

# AA tanks

## SUBMITTAL

**TYPE:** SSA ASME SURGE ARRESTOR TANKS

**MODELS:** SSA 35 THRU SSA 20000

Submittal Sheet No. SSA-201.2

Date: April, 2012

JOB _____	AA tanks Representative _____	
Unit Tag No. _____	Order No _____	Date _____
Engineer _____	Submitted By _____	Date _____
Contractor _____	Approved By _____	Date _____

### DESCRIPTION

AA tanks Type SSA Tanks are ASME replaceable bladder type pre-charged hydro-pneumatic tanks for commercial, industrial, municipal and well water systems, to effectively control water hammer shock, and pump start-up/shut-down water surge. The vessels are fabricated between 125 PSI and 500 PSI rating with a large water system connection designed to accept potentially harmful water surge pressures quickly, with minimal pressure drop.

### CONSTRUCTION

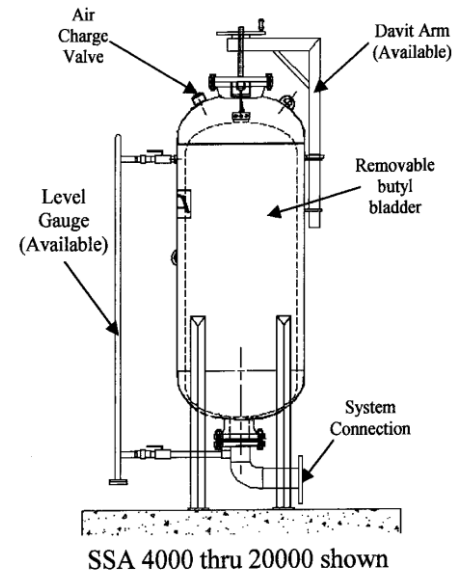
Shell: Carbon Steel  
 External Finish: Primer  
 System Connection: Epoxy Coated Carbon Steel  
 Support Stand: Angle Legs on Models SSA-85 and up  
 Level Gauge: Available upon request  
 Bladder: Heavy Duty Butyl  
 (NSF Certified / FDA Approved Materials)

### PERFORMANCE LIMITATIONS

Maximum Design Pressure: 125 to 500 PSIG  
 Maximum Design Temperature: 240°

### DIMENSIONS & WEIGHTS

Model Number	Tank Volume		Dimensions in Inches			Approx. Shipping Weight (lbs)	Davit Arm (option)
	GAL	L	DIA	OAH	SYS CONN.		
SSA-35	10	38	12"	26"	2.5"	63	No
SSA-50	13	49	14"				
SSA-85	23	87	16"	30 1/2"	3"	116	No
SSA-130	35	132	20"				
SSA-200	53	200	24"	47"	4"	250	No
SSA-300	79	300		58 1/2"			
SSA-400	106	400	30"	52 1/2"	6"	430	No
SSA-500	132	500		63"			
SSA-600	158	600		71"			
SSA-700	185	700		81 1/2"			
SSA-800	211	800	32"	84"	10"	760	No
SSA-1000	264	1000	36"	96"			
SSA-1200	317	1200		107"	11"	830	1118
SSA-1400	370	1400	119"				
SSA-1600	422	1600	92"				
SSA-2000	528	2000	105"				
SSA-2500	660	2500	48"	122"	12"	2352	No
SSA-3000L	792	3000		138"			
SSA-4000	1056	4000	60"	133"	14"	3736	Yes
SSA-5000	1320	5000		152"			
SSA-7500	1980	7500	72"	165"	16"	6583	Yes
SSA-10000	2640	10000		196"			
SSA-15000	3963	15000	84"	217"	18"	14734	Yes
SSA-20000	5284	20000		271"			



### NOTE:

• Tanks are factory pre-charged to 30 PSI and field adjustable.

• Air charging valve on all models: 0.302" -32NC

• SSA-35 and SSA-50 have NPT system connection.

### TYPICAL SPECIFICATION

Furnish and install, as shown on plans, a \_\_\_\_\_ gallon \_\_\_\_\_" diameter X \_\_\_\_\_" (high) pre-charged hydro-pneumatic expansion tank with heavy-duty butyl bladder. The tank shall have NPT, flanged or grooved system connections and a 0.302"-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 most recent addendum of Section VIII Division 1 of the ASME Boiler and Pressure Vessel Code. Each tank shall be AA tanks model number SSA-\_\_\_\_\_ or approved equal.