

Concord Road Equipment Mfg., Inc.
Painesville, Ohio 44077
1-800-942-ROAD (7623)

CRE 44 Thru 555 Series Bottom Fired Bituminous Road Repair Kettles Specifications

Standard Equipment and Features Include:

Seven capacities to choose from - 40, 80 165, 220, 330, 440 and 550 gallons (struck - water level full)
Trailer or skid mounted models

Inner Material Heating Tank

All 10 gauge steel construction
All seams electrically welded inside and out and pressure tested for leaks
Tank is internally baffled to prevent excessive sloshing
Heavy duty metal screen located in front of draw-off valve to prevent port blockage
Heavy duty 1-1/2" molasses valve
Large 3" draft gap between inner tank and outer kettle shell reducing hot spots for more even heating
One piece solid welded 10 gauge reinforced top with DOT approved hot products lid
Heavy duty hinged exhaust stack

Outer Kettle Shell

All 10 gauge steel construction
All units include high temperature, high density insulation throughout
Side and front walls reinforced to help prevent buckling due to high temperatures
All seams electrically welded inside and out
Heavy wall tubular burner flues

Trailer Mounted Units

Trailer mounted units include heavy duty full structural steel channel frame
4" channel on 88 thru 222 models, 6" channel on 333 thru 555 models
Heavy duty single axle with automotive style bearings and hubs on 88 thru 333 models
Heavy duty tandem axle with automotive style bearings and hubs on 444 thru 555 models
Highway tread tires with heavy duty rims
Heavy duty wrap around fenders
10 gauge steel protective heat shields on lower belly of outside shell to protect tires on trailer mounted units
Standard front adjustable parking stand
Adjustable pintle eye
Stop tail turn lighting and license plate light with bracket

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Additional Standard Features and Optional Accessories

Choice of Burner Systems:

LPG Burner(s):

All burners designed for long life and they are easy to operate and maintain
Two styles to choose from, vapor withdrawal and liquid withdrawal
Liquid withdrawal burner, which preheats propane liquid in burner coil, are usually required in cold climate conditions to help prevent valve, hose and regulators from icing
Both style burners are adjustable via pressure regulator to 250,000 Btu maximum each and can be installed in either single or dual burner configurations
All burner kits include thermostatic controls in a Nema enclosure, auto ignition, adjustable regulator/pressure gauge, manual on/off valve, feed hose and POL fittings.
Requires a 12 volt power source

Diesel Fired Burner(s):

Simple, yet cost effective and efficient to use
Two burner systems to choose from: One system rated at 250,000 Btu (single burner) and one system rated at 500,000 Btu maximum (dual burner)
System includes burner assembly, thirty (30) gallon fuel tank, thermostatic controls in a Nema enclosure, auto ignite system with 100% outfire control and flame sensing photo eye
Requires a 12 volt power source

Optional Equipment and Accessories

Self-Contained Hydraulic Driven Power Spray:

Ideal for patch work, crack filling and seal coating applications. Includes it's own self-contained power source which consists of a heavy duty gasoline engine, hydraulic pump, hydraulic oil reservoir and return line filter assembly, flow control for controlling pump speed, a single spool hydraulic valve controls asphalt pump with neutral detent for stopping pump, pump engage for spraying and pump reverse for system clean-out.

Remote Hydraulic Driven Power Spray:

Used for the same applications as above, but asphalt pump is driven by an outside hydraulic power source such as a hydraulic power source from towing vehicle. System includes a heavy duty asphalt pump and hydraulic drive motor, flow control for controlling pump speed, a single spool hydraulic valve controls asphalt pump with neutral detent for stopping pump, pump engage for spraying and pump reverse for system clean-out.

(Note: Hydraulic power source must be capable of providing 10 GPM @ 1500 PSI continuous for operation).

Electric Flow Control Valve:

Particularly useful with a rear spray bar, this electricly controlled flow valve and pendant with 12 ft cord allows the operator to be out of the way of the material spray and still adjust the application rate or even pause spraying.

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Additional Optional Equipment and Accessories

8 Foot Rear Spray Bar Assembly:

8 foot rear spray bar assembly adds on to any power spray unit. Includes spray bar, fan type spray nozzles on/off valves for individual nozzles and on/off valve for complete bar.

Entire spray bar adjustable vertically up and down 4 inches for adjustment of spray pattern.

Available on models 166 through 555. **(Requires a power spray option)**

12 Foot Rear Spray Bar Assembly:

One 8 foot rear center and two folding 24 inch outside spray bar assemblies. Add on to any high flow power spray unit. Includes spray bar with internal recirculating/heating tube, fan type spray nozzles, on/off valves for individual nozzles, on/off valves for complete bar sections, and 3 way valve for spray / recirculate selection.

Entire spray bar adjustable vertically up and down 4 inches for adjustment of spray pattern.

Available on model 333, 444 and 555 only. **(Requires PS2-K or PS3-K power spray option)**