

## BITUMEN DRUM DECANTING UNIT



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## BITUMEN DRUM DECANTING UNIT (ASPHALT DRUM MELTER)

The bitumen decanter from KESAR is a highly efficient, reliable and productive decanting unit custom designed to deliver the best in class productivity and reliable performance. These decanters are specially designed to reheat and melt bitumen packed in drums.

Designed for use in association with bulk storage tanks the melted bitumen is automatically transferred from the decanter reservoir to the storage tank during the decanting process.

These units are designed to seamlessly integrate to existing installations such as an asphalt plant or bitumen binder production plants.

Bitumen logistic is sometimes an issue, especially in those areas where an adequate supply of hot liquid product through conventional road transport tanks is not ensured. Here most end users are consequently supplied with solid bitumen in drums, but then they have to melt bitumen back into liquid form prior to usage or storage.

For Today's Requirements, we have developed the most performing drum melting unit actually available in the market. Reliability, user-friendly and high efficiency are the key features of these machines, widely sold to all major road contractors, most of which owning more than one unit for each of their different job sites.

## KESAR-DRUM MELTING UNIT

The Drum Melting Unit has been specifically designed to guarantee a very efficient melting of bitumen drums prior to usage.

We have two models available: with a melting rate of about 5.000 and 8.000 kg/hour. This equipment is designed to continuously melt bitumen contained in standard drums of 200 kg/each, so to enable a constant supply of bitumen. If needed, a suitable hot oil heater can be installed on the same skid to provide the required hot oil for the melting process and make the unit independent from external hot oil sources.

KESAR Drum Decanters and Melters are primarily used with asphalt mixing plants in territories where bitumen in bulk is either not available or regular supplies are unreliable and bitumen stored in drums is used as an alternative.

KESAR decanters are designed for ease of operation and provide the most efficient system for ensuring a high output of drummed bitumen.

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- ◆ Bitumen decanting solutions for remote locations
- ◆ Hourly throughput up to 5 tonnes to 8 tonnes per hour
- ◆ Hydraulically operated Drum Loading System
- ◆ Thermostatically controlled temperature
- ◆ Float switch operated transfer of bitumen via pump
- ◆ Fully insulated and clad heating chamber
- ◆ Static or mobile decanters available
- ◆ Easy to operate and simple to maintain

## FEATURES

Melter Type	: Continuous Drum Feeding
Drum Loading	: Hydraulically Operated Continuous Loaded Pushed in to Heating Chamber
Drum Arrangement	: Drums are arranged in Three Rows and Pushed further on rails up to end till Bitumen Melts completely and Empty Drums exist from Rear Doors of Unit in Continuous mode
Melting & Storage	: in the Unit consists of Two Parts
Upper	: Melting Chamber
Lower	: Reservoir / Storage of Melt Bitumen-Asphalt
Drum Heating	: Drums are Heated in an enclosed well insulated chamber by circulating Hot Oil of 200 Degree Celsius Temperature through a bank of such coils and so gets heated in a few minutes only and drains into an underneath Reservoir Tank. Melt Bitumen in this Reservoir Tank is also heated to a desired Temp. By same type of heating coils. The Hot Bitumen from this tank is then pumped out by a positive displacement type gear pump with jacketed body.
Insulated Unit	: Entire body of unit is well insulated with 75 mm thick Glass wool Cladding by G.I. Sheet / Aluminium Sheet / S.S. Sheet (Optional) insulated with a 3" thick glass wool with G.I.

**WE ASSURE OUR ALL CUSTOMERS THAT WE WILL PROVIDE THEM THE BEST QUALITY MACHINES AT AN ECONOMICAL COST - PROMPT SERVICES - BEST CO-OPERATION AT ALL TIMES.**

**“LET’S TOGETHER & BUILD QUALITY ROADS”**



**FACTORY**

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