

TROLLEY MOUNTED BITUMEN SPRAYER



- (Kirloskar/HTC) make 6.0 HP air cooled diesel engine
- L.A.P. Burner heating system / Wood fire heating system available
- Bitumen pump
- Nozzle with M.S. Spray Gun handle
- Trolley wheel Pneumatic Rubber Type (2 nos./ (OPTIONS) 4 nos.)
- S.S. corru. Flexible hose pipe / (OPTIONS) Rubber stem hose pipe
- Air compressor for road cleaning facility & L.A.P. burner Bitumen tank heating system

Bitumen Pressure Distributor



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CMPL-4000 4000 LTRS
CMPL-6000 6000 LTRS
CMPL-8000 8000 LTRS
CMPL-10000 10000 LTRS

BITUMEN PRESSURE DISTRIBUTOR

CMPL Bitumen Sprayers/ Bitumen Pressure Distributor comes as truck mounted, self propelled with suitable heating system and variable spray bar to operate on constant pressure system, complete with air-compressor, bitumen pump, auxiliary engine, tank mounting and other accessories for uniform and constant rate applications of hot bitumen (or cold tar).

A unique Pressure Cleaning System (PCS) cleans the system after use and avoids clogging. It is capable for use with bitumen emulsion also. Trolley mounted versions can be made available in place of Truck mounted.

STANDARD CONFIGURATION

- Fully - Insulated Tank with High Efficiency Heating System.
- Air Cooled Diesel Engine & Positive Displacement Gear Pump
- Designed to Stuff Standard Truck Chassis
- Safe & Easy in Operation
- Hand Spray System
- Unique Pressure Cleaning System
- Totally Factory Tested, Arrives Ready to Launch



BITUMEN SPRAYING PRESSURE

0 - 6 Kg/cm², Pressurized Bitumen Spraying.



SPRAY BAR

Standard Width: 2.4 M.
 Adjustable Extension Bar For Spraying Width up to 4.2 M. Nozzle Distance: 225mm Nozzle de.
 Pneumatically Operated Nozzles For Spray Bar Controlling.
 With Hand Torch Burner
 Unique Pressure Cleaning System

BITUMEN TANK

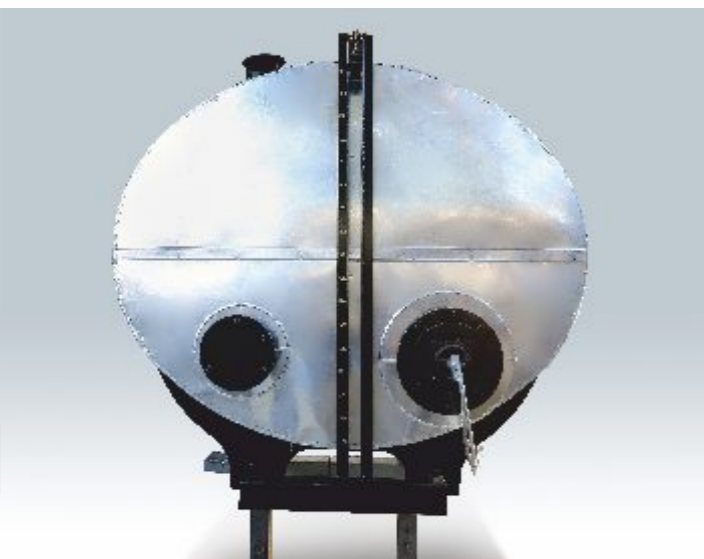
Tank is fabricated by a 5 mm MS sheet and is coated by 50 mm glass wool to prevent heat loss. The outer covering is galvanized as it has long life due to its anti-corrosion properties.

Manhole for maintenance or to fill the bitumen tank is of 450 mm diameter.

Manual and electronic temperature gauge is provided for temperature display up to 300 Degrees Celsius.

Electronic temperature gauge is given at the drivers cabin.

A ladder and platform is provided for ease of access to the top. A cock is given so that full bitumen tank can be drained out when required.



BURNER

Single high pressure oil burner (Diesel Compatible) for adequate heating of viscose binder is provided. Burner does the task of heating bitumen tank. Tank burner of capacity 43000 or 100000 cal is provided, depending on the sprayer capacity. A hand torch type burner of capacity 26000 cal is for manually cleaning the pipelines. This burner will be useful to facilitate quick start up of the sprayer in extreme cold. There are two fuel storage tanks provided with the sprayer. One is of 100 litres for burner and for engine, fuel storage is of 50 litres.

PNEUMATIC SYSTEM

A pneumatic hand lever valve is provided near the operator's seat. This is important to open and close the spray nozzles.

BITUMEN PUMP & AIR COMPRESSOR

Bitumen pump and air compressor are engine driven.
 2" x 2", 350 LPM, Positive Displacement Gear Pump.
 Twin Cylindere, 3HP, 360 LPM Capacity with working pressure of 9 Kg/cm²

CLEANING SYSTEM

A cleaning system is provided with the sprayer near the bitumen pump.
 At the end of day bitumen flow has to be off and entire spray line and spray bar can be cleaned by using air pressure and diesel.

TECHNICAL SPECIFICATION DISTRIBUTOR

| MODEL | CMPL-4000 | CMPL-6000 | CMPL-8000 | CMPL-10000 |
|----------------------------|----------------|----------------|----------------|----------------|
| Tank Details | | | | |
| Length-L | 2400 mm | 3000 mm | 3750 mm | 4500 mm |
| Width-W | 1800 mm | 2000 mm | 2000 mm | 2000 mm |
| Height-H | 1500 mm | 1600 mm | 1600 mm | 1600 mm |
| Capacity | 4000 ltrs. | 6000 ltrs. | 8000 ltrs. | 10000 ltrs. |
| Man Hole | 600 mm | 600 mm | 600 mm - 2Nos. | 600 mm - 2Nos. |
| Insulation | 50 mm | 50 mm | 50 mm | 50 mm |
| Shape | Ellipse Shape | Ellipse Shape | Ellipse Shape | Ellipse Shape |
| Burner | | | | |
| Type | Compressed Air | Compressed Air | Compressed Air | Compressed Air |
| Burner Fuel Tank | 50 ltrs. | 50 ltrs. | 75 ltrs. | 75 ltrs. |
| Engine Fuel Tank | 20 ltrs. | 20 ltrs. | 20 ltrs. | 20 ltrs. |
| Service Tank | 20 ltrs. | 20 ltrs. | 20 ltrs. | 20 ltrs. |
| Recommended Chassis | | | | |
| Wheel Base-WB | 3760 mm | 4470 mm | 5030 mm | 5030 mm |
| Clear Chassis Length-CL | 4850 mm | 6000 mm | 7000 mm | 7900 mm |

ENGINE

Engine: Single stage twin cylinder air cooled diesel engine of 25HP at 2000 RPM "KIRLOSKAR" Engine model HA294.

Bitumen pump and air compressor are engine driven.

Fuel consumption is 3-4 litres per hour.



TEMPERATURE INDICATORS

0 - 300 C (Analog) Scale Located On The Tank.
 Digital Temperature Indicator with speed indicator

DRIVING UNIT

Powered By A 25HP Air Cooled Diesel Engine.