



**HEAVY WATER TRANSPORT - 5200 GALLON
MODEL: SNON52001ISS**

Design

Unit is a straight round 5,200 Gallon, one compartment Non-Code trailer; unit does not meet DOT Code Requirements

Tank

5,200 Gallon (+/- 3%), one compartment Non-Code transport constructed of 304L stainless steel. Transport is equipped with the following:

- Deep dish torispherical surge heads
- One 20" ASME manhole
- W-5 weld finish and polished inside
- Insulation and jacketing
- Rear sump for complete drainage
- One SS outlet pipe with ANSI flange at bottom of rear head
- Design for 3.66 inches of mercury (-1.8 PSIG)
- Spring suspension with roll stability
- Bumper to meet DOT NHTSA rules with dock bumper
- 12- Volt LED lights, turn signals and markers
- SS Deckplate to form weather tight seal around manhole
- SS ladder mounted to curbside below deckplate to 2:00 walkway
- Aluminum 12" 2:00 walkway diamond type full length of deckplate
- Pump platform at rear between frame rails
- Phonographic finishes are to be left on flanges
- Calibrated gauge chart in 1/4" increments
- Passivation upon completion

Outlet/Piping

All pipes and elbows to be SS with interior #4 finish. Pipe and elbows to be bright annealed and passivated. Rubber gaskets on flanged connections. One SS outlet pipe with One 150 LB 1/2" ANSI flange at bottom of rear head. One 1 1/2" flange located at same level as outlet flange offset rear of rear head to curbside. Faces of rearward facing flanges on rear head to be perpendicular to rear mounting deck. Leave phonographic finish on all flanges. Blind flanges on all flanged outlets. Customer to supply and install all valves

Vents

One 1 ½" flange at top of trailer for customer supplied and installed vent. Flange to be 150 lb SS flat face, weld neck or slip-on type. Slip on type to be fillet welded inside and outside of the flange-to pipe mating surfaces. Phonographic finish left on flange face. Design for 3.66 inches of mercury (-1.8 PSIG)

Chassis

3-Leaf spring suspension tandem with roll stability anti-lock brake system. Eight steel wheels and 14 ply tires with front and rear aluminum fenders. Standard fifth wheel plate with 2" adjustments and 2-speed landing gear with 10" X 10" pivoting sand shoes. Four Cargo tie downs (2 at rear of landing gear frame and 2 at rear of trailer)

Electrical

12-Volt plug in system with 2-hole rear brake/turn lights in stainless steel boxes mounted at rear. All side marker lights tied into the turn signals

Accessories

Stainless steel deckplate located at center of tank surrounding manhole and flange for vent. Deckplate to form weather tight seal with the manhole and the jacket. A non-slip surface shall be applied.

Stainless ladder located at curbside below deckplate with safety side handrails each side. 12" wide aluminum walkway at 2:00 position full length of deckplate with SS outside handrail full length of walkway with ladder access opening ¾" flange at top and bottom of rear head with blind flange for customer supplied and installed liquid level indicator

SS pump platform at rear between frame rail reinforced underneath and above to support static load of 400 lbs and a concentrated load of 300" – 6" X 6" area at any location on platform

Hydro Test/Passivation

Hydro Test is performed on each tank after completion and certified for non-leaks with Certificate of Compliance issued. Passivation upon completion of tank

Finish

Tank shall be 304L 12 gauge #4 finish stainless steel shell with 304L 10 gauge #4 finish heads. Material to be free of embedded ferrous metal particles resulting from rolling and or forming. All metal product contact surfaces shall be either 316 or 304 SS. All minimum radius for all edges is 1/8". Phonographic finishes are to be left on flanges. All vessel welding to be done by ASME certified welders. W-5 ground flush and polished weld finish inside, W-O as welded outside

Effective Date: March 23, 2010

Manual

Owners manual to be issued with each tank