HYDRONIC BUFFER TANK

ZBT-7, ZBT-14, ZBT-21, ZBT-28

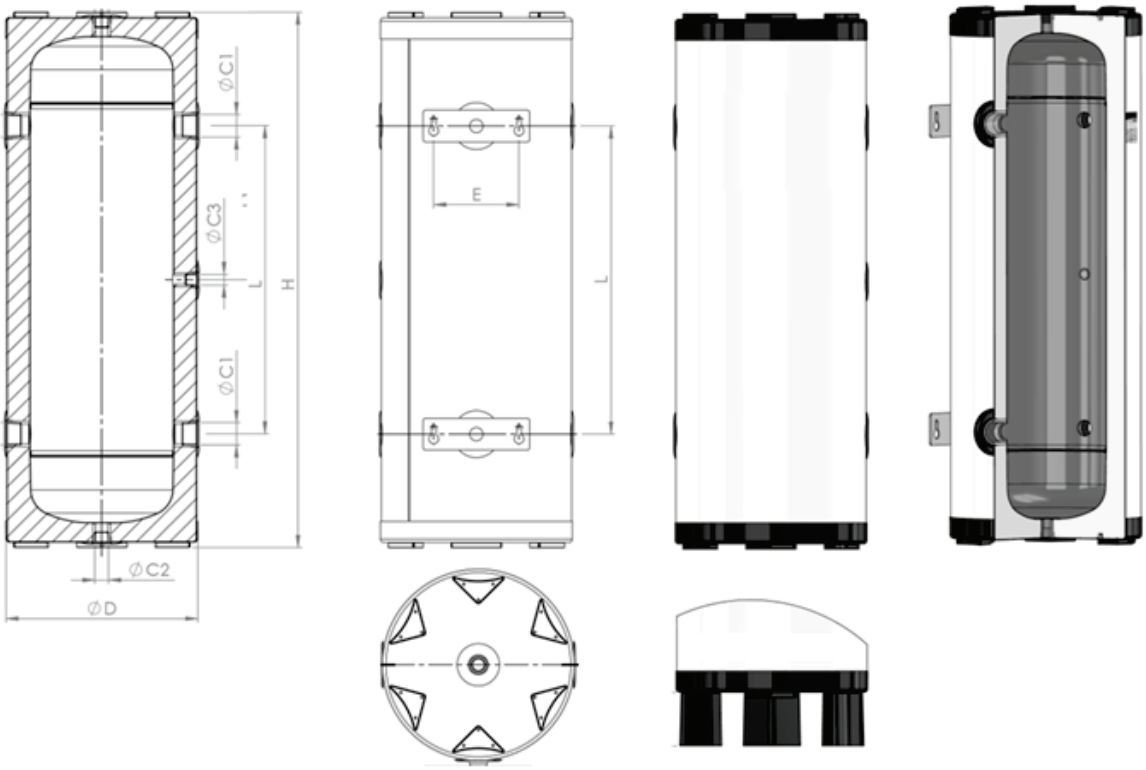
Installation and Maintenance Instructions

Read carefully this manual and all
accompanying labeling and warnings

Dimensions

Model	Volume (gal)	Diameter D (in)	Height H (in)	System Connections		Vent / Drain	Sensor Port	Bracket	Weight
				C1 (NPTF)	Center L (in)	C2 (NPTF)	C3 (NPTF)	E (in)	(lb)
ZBT-7	7	11.4	36.4	1"	18.9	3/4"	½"	6.3	25
ZBT-14	14	14.2	39.7	1-1/4"	22.8	3/4"	½"	6.3	35
ZBT-21	21	18.5	35.1	1-1/4"	14.4	1-1/4"	½"	6.3	39
ZBT-28	28	18.5	42.2	1-1/4"	21.5	1-1/4"	½"	6.3	47

Add 4 in. to installed height if leg kit (included) is used



Preparation for installation

Handling and Lifting: Manual handling of large or heavy equipment may present a risk of injury. A full risk assessment should be carried out detailing the appropriate equipment to be used and the method of handling.

Weight: Ensure that the wall or floor is structurally sound to support the filled weight of he buffer tank.

Freezing: Provision must be made to protect the buffer vessel against freezing conditions including when not in use and not fully drained.

Installation

Ensure that there is sufficient space around the buffer vessel to fit and access the pipe fittings; including side connections, top vent connection and bottom drain port.

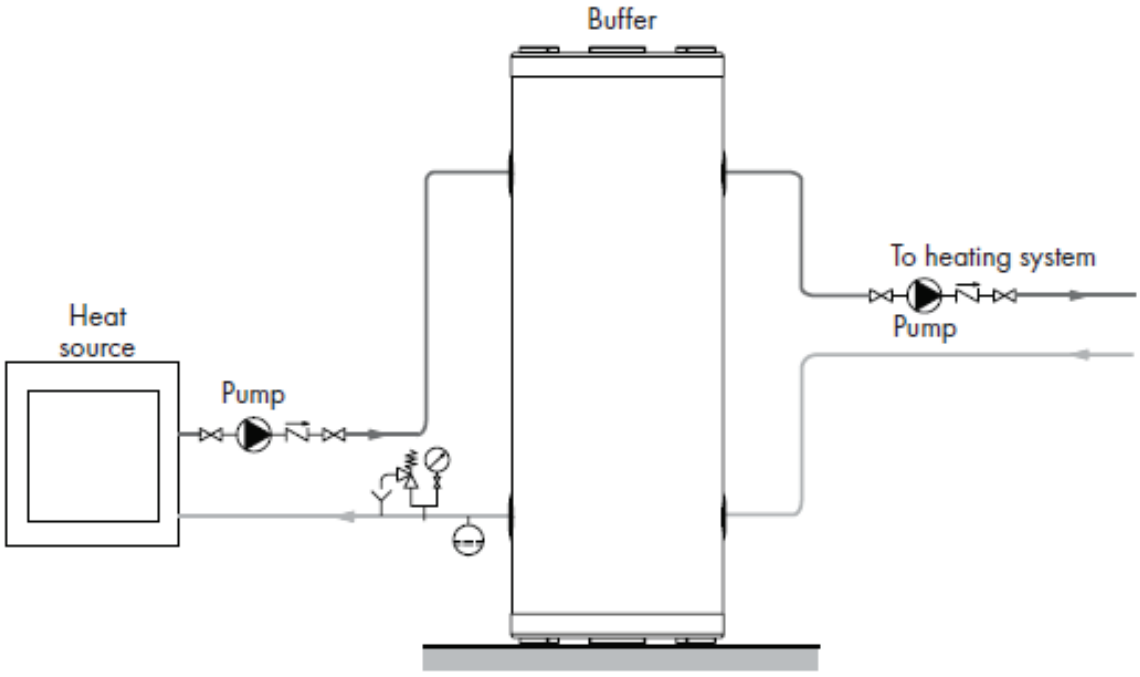
If wall mounting, ensure that the fasteners are of sufficient size and length to hold the tank securely, including the tank weight when full (for water: tank weight + 8.3 lbs/gallon)

Plumb in a 4-port, 3 port or 2-port configuration, as determined by application and heating equipment manufacturers' recommendations.

Vent air and check for leaks prior to system startup

The ZBT Buffer Tank and associated piping should be inspected annually, and more frequently as the system ages.

Typical Application



Notes: