

FP5

BERGKAMP

PAVEMENT PRESERVATION SOLUTIONS



FP5 FLAMELESS POTHOLE PATCHER

Improve your pavement maintenance capabilities
while minimizing your operating costs.

(800) 283-7226 • www.bergkampinc.com

Outperforms The Competition

With Proven Electric-Heating System

Bergkamp's Flameless Pothole Patcher provides a complete, long-lasting approach to pothole repair that cannot be matched by other pothole patching methods. It is the first design to use on-board electric power, and has a well-established, proven track record.

The electric-heating system eliminates maintenance of hot oil systems and frequent refills of propane common with other patchers. The flameless pothole patcher has a hydraulic AC generator that helps maintain consistent material heating. The truck-mounted unit receives power from the truck's engine through the live PTO and can run irrespective of its RPMs or speed.

The electric-heating system keeps the hot mix at the proper temperature at all times – eliminating wasted hot mix lost overnight or over the weekend. The unit can also be plugged in to heat the mix during non-working hours. A crew can load hot mix late in the day, when lines at the asphalt plant are shorter, and be ready to start the next morning.

Factory-trained technicians will provide instruction for operating and maintaining the flameless pothole patcher along with a complete, easy-to-understand manual. This allows customers to operate the unit proficiently within only a few hours.



Optional Patented Swing Auger System

Great for shoulder and large utility repairs and fixing multiple potholes from one location.

Unique Features Cut Costs & Improve Efficiency

- **5.1 yd³ Insulated Hopper** – The insulated hopper and bin doors maintain uniform heat, prevent wasted material and eliminate areas where mix can harden. Hydraulically powered steel hopper doors save loading time and reduce personal contact with the mix.
- **Self-Cleaning, Air-Assisted Tack Coat System** – The dual-purpose wand allows the operator to blow debris out of the pothole and evenly spray emulsion. Tack coat material is returned from the supply line to the storage tank, cleaning the wand tip and line, and agitating the emulsion within the tank. This eliminates clogging and the use of troublesome pumps.
- **Rear & Curbside Spoils Bins** – Save unnecessary steps and increase safety by keeping the crew out of traffic.
- **Large Access Platform** – Provides safe and easy access to the hopper, more convenient filling of storage tanks and easier maintenance.
- **Insulated Tack Coat Storage Tank** – An electric-heating band around the outside of the tank eliminates damage to the emulsion and provides a gentle, indirect heating of water-based emulsions.
 - **Cleaning Fluid System** – Plumbed into the tack coat system for flushing of the line and spray wand while cleaning tank, pump, hose, hopper walls and hand tools.

Aftermarket Support You Can Count On

Bergkamp maintains an extensive, computer-managed parts inventory, offers a complete list of replacement parts in the user manual, and works one-on-one with each customer.

Next-day delivery of most replacement parts is available within the United States. Support is also available around the world.

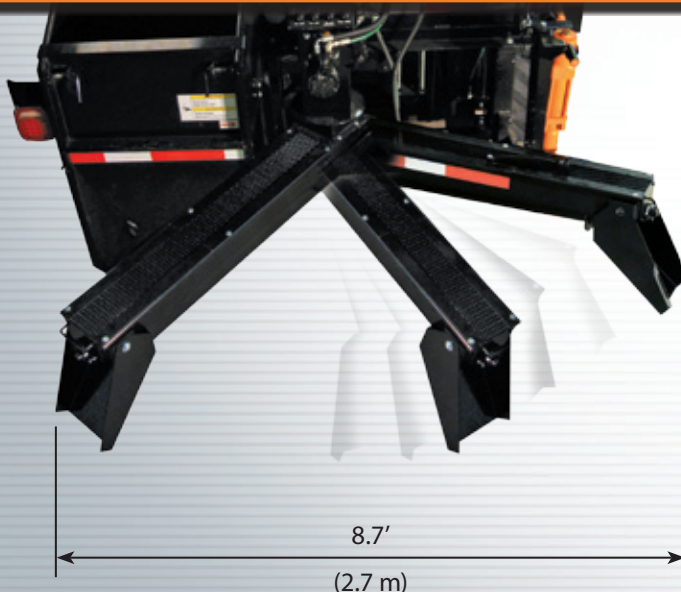
Bergkamp's proven support team can easily be reached by telephone, fax or email to keep your equipment operating at its peak productivity levels.



Standard Features Deliver More

The flameless pothole patcher has a variety of features that provide safety and the extra production capabilities that lower operating costs. Its pavement breaker and compaction plate are strategically placed for easy handling to reduce the risk of back injuries. Two gravity dump spoils bins, rear- and curbside-mounted, save time and provide extra storage. For added safety, the agitator and auger shut down when the hopper doors are open.

Bergkamp's Flameless Pothole Patcher provides the total package for pothole repairs that will last for years. Traditional 'throw and go' methods often deteriorate and require additional repairs. The flameless technology lowers material costs by electrically maintaining proper hot mix temperatures, helping to eliminate material waste and ensuring a more permanent patch.



Optional Equipment:

- Patented Swing Auger System (shown left)
- InPave™ Production Reporting System
- Secondary auger motor
- LED lights
- Upgraded arrow boards
- Single-drum vibratory roller
- Traffic cone holders
- Shovel and asphalt lute holder
- Sand spreader
- Front cleaning fluid hand sprayer
- Propane hand torch
- Various sizes of pavement breaking hammers and attachments

At A Glance

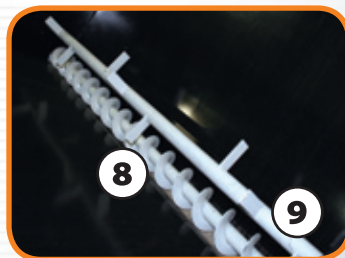
The flameless pothole patcher can be mounted on most standard and hooklift 35,000 GVW single-axle trucks.

- A.** Rear-mounted, swivel material chute
- B.** Hydraulic lift platform lowers the compactor and pavement breaker to the ground
- C.** Controls are located on curbside for easy access and safety
- D.** Curbside-mounted gravity dump spoils bin
- E.** Large access platform to reach the hopper and material tanks
- F.** Short wheelbase provides tighter turning radius



How It Works

A screw conveyor feeds the patching mix from the hopper into the pothole through a rear-mounted chute. The hopper agitator assures a constant supply of mix to the screw conveyor. The full length of the hopper is insulated and electrically heated with thermostatically controlled electric heating elements – used during working and non-working hours to keep the mix at the right temperature.



- 1.** Temperature control panel
- 2.** Insulated tack coat storage tank – heated indirectly by electric-heating band
- 3.** Hydraulic AC generator is powered by the truck's engine
- 4.** Insulated 5.1 yd³ (3.9 m³) electrically heated hopper with hydraulically powered steel doors
- 5.** Lockable toolbox runs full length of hopper
- 6.** Directional arrow lights (upgrades available)
- 7.** Rear-mounted gravity dump spoils bin
- 8.** Screw conveyor delivers mix to the material chute
- 9.** Hopper agitator reduces bridging

Some units shown with optional equipment.

THE ALL-IN-ONE PROCESS

Safe, Efficient, Permanent



1 The hammer & compactor are hydraulically lowered to reduce back injuries, while easy-to-access operator controls at the rear curbside increase operator safety.



2 Uniform, vertical edges are cut by the hydraulic pavement breaker for a better patch.



3 Rear-mounted spoils bin allows safe, easy loading of wastes without extra time and steps.



4 Unique dual-purpose, air-powered wand blows pothole clean.



5 The same air-powered wand sprays the tack coat evenly.



6 Mix is delivered from the hopper through a rear-mounted swiveling chute, which also folds into a shoveling platform.



7 Vibrating compactor (or optional single-drum roller) quickly compacts the mix to the necessary density.



8 The finished permanent patch will provide years of service.

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PAVEMENT PRESERVATION SOLUTIONS

Providing Pavement Preservation Solutions Worldwide

Bergkamp Inc. has been an expert in pavement maintenance equipment for more than 35 years, and works with customers throughout the world. The company's success continues to grow through hands-on knowledge of the industry and its products, and the company's dedication to customer support.

Bergkamp is the only manufacturer to produce a full-size continuous slurry seal and micro surfacing paver. It also designs and manufactures a full line of truck- and trailer-mounted slurry seal and micro surfacing pavers and equipment, along with truck-mounted flameless pothole patchers.

Contact Bergkamp today to find cost-effective solutions for extending the life of highways, roads and parking lots.

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Spreader Boxes



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Mobile Support Units



A3000 Paver



Flameless Pothole Patcher