



**SUBMITTAL**

**TYPE:** SSA ASME PRE-CHARGED HORIZONTAL SURGE ARRESTOR TANKS **MODELS:** SSA 1000HE TO SSA 20000HE

Submittal Sheet No. SSAHE-2021A

Date: 02/2021

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

**DESCRIPTION**

AA tanks Type SSA-HE 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. Vessels have an epoxy lined interior suitable for potable water in the event of a bladder failure.

**CONSTRUCTION**

Shell: Carbon Steel  
 External Finish: Primer  
 (Special Finishes Upon Request)  
 Internal Coating: Epoxy Lined (NSF 61)  
 System Connection: Epoxy Coated Carbon Steel  
 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°

Model Number	Tank Volume (Gallons)	Tagging Information	Quantity
SSA 1000HE	264		
SSA 1200HE	317		
SSA 1400HE	370		
SSA 1600HE	422		
SSA 2000HE	528		
SSA 2500HE	660		
SSA 3000HE	792		
SSA 4000HE	1056		
SSA 5000HE	1320		
SSA 7500HE	1980		
SSA 10000HE	2640		
SSA 15000HE	3963		
SSA 20000HE	5284		

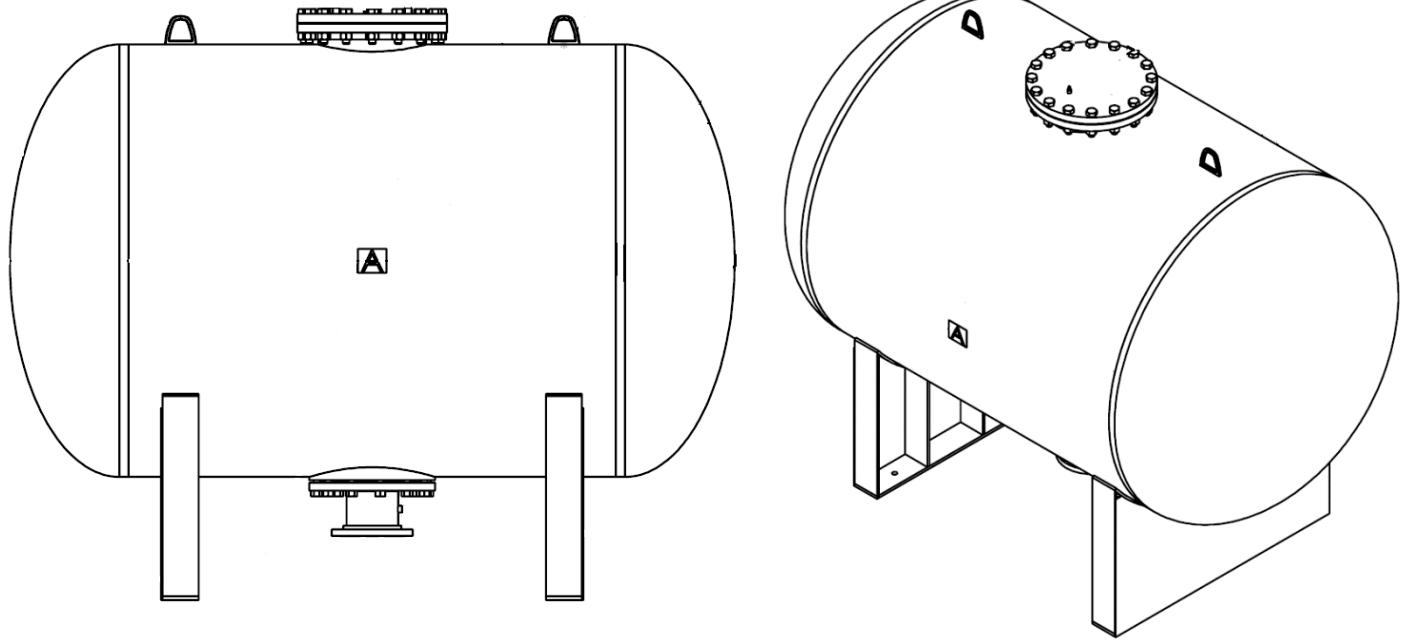
**TYPICAL SPECIFICATION**

Furnish and install, as shown on plans, a \_\_\_\_\_ gallon \_\_\_\_\_" diameter X \_\_\_\_\_" (long) pre-charged surge arrestor 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. Tank interior to include lining suitable for potable water storage. 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-\_\_\_\_\_HE or approved equal.

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## DIMENSIONS & WEIGHTS

Model Number	Tank Volume Gallons	Dimensions in Inches					Approx. Shipping Weight (lbs)
		Diameter	OAL	Saddle Clearance	Charging Valve	System Connection (Standard)	
SSA 1000HE	264	36	96	To Be Specified	0.302" -32NC	10	830
SSA 1200HE	317		107				1118
SSA 1400HE	370		119				1330
SSA 1600HE	422	48	92				1713
SSA 2000HE	528		105				2026
SSA 2500HE	660		122				2352
SSA 3000HE	792		138				2782
SSA 4000HE	1056	60	133				3736
SSA 5000HE	1320		152				4485
SSA 7500HE	1980	72	165				6583
SSA 10000HE	2640		196			8068	
SSA 15000HE	3963		217			12030	
SSA 20000HE	5284	84	271			16262	12

### NOTES:

- Tanks are factory pre-charged to 30 PSI and field adjustable.
- Magnetic Level Gauge available upon request
- Pressure Gauge available upon request
- Pressure relief valve available upon request
- Rupture disk available upon request
- Davit Arm available upon request
- Available with Water in Bladder or Air in Bladder configurations