

Application

Designed for installation on potable water lines between the backflow preventer or pressure reducing valve and the water heater to protect against water thermal expansion. When system pressure increases, water enters the tank which expands into the pre-charged air chamber, keeping system pressure below the relief valve setting.

Standards Compliance

- IAPMO® Listed
- Water Quality Association - Certified to NSF/ANSI 61 & 372*
*(0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

Materials

Outer shell Steel
 Coatings Epoxy finish (outer shell)
 Connection Stainless Steel
 Bladder (WXTP) Butyl Rubber (FDA approved)

Features

Sizes (liters): WXTP-50V, WXTP-75V, WXTP-120V, WXTP165V
 WXTP-320V

(V = vertical, free-standing)

Maximum working water pressure 150 PSI
 End connections Threaded NPT
 ANSI B1.20.1
 Pre-charge (adjustable) 40 PSI

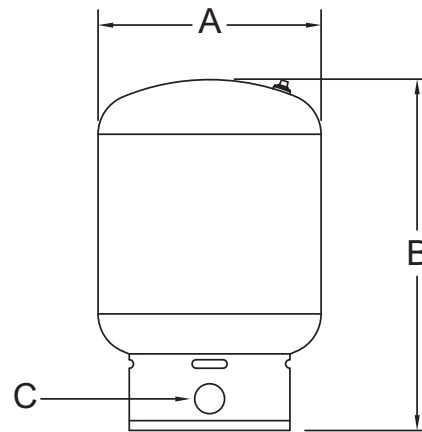
Note: Tanks are certified to NSF/ANSI Standard 61 domestic hot, but are suitable for temperatures up to 200°F.



NSF/ANSI 61
 NSF/ANSI 372

Accessories

- NR3XL - water pressure reducing valve
- P1000AXL - pressure relief valve
- TP1100A - temperature & pressure relief valve
- 375XL - reduced pressure backflow preventer



WXTP-50V to 320V

Dimensions & Weights (do not include pkg.)

TANK DIMENSIONS AND CAPACITIES											
MODEL NUMBER	MAXIMUM WORKING PRESSURE (psi)	TOTAL VOLUME (gallons)	MAXIMUM ACCEPTANCE VOLUME (gallons)	FACTORY PRE-CHARGE (psi)	DIMENSIONS					WEIGHT	
					DIAMETER A		HEIGHT B		SYSTEM CONNECTION C	lbs.	kg
					in.	mm	in.	mm			
WXTP-50V	150 PSIG	14	5.6	40	16	406	21 11/16	551	1" FNPT	32	14.5
WXTP-75V	150 PSIG	20	8.0	40	16	406	28 13/16	732	1" FNPT	39	17.7
WXTP-120V	150 PSIG	32	12.8	40	21	533	27 13/16	706	1" FNPT	60	27.2
WXTP-165V	150 PSIG	44	17.6	40	21	533	36 3/16	919	1 1/4" FNPT	72	32.7
WXTP-320V	150 PSIG	85	34.0	40	26	660	44 7/16	1129	1 1/4" FNPT	140	63.4

NOTE: RELIEF VALVE MUST BE SET AT 150 PSIG MAXIMUM

SIZING CHART

Supply Pressure (psig)	WATER HEATER CAPACITY (U.S. gal)										
	20	30	40	50	60	80	100	120	150	175	200
80											50V
90										50V	50V
100								50V	50V	50V	50V
110						50V	50V	50V	75V	75V	75V
120				50V	50V	75V	75V	120V	120V	120V	165V

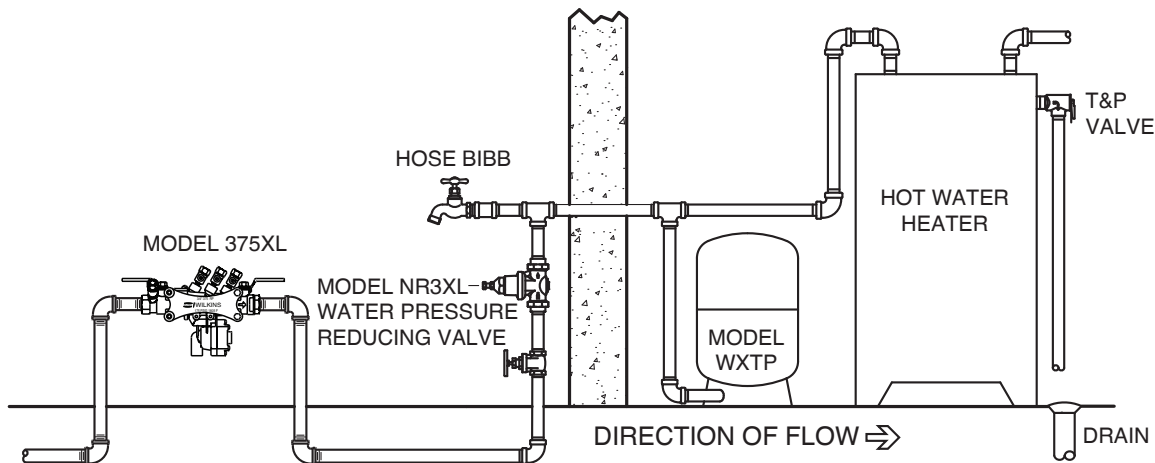
= See XT Spec Sheet

Supply Pressure (psig)	WATER HEATER CAPACITY (U.S. gal)										
	240	260	280	300	350	400	450	500	600	800	1000
40				50V	50V	75V	75V	75V	120V	120V	165V
50				50V	50V	75V	75V	75V	120V	120V	165V
55				50V	50V	75V	75V	75V	120V	120V	165V
60			50V	50V	50V	75V	75V	75V	120V	120V	165V
70	50V	50V	50V	50V	50V	75V	75V	75V	120V	120V	165V
80	50V	50V	50V	50V	75V	75V	75V	120V	120V	165V	165V
90	50V	50V	75V	75V	75V	120V	120V	120V	120V	165V	320V
100	75V	75V	75V	120V	120V	120V	120V	165V	165V	320V	320V
110	120V	120V	120V	120V	165V	165V	165V	320V	320V	320V	X
120	165V	165V	165V	320V	320V	320V	320V	320V	X	X	X

Based upon 100°F temperature rise (40°F to 140°F) WILKINS Rep) X= multiple tanks required (contact your ZURN

Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted on the cold water supply and at least 18" from the cold water inlet to the heater. Note: If incoming water pressure is above 40 psi, the pre-charge pressure of the expansion tank should be adjusted to equal the incoming water pressure, not to exceed 80 psi.



MODEL WXTP INSTALLATION "V" SERIES

Specifications

The Water Thermal Expansion Tank shall be IAPMO® Listed and certified to NSF/ANSI 61 & 372. The outer shell shall be high grade steel with exterior coating. The bladder shall be FDA approved butyl rubber and prevent water from contact with shell interior. The assembly shall incorporate a schrader valve for adjusting air pre-charge and a stainless steel system connection. The Water Thermal Expansion Tank shall be a ZURN WILKINS Model WXTP.