



400-bbl Cold-Weather, Double-Wall Tank

PCI Manufacturing Solutions' cold-weather tanks are built for endurance. With double walls on five sides, these round-bottom tanks feature single-unit secondary containment. This tank allows you to breathe easy knowing that any breach of the inner tank would be automatically contained, as mandated by most DEQ requirements. Fabricated with special, cold-weather steel, this unit performs, even in extreme sub-Arctic temperatures.

Cold-Weather Tank Specifications:

- ✓ 400-bbl capacity
- ✓ Corrosion-resistant design
- ✓ Custom-fit, plug-and-go wiring harness
- ✓ A516 Grade 70 normalized ¼" smooth inner walls, with 3/16" corrugated steel outer walls
- ✓ Removable 6-piece top panels with stiffening ribs and 10" W x 6" H fork pockets for lifting points built from A36 steel
- ✓ One 4" gooseneck vent and one Betts 06-98 pressure vent
- ✓ Half-length removable catwalk located on the passenger side of the tank with front and rear access ladders
- ✓ Rear ladder to fixed platform at top of tank
- ✓ Double-wall, round-bottom floor with external bracing
- ✓ 4' weir wall at tank mid-point with a 22" manway in the lower quarter of the wall for cleanout and access, all fabricated from A36 steel
- ✓ 3" front fill line (flanged) on upper passenger side of tank
- ✓ 3" low front drain
- ✓ Inlet and outlet for 2" steam lines
- ✓ 2" steam lines running 19" vertical and 6" horizontal off the floor throughout the tank
- ✓ 2" threaded inlet with cap flared to a vortex breaker and then to an 8" x 20' gas-buster with mild steel pipe supports mounted on low-temp bearing plates
- ✓ 6" penetration with 6" gooseneck vent at front and rear fixed platforms at top of tank
- ✓ 3" gauge/thief hatch on upper passenger side of tank, plus two 6" gooseneck vents with screens at interstitial space on one end
- ✓ Standard rear bumper
- ✓ 4" low-point drain with remote handle
- ✓ 11R-22.5" radial tires
- ✓ 25,000-lb axle
- ✓ 100% solids, high-performance Carboline Phenoline® 310 interior liner, minimum 15-mil dry film thickness
- ✓ High-solids, high-gloss Strathmore DTM exterior paint, 6-mil dry film thickness, customer color choice

All cold-weather tanks are built under the following ASME Guidelines:

- ASME Section IX API Code 650
- PCI will provide the WPSs/PQRs along with testing and inspection procedures with shop drawings before production.
- PCI can generate all required documentation for each finished tank, per BPXA SPC-AK-58-303 Section 7.2.3.
- These tanks will be manufactured according to BP specs BPXA SPC-AK-58-303.

Tank Materials:

- Pipe: SA333 SCH 80
- 2" threaded inlet for the gas buster is XXS (SCH 160)
- Square & rectangular tubing: A500 GR B
- Angles, channels, bars: A36
- Flanges: A350 LF2
- Couplings: A350 LF2, 3000#
- Elbows & reducers: SA420 WPL6, SCH 80
- Fasteners: 18-8 stainless steel
- Flange bolts: A320 GR L7 and A194 GR7
- Manways: A36
- Side walkway: A36 plate, A500 Sch 40 pipe, A525 grip strut

