

Technical Data Sheet

Stainless Steel Storage Tanks

Introduction

AERCO's line of duplex stainless steel storage tanks provides unparalleled reliability for all domestic hot water applications. Duplex stainless steels have a two-phase microstructure consisting of grains of ferritic and austenitic stainless steel making them twice as strong as regular austenitic (300 series) or ferritic stainless (400 series) steels. As part of manufacturing process, the duplex stainless steel tanks form a layer of chromium oxide on its surface making it highly resistive against Aqueous, Crevice, Pitting and chloride induced Stress corrosion.

For applications requiring storage, these tanks are available from 175-750 gallons. The all stainless steel construction requires no tank linings or anodes, saving time and money on reduced maintenance. Fiberglass insulation and a coated steel jacket provide energy savings by retaining heat in the system. The high quality construction allows for storage temperatures up to 200°F. Expert assembly and construction, along with a unique pickling and passivation process, allows for an industry-leading 15 year tank warranty.

Features

- ASME stamped and National Board Registered for 150 psi MAWP
- No anode required
- No tank lining
- Impervious to aqueous, crevice, pitting and chloride induced stress corrosion
- Available with or without diffuser option
- Nonferrous removable fittings at all tank connections
- Lifting lugs
- Removable top head < 250 gal, manway tank access ≥ 250 gal
- Steel base skid
- Fiberglass insulation and coated steel jacket panels
- Tie down anchor points on tank
- Bottom drain valve
- Thermowell sized for single 1/4" operating control probe
- Ships with 150 PSI relief valve (factory-installed)

Technical Specification

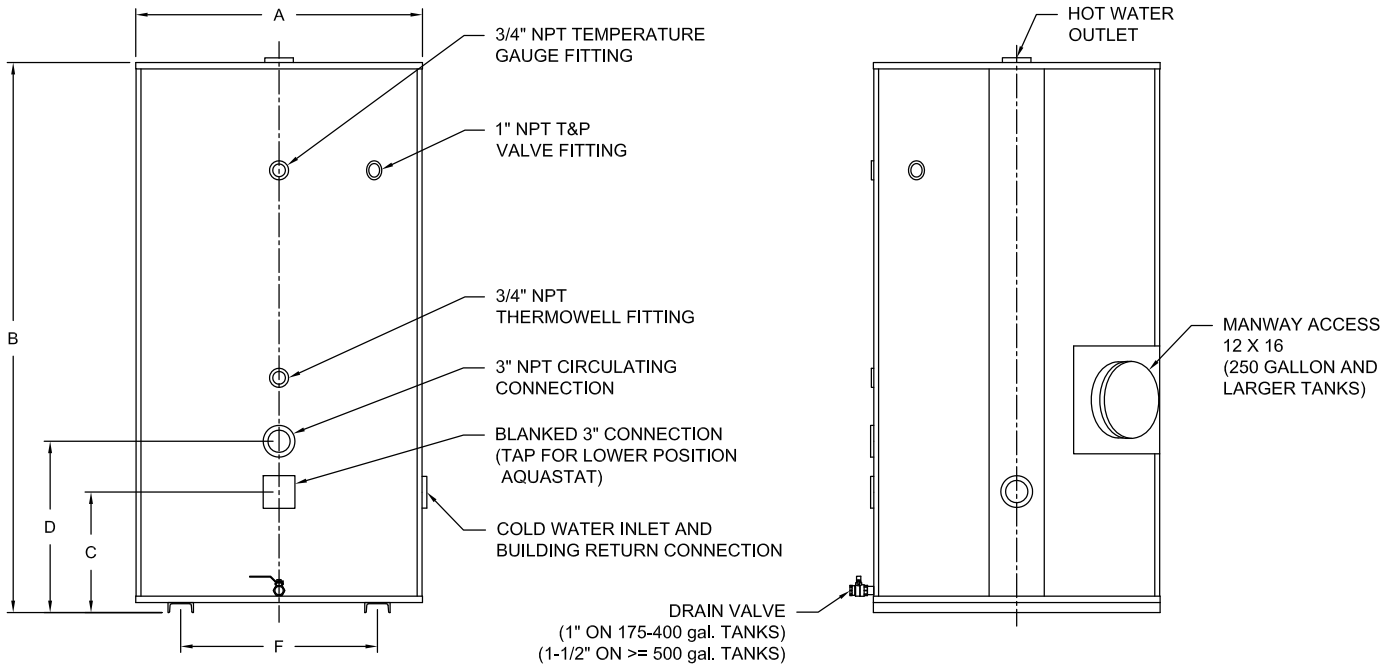
Maximum operating pressure	150 PSI (861 kPa)
Maximum water temperature	200°F (93°C)
Listing/Compliance	ASME HLW, ASHRAE 90.1 compliant
Warranty	15 year full warranty



Accessories

- Tank thermostat with 3/4" well
- Installation kit (valves, unions, strainer)

Dimensions



Tank Size [gal]	Dimensions in inches					Water Inlet and Outlet Connections NPT	Approximate Shipping Weight
	A	B	C	D	F		
175	34x37	71	19	27	21	2	855
215	34x37	78	19	27	21	2	895
250	46	63	19	27	31	2	945
300	46	75	19	27	31	2	1010
400	46	87	19	27	31	2	1070
500	56	78	24	32	31	3	1415
750	67	83	24	32	40	3	1770

Contact your local AERCO representative for additional configurations, pricing, and lead times



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