



if it flows,
we go with it

1.800.665.4499
barrplastics.com

Heated & Insulated Sewage Tanks

1000 Imp. Gallon Sewage Holding Tank

BARR PLASTICS Inc. introduces its new line of HIHT Low Profile, Heated & Insulated Sewage & Water Holding Tanks for Above Ground Use in 2 standard capacities - true 1000 and 2000 Imp. Gallon sizes (Custom sizes available).

Tanks feature reinforced steel edges all around - hidden by an attractive steel clad and painted, exterior surface and a heavy duty internal, structurally ribbed, fully enclosed, one-piece corrosion resistant plastic tank with vertical support columns making them very durable and resistant to impact on all sides and damage from top loading - beware of lower cost or cheaper products that have no internal structure or minimal strength.

Specially made and designed for cold weather climates with internal, reliable and trouble-free heating system and insulation available in a variety of thicknesses and R values. These tanks can be fitted with level alarms, pumps and pump control devices and a wide variety of other features and accessories to fit your specific application. Sized for efficient shipping - stackable 4 high.

Call BARR Plastics' Custom Fabrication Division today at 1-800-665-4499 to speak to one of our sales and technical staff about your specific requirements. See next page for standard product specifications.



2100 IG Tank



1000 IG Tank



Heated & Insulated Sewage Tanks

Model HIHT1000S - Standard Specifications 1000 IG Sewage Holding Tank - Cont'd

Finished Dimensions: 95" wide (2415mm) x 166" long (4220mm) x 31" high (790mm)

Approx. Weight: Empty: 900 lbs. (410 kgs) Full: 9900 lbs. (4500 kgs)

Tank Capacity & Construction: Imperial Gallons - 1000 Litres: 4550
Construction: A key and quality feature of BARR Heated, Insulated Tank Systems compared to others is that the Inner Tank is a fully enclosed (minimum ½" thick), corrugated HD structural plastic vessel (with internal support columns) made from FDA and NSF approved, virgin HDPE (polyethylene) resin suitable for both potable water and wastewater. Tanks meet CSA and NSF requirements for sewage and potable water holding applications.

Inlet: Standard is a 4" (100mm) IPS Pipe Size (ie: ABS & Sched.40 pipe size) PVC pipe stub inlet extending out from end wall of tank approx. 6". Connect to Inlet with a PVC Sch.40 coupler, adapter or a rubber flex coupler. Inlet can be placed in a variety of locations as an option - ie: Top surface or any side wall and can be a 3" or 4" FPT fitting.

Pump-Out Connection: 3" (75mm) top surface FPT fitting w/ 3" drop tube to bottom of tank. Can be fitted w/ a 3" male camlock connection and also be plumbed out the end wall as an option if there is low height clearance above the tank.

Vent: Venting is normally done through the 4" inlet, but an additional vent fitting can be installed as an option.

Lid Opening: Standard Lid is 1 ea. 16" dia. screw lid with no vent that installs into a gasketed lid ring that is sealed to the top surface of the tank and also seals to the lid when tight to limit sewage gas leakage. 20" and 24" lid openings available as an option. Can have 2 or more lids if required.



Heated & Insulated Sewage Tanks

Model HIHT1000S - Standard Specifications 1000 IG Sewage Holding Tank - Cont'd.

Lifting & Handling: The underside of the tank is fitted securely with a light duty steel skid that can be used to slide tank along level surfaces for short distances on slippery surfaces. Tanks can be moved with forklift carefully or by crane lift using the 4 lifting eyes located on the sidewalls of the tank. Tanks must be fully emptied before moving or lifting. Tanks are stackable 4 high when empty for efficient shipping, but should have dunnage placed between tanks at both ends and center with layers of cardboard or other protective material placed under the dunnage to protect exterior cladding and trim.

Placement: Tank must be placed on a solid level surface when in use and may be placed outdoor or indoor and have been proven and tested in -35 C.

Heating, Insulation, Exterior Cladding & Internal Structure: **HEATING:** 100' of 8 watt/foot, 120V, self-regulating heating cable is placed and secured in a continuous loop on the underside of the inner polyethylene Tank and is fitted with a ground fault protector and standard 120 V plug.

INSULATION: Is provided by the 2" thick structural, insulated panels that surround the inner Tank. EPS foam board insulation is sandwiched between and bonded to 2 layers of 26 gauge pre-painted metal cladding. EPS foam board contains no CFC's or HCFC's, is recyclable, moisture resistant and will not lose it's insulation R value over years. Using EPS as the core insulation, contributes to the "green" building ideal. Use of EPS insulation products can provide USGBC LEED-NC v2.2 credits, including Sustainable Sites, Energy & Atmosphere and Materials & Resources. R Value of exterior cladding and insulation as installed is approx. 12. Greater R-values available with thicker Insulated Panels.



Heated & Insulated Sewage Tanks

Model HIHT1000S - Standard Specifications 1000 IG Sewage Holding Tank - Cont'd

Heating, Insulation, Exterior Cladding & Internal Structure:

EXTERIOR CLADDING & INTERNAL STRUCTURE: 26 gauge prepainted metal cladding with slight and attractive corrugations with 90 degree pre-painted metal flashing securely fastened to all edges. All seams and joints are neatly finished and fully sealed with a polyurethane sealant to keep out moisture and cold air flow to improve insulating capacity and heat retention.

Standard exterior colour is off-white and a variety of trim colours are available to match customer's colour scheme or brand. In addition to the structure provided by the HD poly tank with internal support columns and corrugated walls, the steel base skid and the structural insulated exterior panels, steel angle iron framing is installed under the edge trim all around the top & bottom edges and 4 vertical corners and welded to the base skid to provide additional structural strength and durability against impact or improper side-pulls that destroy other similar looking tank products. BARR Tanks are made to last in rugged environments.

High Level Alarm:

An exterior, quality SJE Rhombus TAEZ-01X alarm box is installed on end of tank near an access lid, connected to an internal sensor float switch that is set to activate alarm (light and audible) when tank is approx. 75% full to allow time for continued use before pump-out truck arrives.

Options:

A variety of optional features and accessories can be installed or provided such as pump systems, control panels, additional below ground wastewater treatment tanks and septic system components, thicker insulation, additional heating cable, colours, fittings, valves & connectors, skid types, tank capacities to 2100 Imperial Gallons (9500 L), etc.