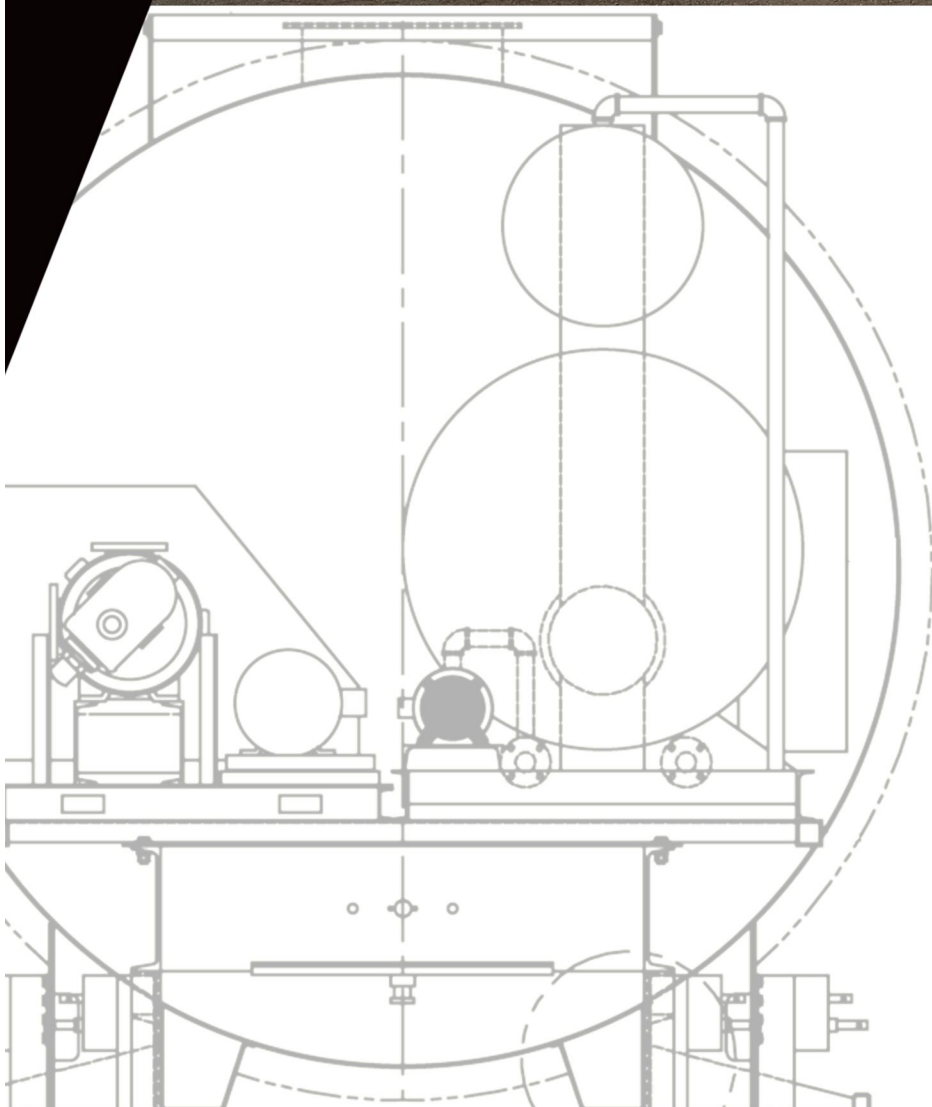




ASPHALT CEMENT STORAGE

A/C TANK



www.aescomadsen.com

A/C TANK

Asphalt Cement Storage

With a variety of sizes ranging from 10,000 US Gallons (38,000 Liters) to 30,000 US Gallons (114,000 Liters), Aesco Madsen's horizontal asphalt storage tanks are designed to provide optimal heat efficiency, quiet operation, and years of trouble free usage.

This advanced A/C storage technology can be customized with a selection of metering systems, fully jacketed piping, reversible pumps, and much more to fit your specific requirements.

For additional information on how Aesco Madsen asphalt cement storage tanks can improve your plant operations, reach out to a knowledgeable sales representatives today.



www.aescomadsen.com | 253.939.4150 | sales@aescomadsen.com

Model Specifications

Portable Units

Model	Capacity	Total Weight	Shipping Length
PAT-10K	10,000 gal.	20,000 lbs.	35' 6"
PAT-15K	15,000 gal.	25,000 lbs.	45' 0"
PAT-20K	20,000 gal.	30,000 lbs	52' 2"
PAT-25K	25,000 gal.	40,000 lbs.	62' 2"
PAT-30K	30,000 gal.	45,000 lbs.	72' 2"

*all portable A/C tanks have a tank diameter of 10' 0", a shipping width of 10' 7", and a shipping height of 13' 8".



PAT-20K

Model Specifications

Stationary Units

Model	Capacity	Total Weight	Shipping Length
SAT-10K	10,000 gal.	18,000 lbs.	35' 6"
SAT-15K	15,000 gal.	23,000 lbs.	45' 0"
SAT-20K	20,000 gal.	26,000 lbs	52' 2"
SAT-25K	25,000 gal.	34,000 lbs.	62' 2"
SAT-30K	30,000 gal.	39,000 lbs.	72' 2"

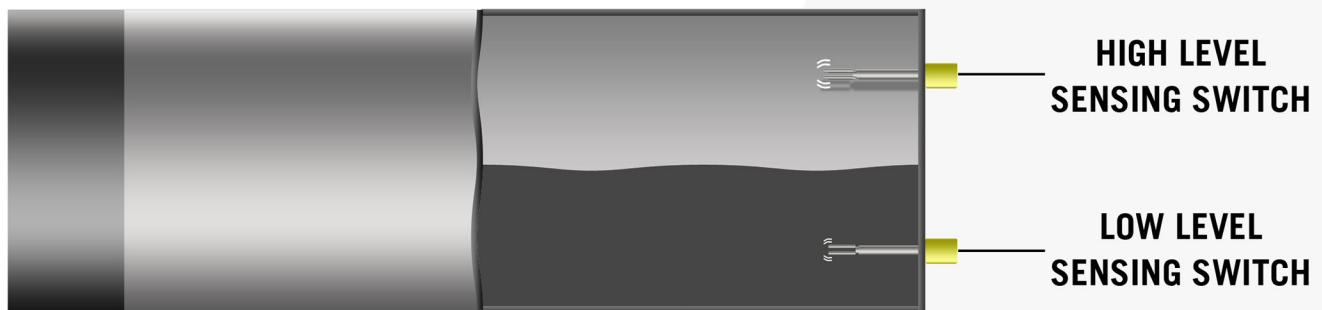
*all stationary A/C tanks have a tank diameter of 10' 0", a shipping width of 10' 5", and a shipping height of 11' 0".



Safety Through Innovation

Hi/Low Limit Sensors

Every asphalt cement storage tank needs a reliable system that ensures that the level of asphalt cement inside the tank stays within a safe range. The importance of safeguarding an asphalt storage tank from overflowing out onto the surrounding plant site is fairly obvious. What may be less obvious are the potentially severe consequences that can arise if the level of asphalt cement falls below the tanks temperature regulating thermocouples, causing the small yet significant amount of combustible asphalt cement left in the tank to overheat. To avoid such scenarios Aesco Madsen has adopted state of the art reliability for their A/C tanks in the form of the **Vegaswing 63 Vibrating Level Switch**.



With the new technology utilized in these High and Low liquid level sensors, detecting the presence of asphalt cement is as simple as their vibrating tuning forks ceasing to vibrate as the fluid envelops them. To prevent tank spillage during the filling process, the high level sensor is linked to the tank's unloading pump, shutting down the pump once the high level sensor detects asphalt. Overheating of the asphalt and the tank heating elements is avoided by linking the tanks heater to the low level switch, which disengages the heater once asphalt is no longer detected by the low level sensor.

By moving away from the more traditional mechanical systems you also eliminate their associated risks of misalignment, mechanical failures, and the build up of liquid asphalt on crucial components. Additionally, potential misalignments caused during shipment from jobsite to jobsite are also avoided with this innovative new system. If ensuring a safe plant site while reducing maintenance costs is important to you, Aesco Madsen's state of the art Hi/Low Limit Switches are a necessity for your liquid asphalt storage system.



Heating Systems

Direct Fire

This heating system involves a burner flame pointed into a hollow cavity in the A/C tank. The burner flame provides direct heat to the A/C tank and subsequently heats the A/C inside of the tank. The tracing oil for this system runs throughout a series of pipes lining the inside of the A/C tank. This allows the tracing oil to be heated from the A/C within the tank.

Indirect Fire

This system for heating the A/C also uses a burner flame, but instead of heating the A/C tank directly like the direct fire system, the burner heats a container of tracing oil. The heated tracing oil is then circulated through a piping system running throughout the inside of the A/C tank. The heat from this tracing oil is transferred to the A/C within the tank, thus heating our asphalt cement indirectly.

Electric

In this system, heating coils which run on electricity (much like the heating coils on an electric stove top) line the bottom of your A/C tank and are tasked with bringing the A/C up to temperature.

Indirect Fire Heating System



Available Upgrades

- All-in one, self-contained, and insulated mass flow meter
- Skid mounted landing gear pads
- Unloading pump with forward/reverse, start/stop station and overfill protection
- Cross piping for the connection of additional asphalt storage tanks
- Tank mixers for maintained distribution of asphalt cement within the tank
- Fume condenser to remove excess fumes from the storage tank

The mass flow meter provides measurements for flow rate, temperature, specific gravity, and the details of the A/C pump's output all in one self contained component. Additionally, the mass flow meter automatically inputs this information into the blending computer.

Without the mass flow meter; the temperature, specific gravity, and A/C pump output details will need to be determined and then input into the blending computer either manually or by way of other equipment.



Mass Flow Meter