



SINCE 1908
wessels
 company

SUBMITTAL

SS-SSA-SERIES

SEVERE SERVICE SHOCK AND SURGE TANKS

Models: SS-SSA-35 thru SS-SSA-800

Submittal Sheet No. H-1008A

Date: 4/16

Job Name _____	Submitted By _____	Date _____
Location _____	Approved By _____	Date _____
_____	Order No. _____	Date _____
Engineer _____	Notes _____	
Contractor _____		
Sales Rep. _____		

Description

Wessels type SS-SSA severe service tanks are ASME 304 stainless steel replaceable bladder pre-charged hydro-pneumatic tanks for commercial, industrial, municipal and well water systems. They are used to effectively control water hammer shock, and pump start-up and shut-down water surge. They are designed for systems that require internal and external protection more robust than traditional fabricated plain steel designs. The vessels are fabricated to 250 PSI with large water system connection designed to accept potentially harmful water surge pressures quickly, with minimal pressure drop. The water is contained in a butyl bladder.

Construction

Shell: 304 Stainless Steel*
 Bladder: Heavy Duty Butyl
 System Connection: 304 Stainless Steel*

Performance Limitations

Maximum Design Temperature: 230°F
 Maximum Design Pressure: 250 PSIG

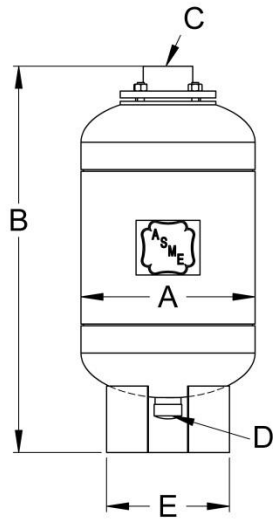
*316L Stainless Steel Available

Model Number	Part Number	Tank Volume (Gallons)	Tagging Information	Quantity
SS-SSA-35	26101005	10		
SS-SSA-50	26101017	13		
SS-SSA-85	26101029	23		
SS-SSA-130	26101041	35		
SS-SSA-200	26101053	53		
SS-SSA-300	26101065	79		
SS-SSA-400	26101077	106		
SS-SSA-500	26101089	132		
SS-SSA-600	26101101	158		
SS-SSA-700	26101113	185		
SS-SSA-800L	26101125	211		

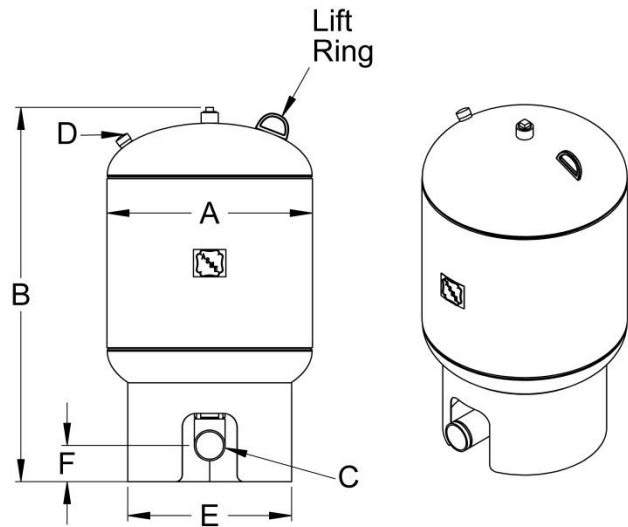
Typical Specification

Furnish and install, as shown on plans, a _____ gallon _____" diameter X _____" (high) pre-charged 304 stainless steel hydro-pneumatic expansion tank with heavy-duty butyl bladder. The tank shall have NPT, Grooved, or Flanged 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 Wessels model number SS-SSA-_____ or approved equal.



SS-SSA-35 thru SS-SSA-85



SS-SSA-130 thru SS-SSA-800

Dimensions & Weights

Model Number	Dimensions in Inches						Approx. Ship Wt. (lbs)		
	A	B	C	D	Charging Valve	System Connection			
					E	F			
SS-SSA-35	12	26	2 1/2	9	0.302" - 32NC	2 1/2 NPT	81		
SS-SSA-50	14			10			90		
SS-SSA-85	16			12			103		
SS-SSA-130	20	30 1/2	3	16		3 G	124		
SS-SSA-200	24			47			20	4 G	217
SS-SSA-300				58 1/2					262
SS-SSA-400	30	52 1/2	4	24		6 G	353		
SS-SSA-500		63					399		
SS-SSA-600		71					439		
SS-SSA-700		81 1/2					492		
SS-SSA-800L		32			84		6	26	678

Notes

- Tanks are factory pre-charged at 30 psi and field adjustable
- Available with mounting clips.
- G-Grooved Pipe Connection/ F-Flanged Connection (Available)