



Diaphragm Type Thermal Expansion Tanks

A SERIES (Non-ASME) SUBMITTAL



TYPE: PRESSURIZED THERMAL EXPANSION TANKS FOR RESIDENTIAL WATER SYSTEMS *

MODELS: DXT-Series

Job _____	Rep. _____	
Unit Tag No. _____	Order No. _____	Date _____
Engineer _____	Submitted By _____	Date _____
Contractor _____	Approved By _____	Date _____

MATERIALS:

Shell: Carbon Steel
System Connection: Stainless Steel
Coating: Epoxy
Diaphragm: Heavy Duty Butyl Rubber
Liner Material: Food Grade Polypropylene
Factory Pre-set Pressure: 35 PSI

OPERATING LIMITATIONS:

Maximum Design Pressure: 150 PSI (1035 kPa)
Maximum Design Temperature: 200° F (93° C)

APPLICATION:

Tanks are fixed diaphragm type pre-charged thermal expansion tanks. They are designed to absorb the expansion forces and control the pressure in potable water systems. The water is separated using the heavy duty diaphragm preventing tank corrosion and waterlogging.

Model No.	Volume (liter)	Volume (gal.)	Height	Diameter	Sys. Conn.	Wt. (lbs.)
DXT-8	8	2	12-1/2"	8"	3/4"	5
DXT-18	18	4.5	15"	11"	3/4"	9
DXT-35	35	9.0	19-7/8"	15-1/2"	1"	19
DXT-50	50	14	20	15-1/2"	1"	27

S denotes stand models.

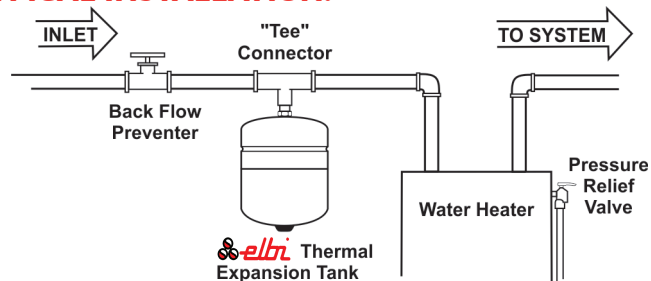


Certified to
NSF / ANSI-61



IAPMO Certified

TYPICAL INSTALLATION:



SCHEDULE:

Model Number	Tank Volume Gallons	Acceptance Volume Gallons	Tagging Information	Quantity
DXT-8	2	1.2		
DXT-18	4.5	3.2		
DXT-35	9.0	5.5		
DXT-50	13.5	7.7		

SPECIFICATIONS:

Furnish and install as shown on plans a _____ gallon _____" diameter x _____" (high) pre-charged steel thermal expansion tank with a fixed butyl diaphragm. The tank shall have a top NPT system connection and a .301" - 32 charging valve connection (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements.

Each tank shall be model number _____ or approved equal.

* ALSO SUITABLE FOR LIGHT COMMERCIAL APPLICATION



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TYPE: PRESSURIZED THERMAL EXPANSION TANKS FOR RESIDENTIAL WATER SYSTEMS *

MODELS: DXT-Series

Job _____	elbi Rep. _____	
Unit Tag No. _____	Order No. _____	Date _____
Engineer _____	Submitted By _____	Date _____
Contractor _____	Approved By _____	Date _____

MATERIALS:

Shell: Carbon Steel

System Connection: NSF 61G/372 lead
free galvanized elbow

Coating: Epoxy

Diaphragm: Heavy Duty Butyl Rubber

Liner Material: Food Grade Polypropylene

Factory Pre-set Pressure: 35 PSI

OPERATING LIMITATIONS:

Maximum Design Pressure: 125 PSI (1035 kPa)

Maximum Design Temperature: 200° F (93° C)

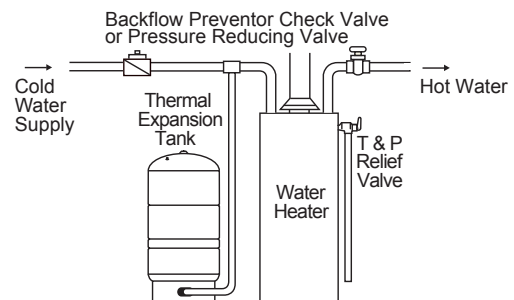
APPLICATION:

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Model No.	Volume (liter)	Volume (gal.)	Height (inch)	Diameter (inch)	Sys. Conn.	Wt. (lbs.)
DXT-80	80	21	27.00	15.50	1-1/4"	27
DXT-100	100	32	45.50	15.38	1"	40
DXT-150	150	36	32.58	20.00	1"	45
DXT-200	200	52	38.58	23.38	1-1/4"	77
DXT-300	300	86	59.00	23.38	1-1/4"	105
DXT-400	400	96	63.38	23.38	1-1/4"	111
DXT-450	450	119	61.25	26.00	1-1/4"	165
DXT-500	500	132	54.00	30.75	1-1/4"	205

S denotes stand models.

TYPICAL INSTALLATION:



SCHEDULE:

Model Number	Tank Volume Gallons	Acceptance Volume Gallons	Tagging Information	Quantity
DXT-80	20	16		
DXT-100	32	28		
DXT-150	44	32		
DXT-200	52	38		
DXT-300	86	46		
DXT-400	96	58		
DXT-450	119	105		
DXT-500	132	115		

SPECIFICATIONS:

Furnish and install as shown on plans a _____ gallon _____" diameter x _____" (high) pre-charged steel thermal expansion tank with a fixed butyl diaphragm. The tank shall have a top NPT system connection and a .301" - 32 charging valve connection (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements.

Each tank shall be elbi model number _____ or approved equal.

* ALSO SUITABLE FOR LIGHT COMMERCIAL APPLICATION

