

# Residential Expansion Tanks

## TK300 Series Expansion Tanks- Heating



Honeywell Expansion Tanks are designed to absorb hot water expansion in closed heating systems. They are equipped with butyl diaphragms to separate the air from the system water (glycol). The tanks are a welded, not clamped design. Pre-pressurized at 12 psi, the tank keeps fluids circulating and maintains minimum system pressure. Honeywell tanks resist waterlogging, loss of pressure through relief valve spills, loss of BTUs and reduce circulator running time. Use the super efficient Honeywell PowerVent or air vents to remove air and micro-bubbles from the system for maximum performance.

- Butyl/EPDM diaphragm- 9 times better than natural rubber
- Deep-drawn steel tank
- Controls system pressure
- Air-tight cushion-factory pre-charged to 12 psig and 100% tested

**Maximum Operating Temperature:** 240 F (115 C)

**Maximum Operating Pressure:** 100 psi (689 kPa)

**Materials:** steel shell, heavy duty butyl diaphragm

**Connection Type:** Male NPT

**Comments:** Heating

Product Number	Connection Size (inch)	Diameter		Height		Volume		Maximum Acceptance Volume		Weight	
		inch	mm	inch	mm	gal	L	gal	L	lb	kg
TK300-15/U	1/2 in.	8 in.	203.2 mm	12 5/8 in.	321 mm	2.0 gal	7.6 L	1 gal	3.8 L	5 b	2.3 kg
TK300-30/U	1/2 in.	11 in.	279 mm	15 1/2 in.	394 mm	4.4 gal	16.7 L	2.5 gal	9.5 L	9 b	4.1 kg
TK300-60/U	1/2 in.	11 in.	279 mm	23 in.	584 mm	7.6 gal	28.8 L	2.5 gal	9.5 L	14 lb	6.4 kg
TK300-90/U	1/2 in.	15 3/8 in.	390.5 mm	21 in.	533 mm	14.0 gal	53.1 L	11.5 gal	40.1 L	23 lb	10.4 kg

## Expansion Tank Sizing based on BTU's

Boiler	Type of Radiation			
	Finned Tube Baseboard or Radiant Panel	Convectors or Unit Heaters	Radiators Cast Iron	Baseboard Cast Iron
Net Output in 1000's of BTU/Hr	Use Model	Use Model	Use Model	Use Model
25	TK300-15	TK300-15	TK300-15	TK300-15
50	TK300-15	TK300-15	TK300-30	TK300-30
75	TK300-30	TK300-30	TK300-30	TK300-60
100	TK300-30	TK300-30	TK300-60	TK300-60
125	TK300-30	TK300-60	TK300-60	TK300-90
150	TK300-30	TK300-60	TK300-90	TK300-90
175	TK300-60	TK300-60	XPS-030V	XPS-030V
200	TK300-60	TK300-60	XPS-030V	XPS-030V
250	TK300-60	TK300-90	XPS-030V	XPS-040V
300	TK300-90	XPS-030V	XPS-030V	XPS-040V
350	XPS-030V	XPS-030V	XPS-040V	XPS-060V
400	XPS-030V	XPS-040V	XPS-040V	XPS-060V