



PATCHING &
MAINTENANCE

Pothole
Patchers

BERGKAMP

PAVEMENT PRESERVATION SOLUTIONS



Pothole Patching Solutions



Improve your pavement maintenance capabilities
while minimizing your operating costs.

(785) 825-1375 • www.bergkampinc.com

The Bergkamp Advantage

Bergkamp brings together the best options in pothole patching solutions for government agencies and contractors worldwide. We offer a complete line of truck- and trailer-mounted spray injection patchers and the proven truck-mounted all-in-one FP5 Flameless. For more than 40 years, Bergkamp has manufactured tough, reliable and high-quality pavement maintenance equipment that combines the latest in technology with process efficiencies that deliver great results at a reasonable cost.

While working closely with our customers, Bergkamp has invested heavily in research and development. In this way, we continually improve the quality and reliability of our products while keeping costs low to provide truly superior value to our customers. We are exclusively focused on manufacturing high-quality equipment that we consistently test in a variety of conditions and applications to ensure long-term reliability.

Every piece of our equipment is also backed by an experienced technical support staff and extensive parts inventory. In addition, each delivery comes complete with application, operation and maintenance training, as well as comprehensive parts and operation manuals. This ensures that every startup is smooth and trouble-free. Once you are comfortable with the operation and functions of your equipment, our experienced support staff is as close as a telephone call away.

Continually Improving Patching Solutions

- More than 40 years of experience engineering and manufacturing pavement maintenance equipment.
- Industry leader in proven flameless pothole patcher technology.
- Exclusive dual chamber spray injection pothole patchers meet different patching requirements in one unit.
- Extensive service and equipment training available.

Proud Member Of:



Equipment For Successful Pothole Repair & Management

SP Series—Spray Injection Pothole Patchers

The SP Series of spray injection pothole patchers provide a quick, simple patching solution. Bergkamp offers units with 5.0 and 7.5 yd³ (3.8 and 5.7 m³) hopper capacities, which are available as truck- or trailer-mounted units. Remote control versions are operated from the truck cab and manual versions are controlled by the operator on the ground.



FP5—Flameless Pothole Patcher

The all-in-one FP5 Flameless Pothole Patcher reduces material waste with its insulated 5.1 yd³ (3.9 m³) electric-heated hopper by keeping asphalt at a constant temperature for an extended period of time. The standard material chute, optional swing auger, spoils bins and tools can be easily accessed from the back or curbside of the machine, so the operator can safely reach them without stepping into traffic.



Solutions That Match Your Patching Process



Spray Injection Patcher Process



All-In-One Patching Process

The SP Series: Patching Made Safer & Easier

The Bergkamp SP Series provides a simple, quick pothole repair using the less invasive spray injection patching process that is designed to blow out and repair potholes in minutes—returning vehicles to the area sooner and minimizing traffic flow disturbances.

The SP Series is equipped with dual aggregate hoppers, an industry exclusive, to carry and distribute two different gradations of aggregate, allowing for more effective repair of different size potholes.

Two sizes and many different configurations and mounting options to fit your patching and fleet requirements.

Bergkamp truck-mounted spray injection patchers are operated safely at the front of the unit, utilizing industry-leading front-mounted working boom technology. Units with joystick control provide full operator control from the truck cab or from the ground with a remote-control system. Manual-control units provide significant savings while offering full operator control from the ground in front of the truck. This feature also allows the working boom to be mounted on an existing fleet chassis with no need for special chassis configurations.

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



SP Series Capacities

	Aggregate*	Asphalt Emulsion	Water Tank System (optional)
SP5	5.0 yd ³ (3.8 m ³)	264 gal. (1,000 L)	55 gal. (210 L)

*Struck capacity

Features Of The SP Series



Front-Mounted Working Boom—Two-piece folding boom delivers a large working radius and nozzle flexibility, delivering precise control when drying, cleaning and filling potholes.



Dual Aggregates Hopper—An industry-exclusive standard feature, dual chambers carry and distribute two different gradations of aggregate to allow for more effective repair of different-sized potholes.



Operator Controls—Both automatic and manual controls have been developed with the operator in mind to make pothole repair controllable, fatigue-free and more efficient.



Asphalt Emulsion Injection Nozzles—Three injectors in the nozzle guarantee homogeneous aggregate coverage and high-quality, durable pothole repairs.



Dismountable Configuration—Exclusive dismountable configuration allows you to use the truck for other applications when not patching.



Optional Equipment

- LED lights
- Upgraded arrow boards
- Traffic cone holders
- Shovel and asphalt lute holder

The FP5: Proven Design Technology

With its proven electric-heating system, Bergkamp's FP5 Flameless Pothole Patcher provides a complete, long-lasting approach to pothole repairs, using the all-in-one patching process. It is the first design to use onboard electric power, and has a well-established, proven track record. 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 therefore the power stays on at all engine or travel speeds.

The electric-heating system keeps the hot mix at the proper temperature at all times. Simply plugging in the unit to heat the mix during non-working hours eliminates wasted hot mix lost overnight or on weekends. 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.

The Flameless Pothole Patcher has a variety of features that provide both safety and the extra production capabilities that lower operating costs. Its pavement breaker and compaction plate or roller are strategically placed for easy handling and can be hydraulically lowered to ground level for easy access. Two gravity dump spoils bin, 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.

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.

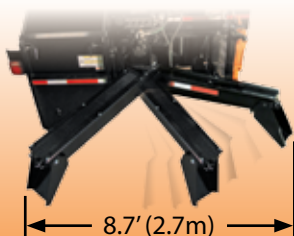
Bergkamp offers many advanced options for the Flameless Pothole Patcher to meet your needs and increase your efficiencies, including: a patented swing auger system, sand spreader and additional compaction and arrow board choices.



FP5 Capacities

	Hopper	Emulsion Tank	Water Tank	Spoils Bin
FP5	5.1 yd ³ (3.9 m ³)	80.0 gal. (302.8 L) Opt. 120.0 gal. (454.2 L)	15.0 gal. (56.8 L)	Rear: 0.51 yd ³ (0.39 m ³) Side: 0.47 yd ³ (0.36 m ³)

FP5 Featured Options



Patented Swing Auger System

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



Sand Spreader

Evenly disperses sand to improve traction on roads during winter months.

Features Of The FP5



5.1 yd³ Insulated Hopper—Insulated hopper and bin doors maintain uniform heat, prevent wasted material and eliminate areas where mix can harden. Every flameless pothole patcher includes hydraulically powered steel hopper doors as standard equipment, saving loading time and reducing personal contact with the mix.

Self-Cleaning, Air-Assisted Tack Coat System—The dual-purpose wand allows the operator to both blow debris out of the pothole and evenly spray the asphalt emulsion by simply moving the valve on the wand.

Rear & Curbside Spoils Bins—Save unnecessary steps and increase safety by keeping the crew out of traffic. A convenient door folds down to lower shovel height to fill the bin. The gravity dump system assures easy and safe unloading of spoils.

Insulated Tack Coat 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.

Large Access Platform—Provides safe and easy access to the hopper, more convenient filling of storage tanks and easier maintenance.

Optional High-Torque Auger System—Includes a secondary auger motor that provides the ability to auger out stiff mixes.

Optional Equipment

- Patented Swing Auger System (shown left)
- High-Torque Auger System (shown right)
- LED lights
- Upgraded arrow boards
- Single-drum vibratory roller
- Shovel and asphalt lute holder
- Sand spreader (shown left)
- Front cleaning fluid
- hand spray wand
- Various sizes of pavement breakers and attachments
- Propane hand torch
- Work lights
- Flashers
- Cleaning fluid hose reel
- Spray wand hose reel
- Back up camera system
- Additional options on request



SP Series: Spray Injection Patcher Process

Bergkamp's SP Series provide a safe, simple and quick pothole repair using the spray injection patching process that is designed to completely fill and cover each pothole.

Blow high pressure air into the pothole to dry and clean the damaged area and ensure a good patch.

1



Spray the damaged area with asphalt emulsion, covering the cleaned bottom of the pothole and coating the cracks and edges around the pothole.

2



Fill the pothole completely with the homogeneous mixture of asphalt emulsion and the proper gradations of aggregate from one of the two chambers to match the characteristics of the pothole.

3



Cover the repaired pothole with clean and dry uncoated stones to form a protective surface.

4



The now complete pothole patch is ready for traffic.

5



Aftermarket Support You Can Count On

Provided by Bergkamp's Customer Business Unit

Bergkamp maintains a complete inventory of service and replacement parts for immediate shipment. Our parts and technical representatives are available to work with each customer on an individual basis and will provide expert recommendations. Same-day shipping is available, with next day service within most of the United States and priority service worldwide.

As an added service, our factory-trained technicians can inspect your patchers and perform a comprehensive diagnosis that clearly identifies problem areas and/or wear items that need attention. You can perform the maintenance yourself or have our dedicated team do the work.

The Bergkamp qualified product support team can be easily reached by telephone, email or fax to keep your equipment in peak operating condition.



FP5: All-In-One Patcher Process

Bergkamp's FP5 Flameless Pothole Patcher provides the total package with the all-in-one patching process to ensure more permanent pothole repairs that will last for years.

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

1



Unique dual-purpose, air-powered wand blows pothole clean. The same air-powered wand sprays the tack coat evenly.

2



Hot mix or cold mix asphalt is placed into the repair area by the standard chute or optional swing auger.

3



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

4



The now complete pothole patch is ready for traffic.

5



BEST: Bergkamp Equipment Service Technology

Through BEST (Bergkamp Equipment Service Technology), Bergkamp's CBU offers 24/7 assistance and online parts ordering providing support before, during and after the sale for a truly **COMPLETE SOLUTION**.



ONLINE ACCESS!

1. Parts Ordering
2. Parts/Operators' Manuals
3. Technical Documents
4. Training Videos
4. Service Bulletins
5. And so much more

Always keeping your success in mind, our CBU Team ensures your equipment remains reliable and profitable throughout its lifecycle. Bergkamp's proven support team can easily be reached by calling (800) 283-7226, or email us directly at service@bergkampinc.com to keep your equipment operating at its highest productivity levels. Contact our CBU today with questions or requests.

BERGKAMP

PAVEMENT PRESERVATION SOLUTIONS

Providing Pavement Preservation Solutions Worldwide

Bergkamp Inc. has been an expert in pavement maintenance equipment for more than 40 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 in the industry 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. In addition, the company offers an all-in-one flameless pothole patcher and a series of spray injection pothole patchers for the market.

Bergkamp Bituminous Solutions is your source for a full range of asphalt emulsion mills and plants. We provide the highest quality equipment, solutions for your operations, and more than 40 years of experience. Bergkamp Inc. believes this level of support, based in the USA, will be beneficial to your operations.

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

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M310 Paver



M2 Truck Mounted Paver



M212 Truck Mounted Paver



M216 Trailer-Mounted Paver



Spreader Boxes



M1 Series Continuous Pavers



MS13 Mobile Support Unit



MAXX Frictional Mastic Surface Treatment Applicator



Flameless Pothole Patcher



SP Series Spray Injection Pothole Patchers

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