Maximizer II Specifications

**CAPACITY**
- 1,000 U.S. gallons (3,785 L) to 4,000 gallons (15,142 L) w/overage for expansion

**TANK TYPE**
- Elliptical shape
- Full-cross section 10 gauge (3.4 mm) surge plates
- w/staggered openings
- Meets all applicable Federal Tank Regulations for asphalt distributors

**TANK MATERIAL**
- Steel, 10 gauge (3.4 mm) shell
- 7 gauge (4.5 mm) reinforced and flanged heads
- All seams electrically welded inside and out

**INSULATION AND JACKET**
- 2 in. (51 mm) thickness with .05 in. (1 mm) weatherproof aluminum jacket

**MANHOLE**
- 22 in. (559 mm) diameter with weather-tight and safety relieving cover
- Inside splash guards
- 3 in. (76 mm) diameter overflow
- Steel measuring stick
- Basket type strainer

**SUMP**
- 8 in. (203 mm) diameter at rear of tank with cleanout plug
- Suction line from pump includes tank cutoff valve

**HEATING FLUES**
- Single flue with 8 in. (203 mm) inside diameter tubing with square return bend configuration
- Hi-Lo double flue optional

**EXHAUST STACK**
- 14 gauge (1.9 mm) stainless steel at rear with hood

**THERMOMETER**
- 4 in. (102mm) dial thermometer
- Optional
- Armored pencil inspectors type 20 degrees to 500 degrees on side of tank in pipe well
- In cab digital reading

**CONTENTS GAUGE**
- Float type, continuous reading in 50 gallon (189 L) increments
- Front and rear tank head mounted

**BURNERS**
- Diesel fired burner(s) with standard electronic ignition
- Or liquid withdrawal LPG burner(s) with pressure regulators and necessary LP connections to frame mount 52-gallon tank, std.
- Optional LPG electronic control
  - ignition, outfire, temperature limit

**FLUSH TANK**
- 25 gallons (95 L) with connections to asphalt pump for cleanout of pump and piping
- Optional Enviro-Flush cleanout system for environmentally friendly handling of cleaning solvent

**AUTO FUNCTION FROM CAB DISTRIBUTOR CONTROLS**
- EZ-2S control system for control of all distributor functions from the cab
- Display includes selectable readouts for pump GPM, truck FPM, application rate, spraybar length, distance traveled, gallons sprayed, digital in cab tank contents temperature, flow, speed calibration, spraybar width, hour meter and total area sprayed (including metric readings)
- 6 preset settings for application rate and flow calibration
- Panel includes, control for spraybar On/Off, spraybar lift and shift and auto valve selection for load, transfer, tank circulate, spray, handspray and cleanout functions
- Provides accurate application regardless of changes in speed or spraybar width during operation
- Optional cab controls for spraybar wing-folds and control of spraybar in 1 ft. increments

**ASPHALT PUMP DRIVE**
- Hydrostatic, variable displacement hydraulic pump, front live power driven (truck chassis must be suitable for front live power), with fixed displacement hydraulic motor
- Control in cab to adjust speed of asphalt pump with additional rear control
- Or liquid withdrawal LPG burner(s)
- Diesel fired burner(s) with additional rear control
- 20 gallon (76 L) hydraulic reservoir
- Optional PTO from transmission drive of hydraulics

**SPRAYBAR**
- EZ-Spray, 12 ft (3.7 m) full circulating spraybar
- Two 4 ft. (1.2 m) center sections and two 2 ft (.6 m) folding sections, 2 compartment sections
- 4 in. (102 mm) nozzle spacing with individual quick disconnect valves for each nozzle
- Power lift and shift of spraybar
- Exclusive two-way safety breakaway feature
- All spray valves are internally mounted for continuous heating and minimized plugging

**NOZZLES**
- Standard brass V-jet, 4 in. (102 mm) centers

**RADAR HORN**
- Radar horn to accurately measure speed and distance traveled
- 0-1,500 FPM (0-457 MPM)

**MISCELLANEOUS EQUIPMENT**
- Transfer valve with quick coupler
- Back-up alarm
- Single nozzle handspray gun with 25 ft. (7.6 m) hose

**OPTIONAL EQUIPMENT**
- Rubber or steel loading hose
- Washdown system
- 4-way power mirror
- Rear bumper
- 2 or 3-nozzle handspray wand
- 1 ft. (.3 m) spraybar extensions
- 2 ft. (.6 m) spraybar extensions

**FINISH**
- Enamel black paint with aluminum

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LeeBoy • 688 North Highway 16 • Denver, North Carolina 28037 • www.LeeBoy.com • (704) 966-3300
Maximizer II Asphalt Distributor

Featuring:
- Automatic In-Cab Controls
- 12-24 Foot Spraybar Available
- Accurate Application From Start To Finish
- Internal Spraybar Valves
- 400 GPM Viking Asphalt Pump
- Full Circulation Spraybar
- Enviro-Flush Clean-Out System Option

Rosco, A LeeBoy Company, has designed and manufactured superior road maintenance products since 1928. Our brands are well-known for their quality and innovative designs. This standard of quality provides our customers with dependable, low maintenance equipment with a high resale value.

Contact your Rosco dealer:
Maximizer 3 Asphalt Distributor

Featuring:
- Automatic In-Cab Controls
- EZ Spray Extendible Spraybar
- Straight-Line Start and Stop
- Tapered and Radius Spraying
- Internal Spraybar Valves
- 8-20 Foot Spraybar Available
- 400 GPM Viking Asphalt Pump
- Full Circulation Spraybar
- Enviro-Flush Clean-Out System Option
Maximizer 3 Specifications

**CAPACITY**
- 1,000 U.S. gallons (3,785 L) to 4,000 U.S. gallons (15,142 L) with/without for expansion

**TANK TYPE**
- Elliptical shape
- Full-cross section 10 gauge (3.4 mm) surge plates w/staggered openings
- Meets all applicable Federal Tank Regulations for asphalt distributors

**TANK MATERIAL**
- Steel, 10 gauge (3.4 mm) shell
- 7 gauge (4.5 mm) reinforced and flanged heads
- All seams electrically welded inside and out

**INSULATION AND JACKET**
- 2 in. (51 mm) thickness with .05 in. (1 mm) weatherproof aluminum jacket

**MANHOLE**
- 22 in. (559 mm) diameter with weather-tight and safety relieving cover
- Inside splash guards
- 3 in. (76 mm) diameter overflow
- Steel measuring stick
- Basket type strainer

**SUMP**
- 8 in. (203 mm) diameter at rear of tank with cleanout plug
- Suction line from pump includes tank cutoff valve

**HEATING FLUES**
- Single flue with 8 in. (203 mm) inside diameter tubing with square return bend configuration
- Hi-Lo double flue optional

**EXHAUST STACK**
- 14 gauge (1.9 mm) stainless steel at rear with hood

**THERMOMETER**
- 4 in. (102mm) dial thermometer optional
- Armored pencil inspectors type 20 degree to 500 degree on side of tank in pipe well
- In cab digital reading

**CONTENTS GAUGE**
- Float type, continuous reading in 50 gallon (189 L) increments
- Front and rear tank head mounted

**BURNERS**
- Diesel fired burner(s) with standard electronic ignition
- Or liquid withdrawal LPG burner(s) with pressure regulators and necessary LP connections to frame for pump 52-gallon tank, std.
- Optional LPG electronic control (ignition, outfire, temperature limit)

**FLUSH TANK**
- 25 gallons (95 L) with connections to asphalt pump for cleanout of pump and piping
- Optional Enviro-Flush cleanout system for environmentally friendly handling of cleaning solvent

**AUTO FUNCTION FROM CAB DISTRIBUTOR CONTROLS**
- EZ-3S control system for control of all distributor functions from the cab
- Display includes selectable read outs for pump GPM, truck FPM, application rate, spraybar length, distance traveled, gallons sprayed, digital in cab tank contents temperature, flow, speed calibration, spraybar width, hour meter and total area sprayed (including metric readings)
- 6 preset settings for application rate and flow calibration
- Panel includes, control for spraybar On/Off, and auto valve selection for load, transfer, tank circulate, spray, handspray and cleanout functions
- Provides accurate application regardless of changes in speed or spraybar width during operation

**ASPHALT PUMP**
- Viking MV1054, 4 in. (102 mm) 400 GPM/1514 LPM capacity positive displacement, rotary gear pump
- Located at rear of unit with suction piping to tank sump

**ASPHALT PUMP DRIVE**
- Hydrostatic, variable displacement hydraulic pump, front live power driven (truck chassis must be suitable for front live power), with fixed displacement hydraulic motor
- Control in cab to adjust speed of asphalt pump with additional rear control
- 20 gallon (76 L) hydraulic reservoir
- Optional PTO from transmission drive of hydraulics

**SPRAYBAR**
- EZ-Spray spraybar, variable from 8 to 16 ft. (2.43 m - 4.87 m) in width
- Full circulating bars via cab controls and automatically turn on and shut off while extending and retracting
- Two way safety breakaway at end of each bar
- 4 in. (102 mm) nozzle spacing and individual quick disconnect valves for each nozzle
- All spray valves are internally mounted for continuous heating and minimized plugging
- Cab control of spraying and circulation
- Extension and lift of spray bar controlled from cab and rear control box

**NOZZLES**
- Standard brass V-jet, 4 in. (102 mm) centers

**RADAR HORN**
- Radar horn to accurately measure speed and distance traveled
- 0-1,500 FPM (0-457 MPM)

**MISCELLANEOUS EQUIPMENT**
- Transfer valve with quick coupler
- 4-way heated mirror
- Rear bumper
- Back-up alarm
- Single nozzle handspray gun with 25 ft. (7.6 m) hose

**OPTIONAL EQUIPMENT**
- Rubber or steel loading hose
- Washdown system
- 2 or 3-nozzle handspray wand
- 18 or 20 foot EZ-Spray extendible spraybar system

**FINISH**
- Enamel black paint with aluminum

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Maximizer II & 3 Common Features

Viking Asphalt Pump
The Viking asphalt pump minimizes asphalt damage and provides greater reverse suction for full system clean out.

Clean Starts
Start, stop and restart material flow with a clean, clear line. (Maximizer 3’s staggered bar is synchronized to start and stop cleanly.)

EZ-S Controller
EZ-S Controller controls spray, bar circulate and spray width while on the move. Monitor or change material application as needed. Complete, automatic switching without touching hot valves.

Automatic Valve Control
Automatically controlled by the EZ-S Controller, valves make for clean and accurate asphalt movement and distribution.

How It Works

1. Open Enviro-flush valve and add a small amount of solvent to system.
2. Open re-circulate valve to flush solvent through entire spray system and bar.
3. Reopen Enviro-flush valve and reverse pump to return solvent to twenty-five gallon tank to be reused again and again.
4. Material is contained in tank until it can be disposed at an environmentally safe location.

Enviro-Flush Cleaning System
Rosco’s Maximizer II asphalt distributor puts the operator in full control from the clean, safe comfort of the cab. Maximizer II’s EZ-S controller controls application rate and spray width in 1-foot sections while on the move. The Viking asphalt pump and clog-free spraybar valves make Maximizer II a reliable workhorse on the job. Clean-up is a snap with the Enviro-Flush cleanout system.

**Clog-Free Valves**

Internal spraybar valves are surrounded by hot asphalt during operation and solvent during clean out – eliminates clogging.

**Center Breakaway**

Prevents damage to spraybar from either direction – across entire width of spraybar.

**Full Circulation Spraybar**

Full circulation of material flow through entire system prevents build up from tank to spraybar ends. Clean out of pump, valves and spraybar is complete even with heavy grade materials.

**One-Foot Control Spraybar**

Open or close any one-foot section of the spraybar from the cab.

**Spraybar Extensions**

Extend width of spraybar by adding spraybar extensions. Hydraulically raise or lower extensions when needed.
**Maximizer 3 Features & Benefits**

Rosco’s Maximizer 3 asphalt distributor features an extendible spraybar that smoothly moves from 8 foot to 20 foot width in 4-inch increments. The EZ-Spray extendible spraybar makes radius and taper spraying, along with maneuvering for obstacles such as bridges, a smooth and efficient operation.

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**Self-Contained Valve Operation**

Individually controlled valves incorporate air cylinder into the valve eliminating external exposure of linkages or cylinder rods.

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**Efficient Corners and Smooth Tapers**

Extend bar into radius shots or taper for less unit maneuvering and a more efficient job.

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**Safety Breakaway**

One-foot breakaway at the bar’s end prevents damage if an impact with an obstacle occurs.

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**Avoid Obstacles On-The-Move**

Retract bar for obstacles such as bridges without maneuvering unit.

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**EZ Spray Extendible Spraybar**

Spraybar extends continuously in 4-inch increments in either direction – allowing operator to make the shot without overlapping or gapping.
Configurations

Configuration Checklist

### Maximizer II

- 12 Month Warranty/Unlimited Hours
- 1,100 to 4,100 Gallon Capacity Tank
- 400 GPM Viking Asphalt Pump
- 12 Foot Rosco EZ-1 Plus Full Circulating Spraybar
- Manual Spraybar Lock Assembly
- 8 Inch Diameter Heating Flue
- Diesel Fired Burner With Heat Limit Control
- EZ-2S In-Cab Controller
- 4 Inch Dial Thermometer
- 1 Inch Sampling Valve
- Front and Rear Dial Contents Gauges
- Single Nozzle Handspray Wand
- Meets Federal DOT Hot Asphalt Regulations
- Enviro-Flush Clean-Out System
- LPG Burner In Lieu Of Diesel Burner (52 Gallon LP Tank)
- Cab Control Folding Wings
- 1 or 2 Foot Spraybar Extensions
- Wash Down System For Spraybar Cleaning
- In-Cab Control Of Sparybar In 1 Foot Increments

### Maximizer 3

- 12 Month Warranty/Unlimited Hours
- 1,100 to 4,100 Gallon Capacity Tank
- 400 GPM Viking Asphalt Pump
- 8 To 16 Foot Ez-Spray Extendible Full Circulating Spraybar
- EZ-3S In-Cab Controller
- 8 Inch Diameter Heating Flue
- Diesel Fired Burner With Heat Limit Control
- 4 Inch Dial Thermometer
- 1 Inch Sampling Valve
- Front and Rear Dial Contents Gauges
- Single Nozzle Handspray Wand
- Meets Federal DOT Hot Asphalt Regulations
- Enviro-Flush Clean-Out System
- LPG Burner In Lieu Of Diesel Burner (52 Gallon LP Tank)
- 18 or 20 Foot EZ-Spray Extendible Full Circulation Spraybar
- Wash Down System For Spraybar Cleaning

Rosco products are designed and assembled using the finest components and the highest quality workmanship.

Independent Rosco Dealers provide great sales, service and parts support worldwide. LeeBoy Sales Representatives, with more than 500 combined years of paving, grading and road maintenance expertise, support our Dealers and you. Genuine Rosco parts are available for all Rosco products.