



SUBMITTAL

TYPE: AC ASME Pressurized Thermal Expansion Tanks for Potable Hot Water
MODELS: AC 5 thru AC 210

JOB _____ Unit Tag No. _____ Engineer _____ Contractor _____	Arrow Representative _____ _____ _____ Order No. _____ Submitted By _____ Approved By _____
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DESCRIPTION

Arrow Industries Type AC Tanks are ASME fixed bladder type pre-charged thermal expansion tanks for commercial and industrial potable hot water applications. They are designed to be installed between a backflow preventer and a hot water heater to accept the expanded volume of hot water keeping the system pressure below the relief valve setting. The water is contained in a butyl bladder.

CONSTRUCTION

Shell: Carbon Steel
 System Conn: Stainless Steel
 Bladder: Butyl Rubber

PERFORMANCE LIMITATIONS

Maximum Design Pressure: 150 psi
 Maximum Design Temperature: 240°F

MODEL NUMBER	TANK VOLUME GAL.	ACCEPT. VOLUME GAL.	TAGGING INFORMATION	QUANTITY
AC 5	3.5	2.1		
AC 12	5	3.1		
AC 20	8	3.1		
AC 30	15	10		
AC 42	22	12		
AC 60	25	12		
AC 80	35	12		
AC 100	45	24		
AC 125	60	24		
AC 160	70	46.7		
AC 180	80	52.5		
AC 210	90	52.5		

TYPICAL SPECIFICATIONS

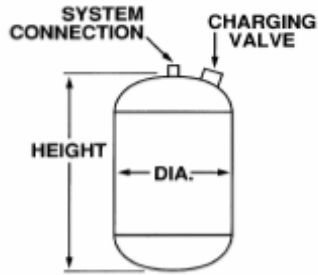
Furnish and install as shown on plans a _____ gallon _____" diameter X _____" high pre-charged steel thermal expansion tank with a fixed FDA approved butyl bladder. The tank shall have a top NPT stainless steel system connection and a .301" - 32 charging valve connection (standard tire valve) to facilitate the on-site charging of the tank to meet system requirements. The tank must be constructed in accordance with Section VIII of the ASME Boiler and Pressure Vessel Code and stamped 150 psi working pressure.

Each tank shall be Arrow Model number AC _____ or approved equal.

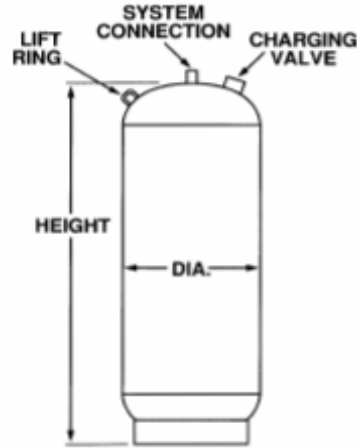


HEADQUARTERS: 465 N. Berry St. • Brea, CA 92821 • TEL: 714 674-0590

THERMAL EXPANSION TANKS - PRESSURIZED



Models AC 5 and AC 12



Models AC 20 thru AC 210

DIMENSIONS AND WEIGHTS

MODEL NUMBER	SYSTEM CONNECTION (in.)	MAWP (PSIG)	DIA. (in.)	HEIGHT (in.)	C (in.)	APPROX. WEIGHT (lbs)
AC 5	3/4	150	10	14	-	22
AC 12	3/4	150	12	14	-	28
AC 20	3/4	150	12	20	10	34
AC 30	3/4	150	16	23	12	64
AC 42	1	150	16	32	14	88
AC 60	1	150	16	34	14	93
AC 80	1	150	16	45	14	109
AC 100	1	150	20	38	18	146
AC 125	1	150	20	49	18	175
AC 160	1	150	24	46	22	259
AC 180	1	150	24	49	22	268
AC 210	1	150	24	52	22	283

Note: Tanks are factory pre-charged at 40 psi and field adjustable.

California code-sight glass available on request.

Lift Ring on Models AC 42 thru AC 210



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