



**ATLAS
EQUIPMENTS**



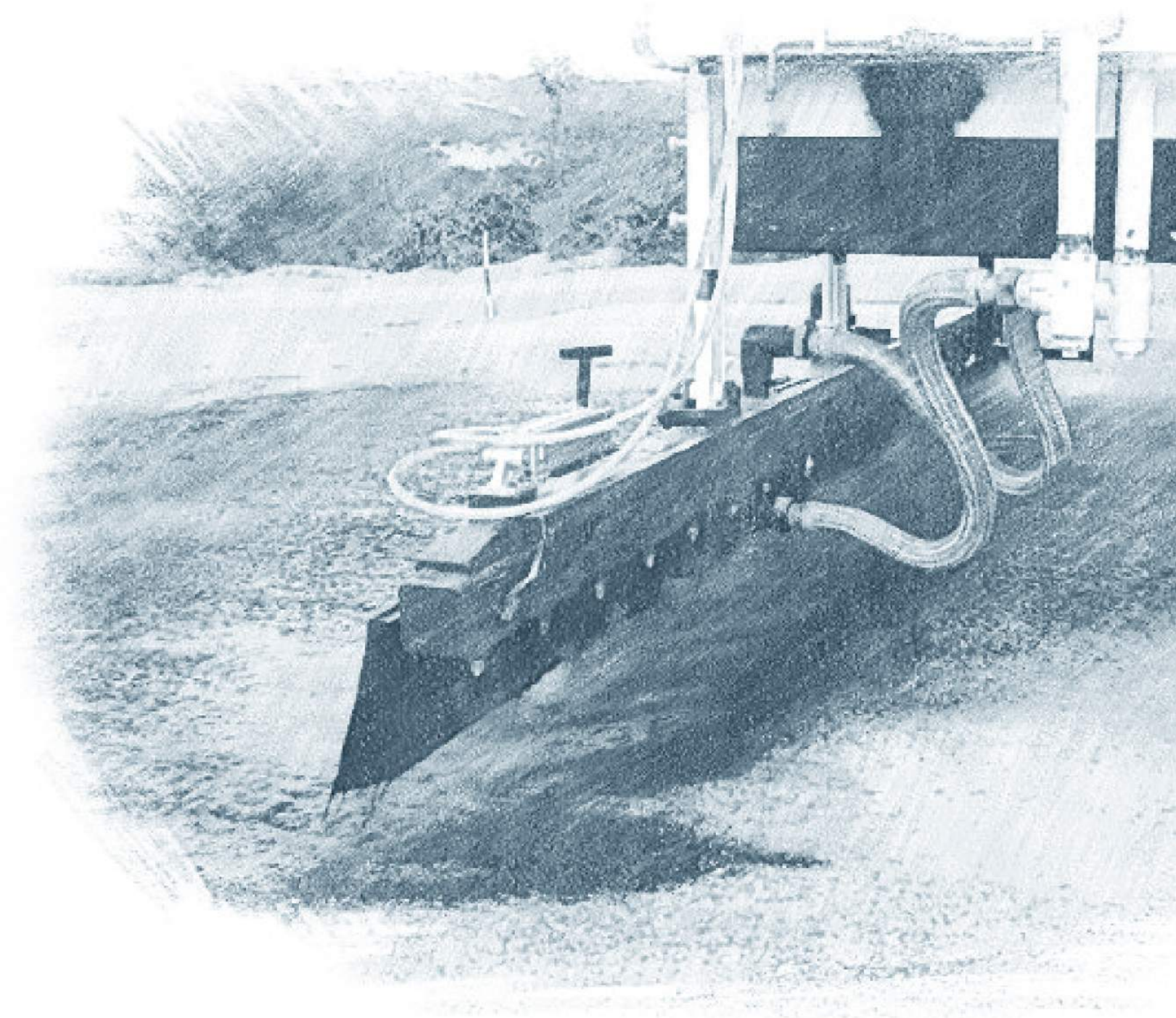
BITUMEN SPRAYER

BITUMEN SPRAYER / BITUMEN PRESSURE DISTRIBUTOR

Bitumen Sprayer allows uniform spraying of bitumen. These sprayers are available in capacities of 4 T, 6 T, 8 T, 10 T and 12 Tons. These tar sprayers are with designed to perform in rough conditions and are tried and tested in Indian conditions. Bitumen Pressure Distributor is essential machinery for road building. It is mounted on a suitable truck chassis and moving the same will allow spraying of bitumen on the road prior to laying of hot mix asphalt. It is one of the most important machine for road building.

The tanks are fully insulated form all the sides to avoid heat loss. There is a burner supplied with the machine that will help in maintaining the bitumen in liquid condition. Engine supplied is of reputed make and diesel operated. The design of the machine is very easy and is done with extreme care to ensure uninterrupted operation.

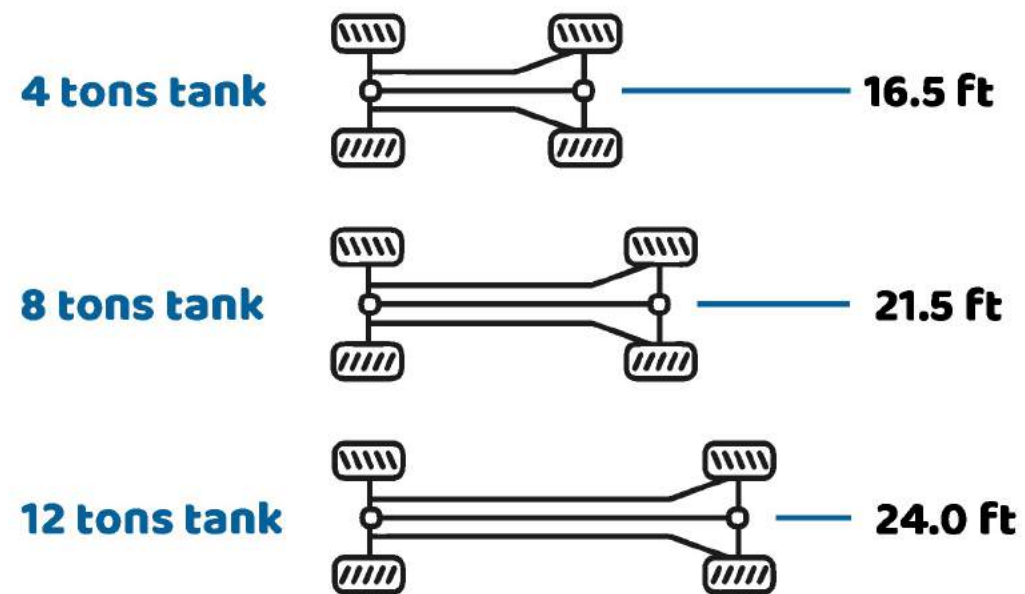
ATLAS bitumen distributors allow uniform hot bitumen distribution. ATLAS Bitumen Sprayers are designed with precision. The quality we give is unparallel. It can be mounted on any new / old suitable truck chassis. All the parts used are highly durable and suited for tough Indian conditions. Operating and maintenance is easy and does not require skilled labour. All the safety points are very well considered while making this sprayer. However tough and accurate your spraying job may be, this sprayer will surely deliver.



BITUMEN PRESSURE DISTRIBUTOR TRUCK MOUNTED

Atlas is manufacturer of truck mounted bitumen pressure distributor. It is available in various capacities. Depending on the size of the sprayer tank a suitable truck has to be selected. It is widely believed by many that a new vehicle is required for installation of the bitumen sprayer machine. But it is not the case. Atlas bitumen sprayer can be mounted on any new or old truck sprayer chassis. The section of a correct truck chassis is very important. We will not recommend a bigger chassis for a smaller machine because it will make the machine longer and hard to move around. An undersized chassis will not be suitable for a bigger tank because the tank may extend out from the chassis. It is also possible that when the sprayer is loaded with bitumen the truck may not be able to move freely.

**REQUIRE
TRUCK
CHASSIS
LENGTH
BEHIND
THE
CABIN**



If the customer can send his vehicle to our factory we can provide installation service of the machine on their truck. If that is not possible the tar sprayer can also be installed on customer's truck at site

4 TONS | 6 TONS | 8 TONS | 10 TONS | 12 TONS



COMPONENTS





STORAGE TANK FOR BITUMEN

Tank supplied with the bitumen sprayer is fabricated by a 5 mm MS sheet and is coated by 50 mm glasswool. The outer covering is galvanized. It has long life due to its anti-corrosion properties. Storage tank heating is first stage heating pipeline of diameter 10 inches and second stage pipeline of diameter 8 inches.

A manhole to fill the tank or for maintenance of 450 mm diameter is provided. A manual as well as an electronic temperature gauge is provided with the bitumen pressure distributor for temperature display upto 300 Degrees celcius. Electronic temperature gauge is fitted at the drivers cabin. For the ease of access to the top, a ladder and a platform is provided. A cock is given to drain out full bitumen from the tank when required



BURNER

Diesel compatible burner for adequate heating of viscose binder with oil is provided. The fuel consumption of the burner is 7-8 liters/ hrs.

Hand torch type burner is for manually cleaning the pipelines in extreme cold conditions. This burner will be useful to facilitate quick start up of the sprayer in extreme cold conditions. A 100 liters fuel storage tank for burner and 50 liters fuel storage tank for engine is provided.



ENGINE

Single stage twin cylinder air cooled diesel engine of 25HP at 2000 RPM is provided. Engine is "KIRLOSKAR" model HA 294. Engine powers bitumen pump and air compressor. Fuel consumption of the engine is 3-4 liters per hour.



BITUMEN PUMP AND AIR COMPRESSOR

The engine drives bitumen pump and air compressor.

Bitumen pump is connected to the engine by a heavy duty clutch. Just engaging the clutch will activate the pump. Bitumen pump capacity is upto 500 liters per minute. Bitumen pump pressure can be increased upto 8-10 Bar.

Air compressor is double cylinder of capacity 3 HP and is driven by a V-belt through engine. Compressor gives an output of 3 HP with discharge pressure 150 PSIG and 11.25 CFM.



RETURN LINE

Return line in Atlas bitumen sprayers is designed in such a way that you can set and adjust the spray bar pressure from the gland cock. The gland cock can also be adjusted to fasten the bitumen heating process during starting up the machine.



BITUMEN TRANSFER LINE

Bitumen can be also be filled in the tank by the bitumen transfer line. Filling of bitumen is easy and by the same pump which is provided with the sprayer. No extra pump is required



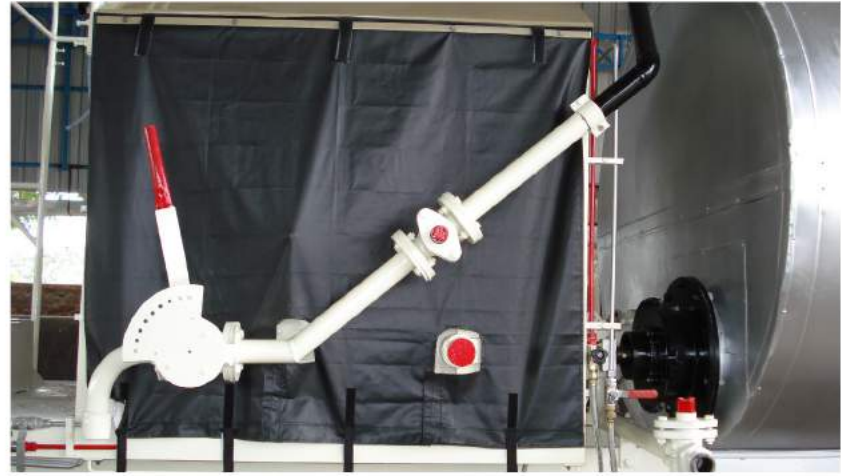
SPRAY BAR

Standard spray bar provided with the Atlas tar sprayer is folding type fitted with pressure gauge regulating valve etc. Standard width of the spray bar is from 2.4 mtrs to 4.2 mtrs which can be extended to upto 6.0 meters. Adjustment of spray bar height is mechanical. Pre-heating of spray is by full circulation of preheated bitumen. Spraying pressure can be adjusted from 0-6 bar. One Hand spray pipe SS Corrugated 3/4" x 5 meter is also provided. Cleaning of the spray bar is by air pressure and by diesel oil. Rate of spray application: 0.3-1.0 kg per sq meters, Calibration chart is provided at the operator's platform.



PNEUMATIC SYSTEM

A pneumatic hand lever valve is provided near the operator's seat provided with the bitumen pressure distributor. Pneumatic system is important to open and close the spray nozzles.



CLEANING SYSTEM

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



ALL PRODUCTS *



ATLAS GLOBAL INSTALLATIONS



ATLAS EQUIPMENTS

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