

Bitumen Drum Decanter

The Bitumen Drum Decanter is designed to efficiently melt bitumen packed in standard drums and transfer it into storage tanks for further use in asphalt plants. It ensures a continuous and reliable supply of liquid bitumen without wastage or quality loss. The system uses indirect heating to melt the bitumen safely, reducing fuel consumption and preventing overheating.

With its easy drum loading and automatic empty drum removal, it minimizes manual handling and enhances operator safety. The enclosed structure controls fumes and maintains an eco-friendly working environment. Built with robust steel construction and efficient insulation, the unit guarantees durability and energy savings.

Available in different capacities, the Bitumen Drum Decanter is an ideal solution for asphalt batch mix plants, drum mix plants, and road construction projects where consistent and high-quality bitumen supply is essential.



Key Features

- High Efficiency: Quick melting capacity with a uniform heating system.
- Energy-Saving: Optimised thermal oil/indirect heating reduces fuel consumption.
- User-Friendly Design: Easy loading of bitumen drums and automatic unloading of empty drums.
- Durable Build: Heavy-duty structure for long operational life.
- Safety First: Enclosed system minimizes exposure to fumes and heat.
- Capacity Options: Available in multiple capacities to suit project needs.



Applications

- Asphalt Plants – Ensures smooth melting and transfer of bitumen for continuous plant operation.
- Road Construction Projects – Ideal for highways, city roads, airports, and expressways where large quantities of bitumen are required.
- Hot Mix Plants – Supports steady production by supplying melted bitumen directly to storage tanks.
- Remote Project Sites – Suitable for locations where bulk bitumen supply is not possible, and drums are the only option.

Technical Specifications

MODEL	Unit	BITH-4	BITH-6	BITH-8	BITH-10	BITH-12
Heat Load	Kcal/hr	400,000	600,000	800,000	1,000,000	1,200,000
Heat Transfer Area	m²	45	62	78	96	115
Tube OD × THK (Seamless)	mm	48.3 × 3.6	48.3 × 3.6	60.3 × 4.0	60.3 × 4.0	76.1 × 4.5
Tube Material	—	MS ASTM SA 106 GR.B	MS ASTM SA 106 GR.B	MS ASTM SA 106 GR.B	MS ASTM SA 106 GR.B	MS ASTM SA 106 GR.B
Thermic Fluid Circulation Pump – Type	—	Air Cooled (Size: 40–150)	Air Cooled (Size: 50–200)	Air Cooled (Size: 65–250)	Air Cooled (Size: 80–300)	Air Cooled (Size: 100–350)
Motor Power	HP	10	15	20	25	30
Expansion Tank Capacity	Litre	500	625	800	1000	1250
Pressure Jet Oil Fired Burner	—	Yes	Yes	Yes	Yes	Yes
Electrical Control Panel	—	SB Make with Schneider/ Siemens accessories	Same	Same	Same	Same
Other Accessories	—	30 ft Chimney, Tie-Rod Support, Pressure Switch, Temp Sensors, Watch Glass, Level Gauge	Same	Same	Same	Same

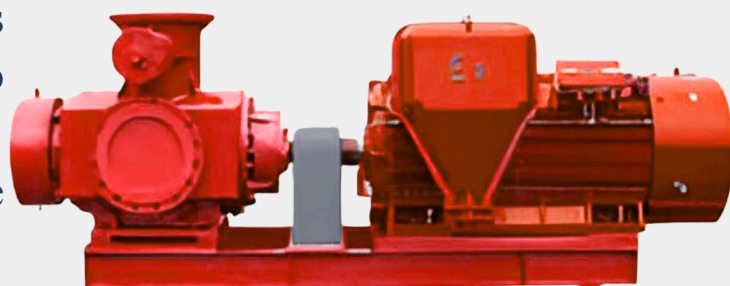
Thermic Fluid Heater

- Pre-wired and skid-mounted for quick and hassle-free installation.
- Designed for easy setup and smooth commissioning.
- Compact footprint requiring minimal floor space.
- Centralized control panel for simplified operation and monitoring.
- Delivers 87% efficiency with a compact, high-performance design.
- Monoblock system engineered to achieve over 95% efficiency.
- Compatible with multiple fuels, offering flexibility and cost efficiency



Bitumen Suction Pump

- Portable and easy-to-install design for smooth and efficient bitumen handling.
- Jacketed body construction ensures consistent heating and optimized pump performance.
- Positive displacement system delivers reliable and accurate bitumen suction.
- Available in capacities up to 24 m³, meeting varied project requirements.
- Powered by a durable gear pump coupled with a 10 HP motor for high efficiency.



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