

HYDRO-PNEUMATIC TANKS

For Domestic Water Systems



UP TO 125 PSIG / 250 °F
STORAGE TO 15,000 GALLONS

RECO
USA

The Water Heater and Pressure Vessel Experts

HP2[®] SERIES HYDRO-PNEUMATIC TANKS

HP2 hydro-pneumatic tanks are designed to store both water and compressed air. Without an internal bladder to separate the two, the compressed air is in direct contact with the stored water and acts to either absorb or exert pressure on the water.

HP2 tanks are used in well water systems, fire protection systems, or as buffer tanks in large pumping systems. They improve system performance in three ways:

- **Pressurization** - The **HP2** maintains a minimum positive pressure throughout the system. This provides a rapid response to demands for water without having to continuously run the system pumps.
- **Pulsation Dampening** - The **HP2** dampens pressure fluctuations and any hydraulic shock (water hammer) caused by pump cycling or rapid valve closures. This helps extend the life of those components.
- **Safety** - The **HP2** also serves as a back-up safety device, supplying water for critical needs during unplanned power outages.

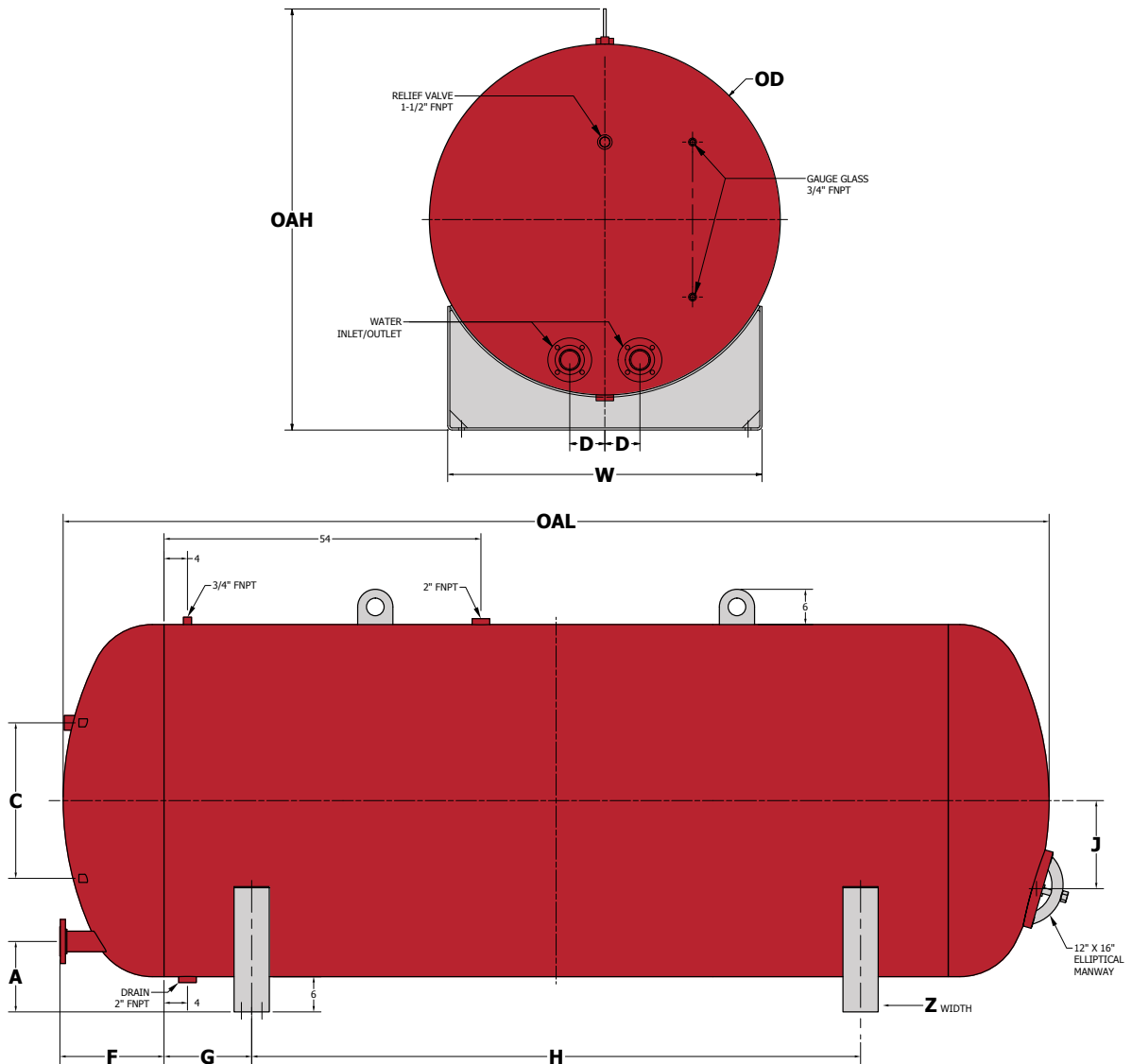
All **HP2** tanks include (2) connections for a sight glass and separate relief valve, air inlet, vent, and drain connections at no additional charge. A 12" x 16" manway is also included as standard.

The **HP2** is designed for horizontal use, above or below grade, with storage capacities from 1,000 to 10,000 gallons. Their interiors are epoxy lined as standard to prevent corrosion, and they work best with an air cushion of about ¼ of the tank volume.

KEY FEATURES

- Materials ASTM SA-516-70 carbon steel tanks as standard.
- Specifications Designed to ASME B & PV Code, Section VIII, Division I.
- Ratings 125 PSIG max design pressure, 150 °F max design temperature.
- Connections All connections over 2½" are ANSI 150 lb. RFSO flanges.
- Interiors Sandblasted per SSPC-SP 10 with an NSF 61 compliant epoxy lining.
- Exteriors Sandblasted per SSPC-SP 6, with a red oxide primer or (3) coat paint system applied to a 10 to 15 mils final dry film thickness.
- Orientation Horizontally mounted with (2) support saddles (loose or attached).

STANDARD DIMENSIONS



Capacity (Gals.)	Water Inlet / Outlet	A	C	D & Z	F	G & J	H	W	OD	OAH	OAL	Weight (Lbs.)
1000	2" FNPT	10"	21 1/2"	4"	n/a	10 1/2"	121 3/4"	37 1/2"	42"	54"	168"	1,960
2000	3" RFSO	12"	26 1/2"	6"	18"	15"	103 1/2"	53 3/4"	60"	72"	168"	3,720
3000	3" RFSO	12"	29"	6"	18"	16 1/2"	133 1/2"	58 3/4"	66"	78"	204"	4,720
5000	4" RFSO	14 1/2"	31 1/2"	6"	21"	18"	211 1/2"	63 3/4"	72"	84"	288"	8,010
7500	6" RFSO	18"	48"	8"	25"	24"	139 1/2"	85"	96"	108"	240"	9,140
10000	6" RFSO	18"	48"	8"	25"	24"	229 1/2"	85"	96"	108"	330"	12,180
12,500	6" RFSO	18"	48"	8"	25"	24"	283 1/2"	85"	96"	108"	384"	14,030
15,000	6" RFSO	18"	48"	8"	25"	24"	379 1/2"	85"	96"	108"	490"	17,270

We Are RECO USA: The Water Heater and Pressure Vessel Experts



For over a century the RECO USA name has meant quality. Today we are recognized as one of the country's leading suppliers of water heaters and pressure vessels for the commercial, institutional, industrial, pulp and paper, oil and gas, power generation and chemical industries.

In fact, it is hard to find an industry, market, or application today that doesn't rely on the quality, safety, and convenience that RECO USA brings to their most critical services and processes.

To learn more, contact us or any one of our North American sales representatives.

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