

For Heating and Cooling Systems

Job Name _____ Contractor _____
 Job Location _____ Approval _____
 Engineer _____ Contractor's P.O. No. _____
 Approval _____ Representative _____

Series ET-RA

ASME

Pressurized Expansion Tanks for Heating and Cooling Systems

Models ET-RA 35 to ET-RA 2000

Watts Model ET-RA Tanks are ASME removable bladder type pre-charged expansion tanks. They are designed to absorb the expansion forces and control the pressure in heating and cooling systems. The water is contained in the heavy duty bladder preventing tank corrosion and water-logging problems. ET-RA expansion tanks reduce tank sizes up to 80%.



FEATURES

- ASME Section VIII Code Construction
- Removable Butyl Bladder
- Precharged to 12 psi (Field Adjustable)

CONSTRUCTION

Shell: Carbon steel

Bladder: Heavy duty butyl

Prime Painted Exterior

PRESSURE - TEMPERATURE

Maximum Design Pressure: 125 psig* (8.5 bars)

Maximum Design Temperature: 240°F (115°C)

Precharged to 12 psi (83 kPa)

*200 & 250 psig available.

SPECIFICATIONS

Furnish and install as shown on plans a Watts Model ET-RA ___ gallon ___" diameter x ___" (high) pre-charged steel expansion tank with a heavy duty butyl rubber bladder. The tank shall have NPT system connections and a .302" - 32 charging valve connection (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements. The tank must be constructed in accordance with Section VIII of the ASME Boiler and Pressure Vessel Code.

Schedule

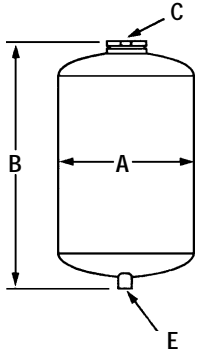
Model Number	Tank Volume Gallons	Tagging Information	Quantity
ET-RA 35	10		
ET-RA 50	13		
ET-RA 85	23		
ET-RA 130	35		
ET-RA 200	53		
ET-RA 300	79		
ET-RA 400	106		
ET-RA 500	132		
ET-RA 600	158		
ET-RA 800	211		
ET-RA-1000	264		
ET-RA-1200	317		
ET-RA-1400	370		
ET-RA-1600	422		
ET-RA-2000	528		

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

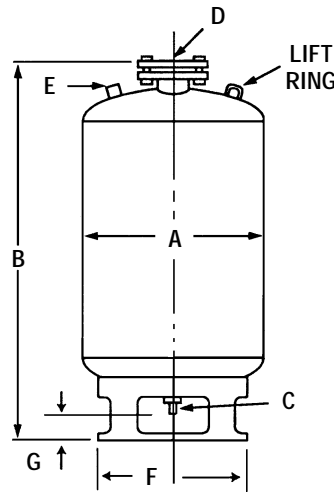


USA: 815 Chestnut Street, North Andover, MA 01845-6098
 Canada: 5435 North Service Road, Burlington, Ontario L7L 5H7

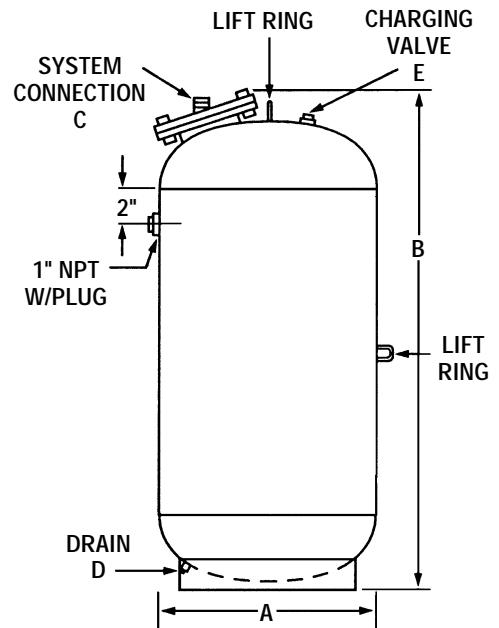
ASME EXPANSION TANKS - Pressurized



ET-RA 35 and ET-RA 50



ET-RA 85 through ET-RA 800



ET-RA 1000 through ET-RA 2000

DIMENSIONS - WEIGHT

Model Number	A (DN)		B		C		D		E	F		G		Weight*	
	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm	in.	mm	lbs.	kgs.
ET-RA 35	12	305	25	635	3/4	19	-	-	.302"	-	-	-	-	40	18
ET-RA 50	14	356	25	635	3/4	19	-	-	-32NC	-	-	-	-	50	23
ET-RA 85	16	400	37	940	1	25	1/2	13		12	305	5 1/2	140	90	41
ET-RA 130	20	508	37	940	1	25	1/2	13		16	406	5 1/2	140	125	57
ET-RA 200	24	610	43	1092	1 1/2	38	1/2	13	.302"	20	508	5 1/4	133	210	95
ET-RA 300	24	610	55	1397	1 1/2	38	3/4	19	-32NC	20	508	5 1/4	133	225	102
ET-RA 400	30	750	49	1245	1 1/2	38	3/4	19		24	610	5 1/4	133	300	136
ET-RA 500	30	750	57	1448	1 1/2	38	3/4	19		24	610	5 1/4	133	335	152
ET-RA 600	30	750	65	1651	1 1/2	38	3/4	19		24	610	5 1/4	133	360	163
ET-RA 800	36	900	63	1600	1 1/2	38	3/4	19		30	762	5 1/4	133	475	215
ET-RA 1000	36	900	74	1880	1 1/2	38	3/4	19		-	-	-	-	710	322
ET-RA 1200	36	900	86	2184	1 1/2	38	3/4	19		-	-	-	-	720	327
ET-RA 1400	36	900	99	2515	1 1/2	38	3/4	19	.302"	-	-	-	-	875	397
ET-RA 1600	48	1200	72	1829	1 1/2	38	3/4	19	-32NC	-	-	-	-	1100	499
ET-RA 2000	48	1200	85	2159	1 1/2	38	3/4	19		-	-	-	-	1280	581

Note: Tanks are factory pre-charged at 12 psi and field adjustable.

(*approximate)

Note: On models ET-RA 85 thru ET-RA 800 both top and bottom connections (C and D) access the bladder.



USA: 815 Chestnut St., No. Andover, MA 01845-6098: www.wattsreg.com
Canada: 5435 North Service Rd., Burlington, ONT. L7L 5H7: www.wattscda.com

