



Spray Patchers

RA-2000 Spray Patcher



RA-2000 Spray Patcher

Features include:

- 300-gallon Emulsion Tank
- External Emulsion Contents Gauge
- 12-inch Emulsion Load Hatch
- 3-piece Articulated Boom
- Engine Sound Suppression System
- All-weather Operation
- Simple Operator Control and Cleanout
- Adjustable Aggregate Delivery
- Overnight Tank Heating System

Best in Class

LeeBoy

All Weather Operation

Utilize a two-person crew efficiently and reduce material costs with the maneuverable, trailer-mounted, spray-patching unit. The patch area is blown clean, sealed with heated emulsion, filled with patching mix, and coated with dry aggregate....traffic flows immediately.

Government studies prove that spray patching is the most durable and economical way to patch.*

Repair roads when your schedule demands it. The RA-2000 all-weather spray patcher repairs potholes, alligator cracking and road erosion in temperatures as low as 0° F (-17.8° C). Engine coolant heats emulsion lines and nozzles. Fluid jacket surrounds discharge nozzle providing heat to nozzle end.

The RA-2000's pressurized delivery system minimizes maintenance with only one moving part. At the end of the day, clean out takes only seconds and equipment is ready for the next day.

* National Research Council's Strategic Highway Research Program H-353.



60-second Patching System

Spray injection patching with the RA-2000 is easy and effective. According to the National Research Council's SHRP Report, spray injection patching is the most economical and longest lasting method of pothole repair.



The hole is cleaned with a volume blower.



A tack coat of emulsion is applied to the area.



A mixture of aggregate and hot emulsion fills the hole.



A finish coat of aggregate . . . and traffic flows.

Simplified Operation

The operator controls engine throttle, aggregate flow, flush activate, signal horn and emulsion flow. Operator is positioned well away from the spray nozzle with the boom's adjustable suspension system to ease operator effort. Operator controls the unit from either side of the articulated boom, which has a working radius of 17 feet to maximize patching efficiency.



High Volume Blower



A high volume blower unit provides 850 cfm force to remove dust, water, dirt or debris from repair area. A sound suppression system surrounds the engine to reduce noise for the operator and those near the repair area. The high volume blower is also equipped with a suppression muffler for quiet operation.

Emulsion Tank and Heating System

The pressurized, 300-gallon emulsion tank has a 12-inch load hatch - largest in the industry. Engine coolant maintains constant correct emulsion temperature. Plug the unit into a 110v outlet and set the thermostat to desired temperature for overnight heating and fast morning starts.



Aggregate Delivery System



Aggregate is gravity fed from dump truck to receiving hopper. A slide gate controls the supply of aggregate. An adjustable venturi regulates aggregate flow rate for smooth operation with all types of aggregate.

Configuration Checklist

12-month Warranty with Unlimited Hours	✓
84.5 HP Kubota Diesel Engine	✓
300-gallon Emulsion Tank	✓
12-inch Emulsion Loading Hatch	✓
External Contents Gauge & Dial Thermometer	✓
Gravity Feed Aggregate Hopper & Jet Feed System	✓
Flush Tank & Cleanout System	✓
3-piece Articulated Boom Suspension System	✓
Rear Electronic Control & Gauge Panel	✓
Overnight Tank Heating System	✓
Light & Strobe Package	✓
Crack Filling Attachment	optional
Arrow Board	optional
Surge Brakes	optional

Specifications

RA-2000 Spray Patcher

Engine	
Make	Kubota Diesel
Performance	84.5 HP (63 kw)
Dimensions	
Weight (standard)	6,000 lbs. (2,722 kg)
Length	15' 8" (4.8 m)
Width	8' (2.4 m)
Height	7' (2.1 m)
Articulated Boom	
Working Range	17' (5.1 m)
Emulsion Tank Capacity	300 gal (1,135.6 L)
Electric / Water Heating	180° F consistent heat (82.2° C)
Dual Heating Elements	4,500 watt
Emulsion Loading Hatch	12" (304 mm)
Blower / Air System	
Hydraulic Blower	876 cfm @ 1 psi & 2,350 rpm
Fluid Capacities	
Fuel Reservoir	24 gal (90.8 L)
Flush System	9.5 gal (36 L)

LeeBoy makes continuous improvements in all its products. We reserve the right to change specifications without notice. Photos and illustrations may contain standard and optional equipment.

RA-2000 Spray Patcher-01-10-2.5K
#13246

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