



FIREXTROL®

Fire Sprinkler System Expansion Tanks



For the Absorption of Expanded Fluids



FIREXTROL®

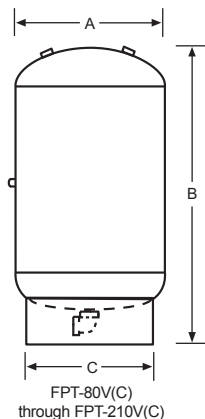
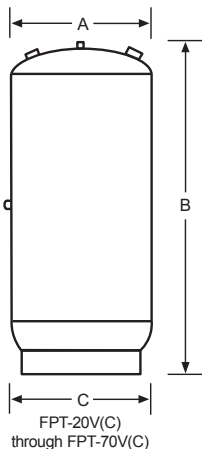
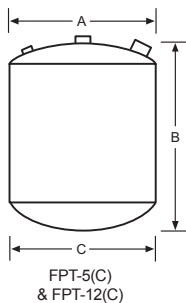
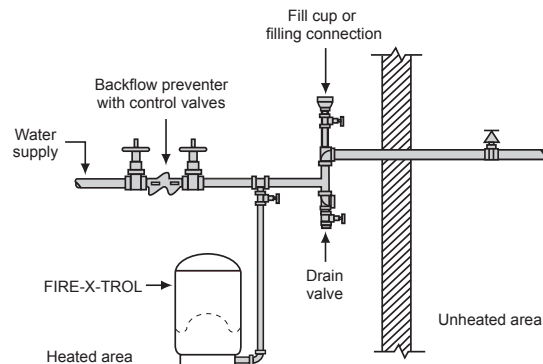
Fire-X-Trol® expansion tanks prevent damage to fire protection systems by accommodating the expanded volume of system fluids that result from temperature changes. This keeps the system pressure below the pressure limitations of the system components. Fire-X-Trol can be used with water, glycerin and propylene glycol systems.



Features

- For use with anti-freeze fire protection systems per NFPA 13, 2010 TIA 10-2 edition.
- Meets all ASME Section VIII, Division 1 Standards.
- UL® Listed; FM Approved.
- Steel shell with stainless steel system connection.
- Polypropylene liner to help prevent system corrosion.
- High performance elastomer compound diaphragm.
- Available in sizes from 2.1 to 90 gallons.
- Factory pre-charge: 25 psig.

Typical Installation



In-Line Models Specifications

Model Number	Tank Volume (Gallons)	Max. Accept. Volume (Gallons)	A Diameter (Inches)	B Height (Inches)	System Conn. NPTF (Inches)	Shipping Weight (lbs.)
FPT-5(C)	2.1	.90	10	10	3/4	21
FPT-12(C)	6.4	3.2	12	16	3/4	36

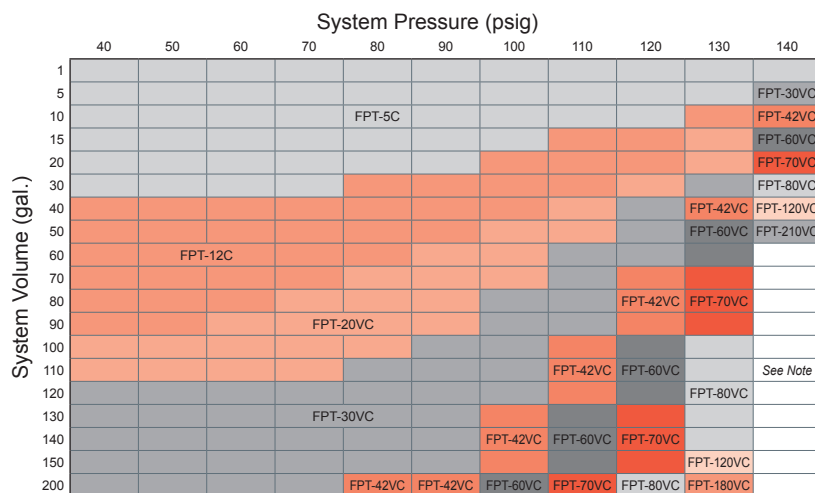
Stand Models Specifications

Model Number	Tank Volume (Gallons)	Max. Accept. Volume (Gallons)	A Diameter (Inches)	B Height (Inches)	C Diameter (Inches)	System Conn. NPTF (Inches)	Shipping Weight (lbs.)
FPT-20V(C)	8.0	3.2	12	20	11	3/4	52
FPT-30V(C)	14.0	9.0	16	19	13	3/4	97
FPT-42V(C)	17.5	11.0	16	24	13	3/4	116
FPT-60V(C)	25.0	11.0	16	33	13	3/4	154
FPT-70V(C)	34.0	11.0	16	42	13	3/4	197
FPT-80V(C)	53.0	35.0	24	36	16	1 1/4	251
FPT-120V(C)	66.0	35.0	24	44	16	1 1/4	281
FPT-180V(C)	77.0	35.0	24	49	16	1 1/4	353
FPT-210V(C)	90.0	35.0	24	56	16	1 1/4	382

Anti-Freeze Systems Sizing Charts

Glycerin Systems

Sizing Chart for 48% Glycerin System



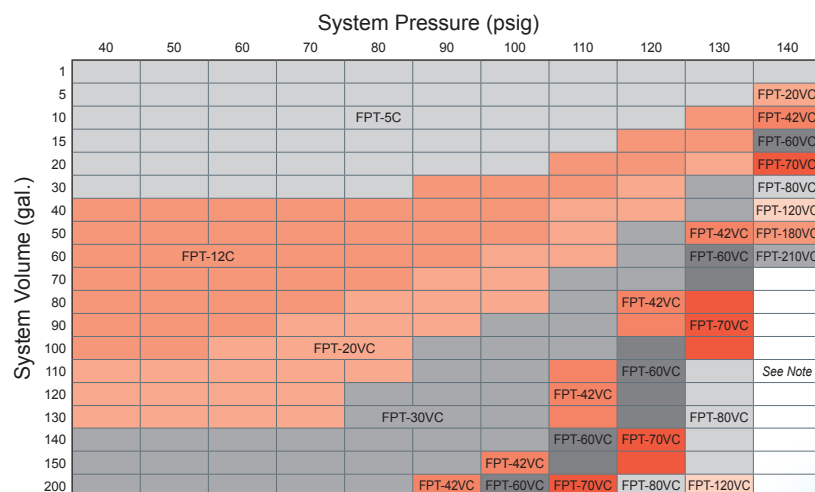
Glycerin Specifications*

Solution (by volume)	Specific Gravity at 77°F (25°C)	°F	°C
0%	1.000	32	0
5%	1.014	31	-0.5
10%	1.029	28	-2.2
15%	1.043	25	-3.9
20%	1.059	20	-6.7
25%	1.071	16	-8.9
30%	1.087	10	-12.0
35%	1.100	4	-15.5
40%	1.114	-2	-19.0
45%	1.130	-11	-24.0
50%	1.141	-19	-28.0

*Chemically Pure (CP) or United States Pharmacopoeia (USP) 96.5%.
Ref. NFPA13, 2010 TIA 10-2 Edition.

Propylene Glycol Systems

Sizing Chart for 38% Propylene Glycol System



Propylene Glycol Specifications

Solution (by volume)	Specific Gravity at 77°F (25°C)	°F	°C
0%	1.000	32	0
5%	1.004	26	-3
10%	1.008	25	-4
15%	1.012	22	-6
20%	1.016	19	-7
25%	1.020	15	-10
30%	1.024	11	-12
35%	1.028	2	-17
40%	1.032	-6	-21

Note: AMTROL recommends installing a pressure reducing valve before the backflow preventer where system pressure is 140 psig and system volume is above 60 gallons.

Assumptions: Maximum Working Pressure: 175 psig.
Change in Fluid Temperature: 100°F (37.7°C).
Factory Precharge: 25 PSI.





Tanks on Tour™

The Tanks on Tour™ mobile education center is traveling throughout the United States and Canada demonstrating the very real differences of Amtrol's Commercial tanks. Now with an industry leading 3-year warranty on our ASME tanks, Amtrol continues to provide you with the highest quality, most reliable, and best performing products on the market.



Tanks on Tour™ in front of the Amtrol Education Center.

Additional support materials available on amtrol.com.



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