base.
- Additional capacity to handle larger boiler systems.
- · 1-Year limited warranty.

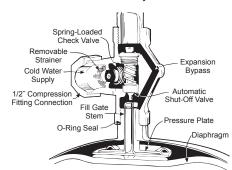
	SX Series Specifications					
Model Number	Tank Volume (Gallons)	Max. Accept. Volume (Gallons)	Diameter (Inches)	Height (Inches)	System Connection (NPTF)	Shipping Weight (lbs.)
SX-30V	14	11.3	15	24	1	25
SX-40V	20	11.3	15	32	1	33
SX-60V	32	11.3	15	48	1	43
SX-90V	44	34.0	22	36	11/4	69
SX-110V	62	34.0	22	47	11/4	92
SX-130V	81	34.0	22	56	11/4	103
SX-160V	86	46.0	26	47	11/4	123
Maximum or	neratina tem	erature: 240	° E Mavimu	m working n	reccure: 100	PSIC

Maximum operating temperature: 240° F. Maximum working pressure: 100 PSIG. Factory precharge: 12 PSIG.



Fill-Trol[®] System

- Eliminates the need for a separate, automatic fill valve.
- · Tank pressure controls system fill.
- Fully adjustable up to a maximum working pressure of 100 PSIG.
- · 7-Year limited warranty.



	Fill-Trol [®] Specifications					
Model Number	Tank Volume (Gallons)	Max. Accept. Volume (Gallons)	Diameter (Inches)	Height (Inches)	System Connection (NPTF)	Shipping Weight (lbs.)
FT-109	2.0	1.0	8	15	1/2	6
FT-110	4.4	2.5	11	17	1/2	10
FT-111	6.7	2.7	11	20	1/2	14
FT-112	14.0	11.3	15	23	1/2	24

Note: A standard Extrol tank is not interchangeable with a Fill-Trol tank. Cold water supply: 1/2 compression.

Maximum operating temperature: 240° F. Maximum working pressure: 100 PSIG. Factory precharge: 12 PSIG.

FT Combination Packages					
Model Number	System Connections (NPTF)	Fill-Trol Model	Air Purger Model	Air Vent Model	Shipping Weight (lbs.)
FT-109-100	1	109	443	700-C	10
FT-109-125	11/4	109	444	700-C	10
FT-110-100	1	110	443	700-C	14
FT-110-125	11/4	110	444	700-C	14
FT-111-125	11/4	111	444	700-C	18



Extrol[®] Sizing

Extrol EX Series Sizing					
Boiler		Type of I	Radiation		
Net BTU Output (Thousands)	Finned Baseboard	Convectors or Unit Heaters	Radiators Cast Iron	Baseboard Cast Iron	
25	EX-15	EX-15	EX-15	EX-15	
50	EX-15	EX-15	EX-30	EX-30	
75	EX-30	EX-30	EX-30	EX-60	
100	EX-30	EX-30	EX-60	EX-60	
125	EX-30	EX-60	EX-60	EX-90	
150	EX-30	EX-60	EX-90	EX-90	
175	EX-60	EX-60			
200	EX-60	EX-90			
250	EX-90	EX-90	See SX	Series	
300	EX-90				

Sizing based on: 12 PSIG fill; 30 PSIG relief Valve; 180° F average temperature. For sizing with fluids other than water, visit amtrol.com, download the AMTROL App or consult AMTROL Technical Support.

	Extrol	SX Serie	s Sizing			
Boiler		Type of Radiation and Piping System				
Net BTU Output (Thousands)	Finned Tube Baseboard or Radiant Panels	Convectors or Unit Heaters	Cast Iron Radiators One Pipe System	Cast Iron Radiators Series-Loop		
200	SX-30V	SX-30V	SX-30V	SX-30V		
250	SX-30V	SX-30V	SX-30V	SX-40V		
300	SX-30V	SX-30V	SX-40V	SX-40V		
350	SX-30V	SX-30V	SX-40V	SX-60V		
400	SX-30V	SX-40V	SX-60V	SX-60V		
450	SX-40V	SX-40V	SX-60V	SX-90V		
500	SX-40V	SX-40V	SX-60V	SX-90V		
550	SX-40V	SX-60V	SX-60V	SX-90V		
600	SX-40V	SX-60V	SX-90V	SX-90V		
650	SX-60V	SX-60V	SX-90V	SX-90V		
700	SX-60V	SX-60V	SX-90V	SX-90V		
750	SX-60V	SX-60V	SX-90V	SX-110V		
800	SX-60V	SX-90V	SX-90V	SX-110V		
850	SX-60V	SX-90V	SX-90V	SX-110V		
900	SX-60V	SX-90V	SX-110V	SX-110V		
950	SX-90V	SX-90V	SX-110V	SX-110V		
1,000	SX-90V	SX-90V	SX-110V	SX-110V		
1,100	SX-90V	SX-90V	SX-110V	SX-130V		
1,200	SX-90V	SX-90V	SX-110V	SX-130V		
1,300	SX-90V	SX-110V	SX-130V	SX-160V		
1,400	SX-110V	SX-130V	SX-160V	SX-160V		
1,500	SX-110V	SX-130V	SX-160V	(2)SX-110V		

Sizing based on: 12 PSIG fill; 30 PSIG relief Valve; 180° F average temperature. For sizing with fluids other than water, visit amtrol.com, download the AMTROL App or consult AMTROL Technical Support.



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Comb. Package & Fill-Trol Equivalents					
Extrol Model	EX Combination Package	Fill-Trol Model			
EX-15	EX-1500	FT-109			
EX-30	EX-3000	FT-110			
EX-60	_	FT-111			
EX-90	_	FT-112			

For Radiant and Solar models see Extrol Pro brochure MC10337.







