

LIQUID STORAGE TANKS

Vertical, Portable and Stationary



HyWay

A tradition of Excellence

Hy-Way leads the world as the choice for thermal fluid process and liquid storage equipment. In fact, Hy-Way has been leading the industry since 1947. Serving both the industrial and asphalt markets, Hy-Way liquid storage tanks prove themselves dependable, highly efficient and durable in hundreds of industry application worldwide. Hy-Way maintains a reputation for high-efficiency and reliability in all applications from asphalt to petrochemicals and from food processing to textiles.

Today, Hy-Way continues this tradition with innovative technology, an experienced staff and applications to meet the needs of an expanding market.

Hy-Way designs the most energy efficient heating system to address today’s complex liquid storage requirements. All Hy-Way heated coil tanks feature the highest quality construction for durability under the most rugged conditions. No matter what the application. Hy-Way will construct a tank to best suit your needs in horizontal, vertical, stationary or portable configurations in capacities from 1,000 to 50,000 gallons.

Every Hy-Way coil tank is constructed with intuitive design features that are normally considered optional or not available on competitive units. A large heat exchange coil surface is featured for fast heat recovery and heat rise for even the most viscous liquids. A serpentine coil design allows adequate horizontal expansion and contraction under full operating conditions. Four inches of high quality fiberglass insulation maintain optimum operating temperatures while minimizing conductive heat loss. An extra inch of insulation is added to stationary and horizontal tanks 20,000 gallons and larger. Our exclusive “hard hat” cap design prevents damage to the tank surface and allows easy access to the coil through a twenty-inch, quick-opening manhole with energy vent. To prevent premature burnout of the coil and heat system , a standard safety suction system prevents the liquid level from dropping below the heating coil while in operation, yet allows complete emptying of the tank when necessary. The unique internal vent and overflow system is also a standard Hy-Way feature to prevent condensing vapors from collecting in the insulation during truck unloading.

In addition to the many standard features, every Hy-Way coil tank allows for optional equipment upgrades to be easily added to maximize performance. Whether polymers, latex, emulsions, or asphalt. Hy-Way has the experience and know-how to design and package a complete heating system to meet your specific requirements.

STATIONARY

Stationary tanks feature a high-efficiency, close-wound, serpentine coil for increased oil circulation and better heat transfer. 1/4” butt-welded steel plate forms the rugged shell construction of the tank with 4’ of fiberglass insulation on the shell to reduce conductive heat loss. A series of integral saddles mounted on heavy twin 25 pound beams form the support frame which is easily set to grade or adaptable to concrete foundations. To ensure all-weather protection and durability, the Hy-Way coil tank is beautifully finished in a durable scratch resistant, 18 gauge powder coated aluminum skin.



STATIONARY TANK SPECIFICATIONS					
MODEL	CAPACITY	LENGTH	WIDTH	HEIGHT	WEIGHT
CTS-10	10,000	21'0"	10'10"	11'4"	13,000 LBS.
CTS-15	15,000	29'6"	10'10"	11'4"	18,000 LBS.
CTS-20	20,000	38'0"	10'10"	11'4"	22,000 LBS.
CTS-25	25,000	46'6"	10'10"	11'4"	27,000 LBS.
CTS-30	30,000	55'0"	10'10"	11'4"	31,000 LBS.
CTS-35	35,000	58'0"	11'4"	11'10"	36,000 LBS.

- FEATURES
- Easy access quick opening hatch
 - Internal vent/overflow pipe
 - 25 lb. channel frame
 - 1/4 shell thickness
 - 2” serpentine coil
 - 4” insulation with powder coated aluminum



VERTICAL

Hy-Way vertical storage tanks are a space saving alternative to conventional tanks and provide a higher efficiency alternative for polymer blend and emulsified liquids. Each tank comes equipped with a **2.5” finned serpentine coil** for maximum heat release into the product. In some special applications, an optional electric low-watt density coil can be added for extra heat transfer.

Constructed of heavy 1/4” plate, every Hy-Way vertical tank features a standard OSHA approved caged ladder and 20” manhole access at the top of the tank. Diamond plate top deck construction surrounded by a safety railing with kick plate provide a sturdy access platform. A 24” secondary access is located at the base of the tank and a cable level indicator is mounted externally along with an electronic temperature controller.

All tank controls and piping are completely accessible at grade and include 3” or 4” inlet and outlet flanges and safety level and cut-off switches.

VERTICAL TANK SPECIFICATIONS					
MODEL	CAPACITY	WIDTH	HEIGHT	HEATING SURFACE SQ FT.	WEIGHT
HTS-10	10,000	12'0"	14'9"	1,100	17,000 LBS.
HTS-15	15,000	12'0"	21'9"	1,100	23,000 LBS.
HTS-20	20,000	12'0"	30'6"	1,100	29,000 LBS.
HTS-25	25,000	12'0"	37'6"	1,100	35,000 LBS.
HTS-30	30,000	12'0"	44'3"	1,100	41,000 LBS.
HTS-35	35,000	13'0"	42'0"	1,100	49,000 LBS.
HTS-40	40,000	13'0"	48'6"	1,100	55,000 LBS.
HTS-45	45,000	14'0"	46'0"	1,100	59,000 LBS.



PORTABLE

Hy-Way engineers the ultimate combination of heavy, rugged design and ease of transport for portable storage tank applications requiring high mobility.

A highly efficient, 2” close-wound serpentine coil provides increased oil circulation and heat transfer for the most viscous materials. For rugged transport, every Hy-Way portable tank is constructed on twin 12” beams with tandem or triple axle configurations. The optional portability package includes a pre-piped and mounted unloading and metering pump system, unloading pipe carrier, swing down support jacks, fuel tank and a goose-neck mounted thermal oil heater.

For maximum heat retention, a thick blanket of fiberglass insulation and 18 gauge powder coated aluminum cover the entire shell and heads.



PORTABLE TANK SPECIFICATIONS					
MODEL	CAPACITY	LENGTH	WIDTH	HEIGHT	WEIGHT*
CTT-10	10,000	18'4"	10'10"	13'4"	19,000 LBS.
CTT-15	15,000	26'7"	10'10"	13'4"	24,000 LBS.
CTT-20	20,000	34'10"	10'10"	13'4"	28,000 LBS.
CTT-25	25,000	48'1"	10'10"	13'4"	33,000 LBS.
CTT-30	30,000	55'4"	10'10"	13'4"	37,000 LBS.
CTT-35	35,000	60'2"	10'10"	13'4"	41,000 LBS.

*(empty tank, no equipped mounted)



FEATURES

- Mounted pipe carrier
- Pre-piped mounted metering and unloading pumps
- Quick disconnect cabling
- Dual axle portability
- Air ride suspension
- Wheels / air brakes / brake lights / mud flaps
- Fifth wheel pin and glad hand connections

FEATURES & ADVANTAGES

Calibration Tank (optional)

- 1,000 gallon calibration tank provides fast density verification
- Triple load cells provide optimum accuracy
- Programmable controller maintains liquid at temperature
- Electric or hot oil heated
- 4" insulation with powder coated aluminum skin



Pressure Transducer (optional)

- Highly accurate level measurement
- Get rid of level board
- Digital display at tank farm and control house
- Any vertical or horizontal tank



Unloading Pump (optional)

- Low speed ensures long dependable life
- Virtual leak-free packing
- Flanged for easy service
- Heavy-duty pump and motor
- Variable-speed belt drive
- Thermal jacketed housing
- Mounted on tank skid and pre-piped to tank



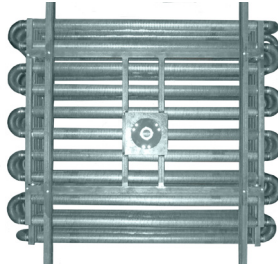
Access Hatch

- 20" quick-opening hatch allows easy inspection
- Pop-off vent prevents pressure build-up
- Exclusive "hard hat" walkway provides access to top of tank
- External access ladder



Serpentine Finned Coil

- Large 2.5" serpentine finned coil provides generous heat transfer surface
- Multi-pass schedule 40 seamless finned pipe
- Hydrostatically tested



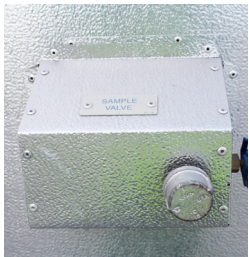
Temperature Control Panel (optional)

- Electronic temperature controller with flow control valve
- Liquid end switches prevent spillover during filling



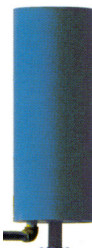
Fittings

- Fully insulated 1" mounted sampling valve
- 3" inlet and outlet flanges
- 3" NPT drain connections
- Extra fitting for mounting optional monitoring devices



Condenser (optional)

- Shell and tube condensing and available for light end vapor recovery



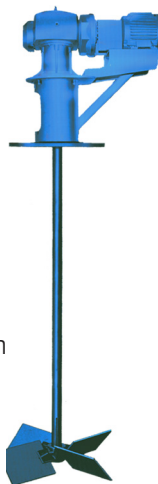
Metering Pump Skid (optional)

- Mounted and pre-piped asphalt metering skid
- VFD variable speed drive system
- Easy calibration for multi density grades
- 25 lb. beam: heavy-duty construction



Agitator (optional)

- High torque, low speed mixer for viscous polymers
- Direct gear drive system for low maintenance
- Low level safety interlock switch
- Low temperature safety interlock switch





Applications

Adhesives
Asphalt
Carpet & Linoleum
Chemical Processing
Concrete
Crude Oil
Drying Chambers
Dyes
Edible Oils
Emulsions
Food Processing
Fiberboard
Insecticides
Laundry
Lumber/Paneling
Oil & Gas
Pulp & Paper
Petrochemicals
Pharmaceuticals
Phosphate
Plastics
Refineries
Rubber
Steam Generation
Tank Farms
Tanneries
Textiles
Utilities
Vaporizers

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