



TECHNICAL DATA

BD 1000 ASPHALT DISTRIBUTOR

Compact, 1000 Gallon Asphalt Distributor

The BOMAG BD 1000 is a compact, 1000 gallon state-of-the-art asphalt distributor with an automatic burner for efficient heating. Dosing is computer-controlled, which provides exceptional accuracy and doesn't compromise user comfort. The BD 1000 fulfills the ISO/NP 15643 standard requirements.



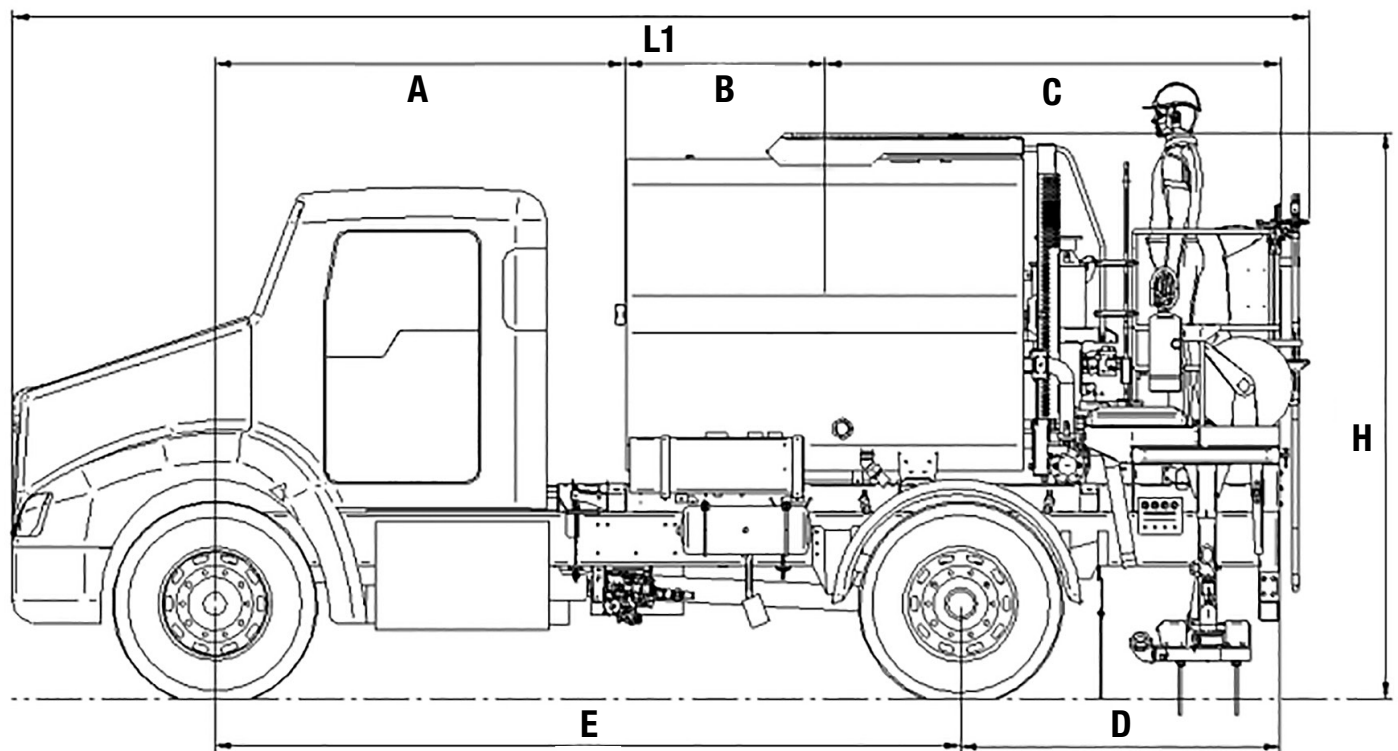
BD 1000

TRUCK: 2 axles

SYNTHESIS:

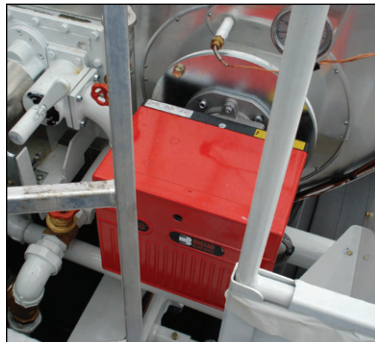
TANK: 1,000 Gallons

SPRAY BAR: 15.7 foot Max. Spraying Width



Dimensions in Inches (mm)

	A	B	C	D	E	H	L1
BD 1000	83.62 (2124)	40.74 (1035)	92.95 (2361)	65.2 (1655)	152 (3861)	115.23 (2927)	264.25 (6712)



AUTOMATIC BURNER

- Safety Sensors
- Self-regulating temperature



TANK MANHOLE

- Easy access to back of tank
- Guard rail for safe access



ASPHALT PUMP

- Continuous heating of submerged pump
- Easy maintenance from rear platform



FOLDABLE SPRAY BAR

- 15.7 foot foldable extension
- Air-assisted suck back system prevents nozzle clogs



BACK-UP CAMERA

- Integrated into base for added safety



HAND LANCE

- Aluminum construction is lightweight and easy to use



AUTOMATIC REEL

- 50 foot of hose pipe
- Swivel joint on automatic roller for easy maneuverability



EXTERNAL ASPHALT FILTER

- Easy and safe access from rear platform

Technical Data

ASPHALT TANK

- Suitable for all types of oil (bitumen / AC)
- Oval tank design
- Baffles in the tank, avoiding any liquid movement during transportation
- Bolted manhole Ø 17.5 in and safety restriction Ø 13.8 in with access ladder
- Tank gauge, float type, calibrated every 150 gallons
- Constant venting of the tank
- Emptying of the tank by gravity, with valve

TANK INSULATION

- Heat-insulation of 4 in
- Rockwool layer with high density
- Protected by a aluminum sheet cover
- Thermal bridge suppression

DIRECT TANK HEATING SYSTEM

- RIELLO burner: Automatically controlled Diesel oil burner with electric ignition
- 21 gallon independent diesel oil tank
- "U" shape heating tube
- Stainless steel exhaust
- Thermometer

BINDER PUMP

- Submerged pump: max flow rate of 20 y³ with safety by-pass and integrated valves
- Driven by a hydraulic motor
- Application rate range: from 0.02 gal/y² to 0.32 gal/y² at 200 ft/m full width

ASPHALT SYSTEM

- Asphalt circuit allowing the following functions :
 - Mixing inside the tank
 - Circulating in the spray bar
 - Spraying with the hand lance
 - Asphalt system emptying by sucking and return to the tank
 - External suction with integrated strainer
 - Discharging
 - Asphalt flush back
- Pneumatic valve controlled from the cab to switch from circulating to spraying with the spray bar
- External binder filter

FOLDABLE SPRAY BAR

- Maximum spraying width: 15.7 ft
- Flat nozzles spaced every 4 in, pneumatically controlled and protected by a sheet metal cover
 - 48 total jets controlled two by two on the center bar
 - 12 jets individually controlled on each extension
- Foldable spray bar in 3 parts: one main part with 2 lateral extensions, foldable rearwards in event of collision
- Complete asphalt circulation with 2 hose pipes
- Spray bar extensions manually controlled, for unfolding/folding
- Spray bar height adjustment by 2 pneumatic jacks, individually controlled

HAND LANCE

- In aluminum
- Ergonomic adjustable handle
- Conical spray head
- 50 ft of hose pipe, with swivel joint on automatic roller

CLEANING SYSTEM

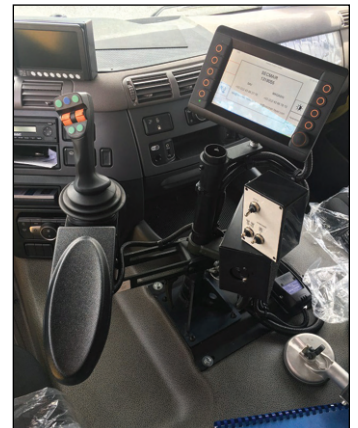
- Asphalt flush-back to tank
- Complete cleaning of asphalt system with pressurized air
- Intake to inject cleaning agent into the asphalt system

APPLICATION RATE COMPUTER

- Controlling and regulation automatism in compliance with EMC standards
- Computer controlling the asphalt application rate depending on the following parameters:
 - Spraying width
 - Speed of the truck, measured by radar
 - Set application rate

IN CAB CONTROLS

- Control joystick with armrest allows for the following operations:
 - Jets selection, with possibility to select either 1 jet on 2 or 1 jet on 3 (tack coat application)
 - Spraying command of the selected jets
 - Individual commands of the spray bar height, right and left
- 7-inch ergonomic screen with articulated arm to access the different functions
- The following information is available at any time on the screen
 - Application rate
 - Spray bar width
 - Asphalt pump speed
 - Truck working speed
 - Warning messages when a problem occurs with a peripheral



Cab controls include an ergonomic, all-in-one joystick for intuitive operation of most distributor functions.

HYDRAULIC CIRCUIT

- Hydraulic pump driven by the truck engine
- Pressure gauge
- Hydraulic valves to supply the different motors
- Hydraulic tank with filtering device

PNEUMATIC CIRCUIT

- Connecting on the supplying cylinder of the truck
- Separate buffer tank
- Filter, relief valve, control gauge

CAMBER

- Sub-frame allowing to receive:
 - The tank
 - The asphalt system and components
 - The spray bar and components
- Longitudinal beams and fixing clamps on vehicle
- Affixed to the truck with brackets, conforming to the truck manufacturer requirements
- Rear platform and access steps

PAINT

- Wash primer and 2 polyurethane topcoats
- Black

SPRAYING CERTIFICATE

CONTROL ON OUR CERTIFIED SPRAY CONTROL FACILITY

- This check allows to control the average rate of spread and the transversal variation coefficient for the asphalt spraying
- Test bench report supplied at the delivery

DOCUMENTATION

TECHNICAL DOCUMENTATION

- User manual
- Technical manual
- Spare parts manual

TRUCK CHASSIS

STANDARD RECOMMENDATIONS

- Working speed: 2.5 m/h at 1,300 rpm
- Gear box: Automatic
- PTO: Rear engine Power Take Off with flange output, 1.4/1 ratio and left rotating direction (if different, consult us)
- Compressor 18.7 cfm minimum

TRUCK SPECS

- GCW: 26,000 lbs
- Transmission: ALLISON 3500 RDS 6 speed



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Disclaimer: At the time of printing every effort was made to ensure the accuracy of the specifications shown. Please contact BOMAG Americas with questions or to obtain current specs.