

PMH

ASPHALT PRE-MIX HEATER

- **Four sizes available from 1.3 to 3.0 cubic yard.**
- **Propane, Infrared, Diesel, or Electric Heating Systems.**
- **Heated Tack Tanks with pumping systems available.**



SPH 3.0 Shown with Propane Heating System

Used for heating and transporting all types of patching materials for pothole and street maintenance repairs.

For more information contact
Pavement Technologies International Corporation
(888) 999-2660

Optional 40 gallon Tack Tank available with a pumping system and a heated hose and spray wand that eliminates hose freeze-up and all flushing operations. (not shown)

Large insulated covers open wide to a "funnel" shape for easy loading. Configured in your choice of side or rear loading design.

Extra Heavy Duty 16 gage outer insulation cover resists damage, dents, and corrosion to keep your equipment looking new.

Rectangular tubing frame provides the strength to handle the roughest abuse.

Available large fuel tank capacities or dual LP bottle racks allow un-interrupted production.

Available digital electronic temperature controls are accurate and easy to read. Enclosed in a weather tight compartment with see-through cover for ease of operation.

The height of the shoveling plate allows for easy dispensing of hot patch material.

2" of high temperature fiberglass insulation on the sides, bottom, and top for high efficiency heat retention.

Available shovel cleaning compartment located in an easy-to-use location.

Combustion chamber engineered with a center heat riser for maximum efficiency and faster heat-up times. Helps eliminate material bridging

The Stepp Trailer Mounted SPH is the perfect blend of performance and economy for your pot-hole patching needs and budget. *Performance, Durability, and Economy*, that's what puts us above the rest.

Check out these design benefits !

- Sizes available: 1.3, 2.0, 2.75, 3.0 cubic yard.
- Compactor Plate Carrier available with electric, hydraulic, or manual lift.
- Replaceable Stainless Steel Flue Liner is *inexpensive and reduces shovel plate "burnout".
- Electric overnight heaters are available to reduce start-up time and maintain heated material at temperature. Provides low density heat that will not scorch your material.
- Digital electronic thermostats for precise temperature control, safety, and easy low cost replacement.
- Heat riser in the center of the hopper puts the heat where its needed most. This design gives you faster heat-up times and helps eliminate material bridging.
- The sloped design of the hopper allows the material to "flow" to the shovel platform for easy dispensing.
- Oil Jacketed heating and auger dispensing systems also available in trailer or truck mounted style.

SPH Pre-Mix Heater - Trailer Mounted - Pr

SPH-1.3	POR
SPH-2.0	POR
SPH-2.75	POR
SPH-3.0	POR
SPH-3.0-OJP	POR

OPTIONAL EQUIPMENT PRICE LIST

Constant Ignition	POR
Spark Ignition with Battery	POR
Automatic Controls (<i>Hopper or Tack Tank</i>)	POR
Duel Automatic Controls (<i>Hopper and Tack Tank</i>)	POR
Heated/Insulated Tack Tank (<i>for electric heated units only</i>)	POR
Heated/Insulated Tack Tank	POR
Unheated Tack Tank	POR
Diesel Engine	POR
Pumping System w/Fluid Drive (<i>10 HP</i>)	POR
Electric Spray Wand Attachment	POR
Heated 15' Hose with Steel Wand	POR
Heated 20' Hose with Steel Wand	POR
Aluminum Wand	POR
Shovel Cleaning Compartment	POR
LP Bottle Rack	POR
Mounted LP Bottle	POR
Electric Brakes (<i>Single Axle</i>)	POR
Electric Brakes (<i>Tandem Axle</i>)	POR
Hydraulic Surge Brakes (<i>Single Axle</i>)	POR
Hydraulic Surge Brakes (<i>Tandem Axle</i>)	POR
Tool Box	POR
Lights	POR
Compactor Plate Carrier	POR
Arrow Board.	POR
Strobe Light	POR
Water Tank - 15 Gallon Plastic.	POR

HEATING SYSTEM SELECTION

Direct Fired	Standard
Infra-Red	POR
Electric Heat (<i>Plus Generator</i>)	POR
*Diesel Burner (<i>Tack Tank</i>)	POR
Diesel Burner (<i>Hopper</i>)	POR

GENERATOR SELECTION

Gas - 45kW	POR
Gas - 60kW	POR
Gas - 90kW	POR
Diesel/5500 Watt Yanmar engine	POR

Pre-Mix Heater

Model SPH-1.3



For heating, hauling, and storage of bituminous mix for road repair.

HOPPER: Hopper shall be triple wall construction, constructed of 12 gauge material with 7 gauge shoveling plate with full width opening for shoveling platform. To have 12 gauge heat jacket with type 309 stainless steel heat defuser, insulated with 2" of 1½# density hi-temperature fiberglass insulation with a 16 gauge outside cover. Unit will be covered with two (2) 16 gauge steel insulated hoods, opening to form a funnel into the heating hopper.

TRAILER: To be A-frame style constructed of 4 x 2 x 11 gauge high strength rectangular steel tubing reinforced at all stress points. Shall be equipped with a 6000# leaf spring axle, 9.50 16.5 10 ply tires, heavy duty 12 gauge steel fenders, adjustable pintle hitch, adjustable from 28" to 34", and adjustable screwjack.

PAINT: Unit shall be primed with red oxide primer and painted highway orange, minimum 5 mil.

MANUALS: Two (2) sets of operators manuals and parts books per unit.

WARRANTY: One (1) year on parts and workmanship. Component parts manufacturers warranty prevails. All components as specified or equal.

HEATING SYSTEM:

- DIRECT FIRED:** Hopper will be heated by a 150,000 BTU Liquid LP Burner with regulator, pressure gauge, burner control valve, hose, lighting wand, and necessary fittings.
- INFRARED BURNER:** Unit shall be heated by three (3) infrared heaters having a 15,000 BTU output. Unit will have a lighting wand.
- ELECTRIC HEAT:** Hopper to be equipped with two (2) 3" dial flues located approximately 1/3 the distance from the shoveling plate to the top of the hopper and 1/3 from each side of hopper. Each flue will have 750 watt, 120 volt tubular heat elements. Shoveling platform to be equipped with three (3) 500 watt, 120 volt thin cast strip heaters. The strip heaters to be spaced equally across the shoveling platform in the air jacket space around the hopper to provide even heat on platform and sides of hopper, for a total of 3000 watts. The automatic control to be divided into two (2) zones. Zone 1 - flue area, zone 2 - shovel platform. Each zone to have separate temperature control and 10' of 12/3 extension cord with standard 20 amp plug. The system is divided into two (2) zones to prevent over loading of shop electrical system. A service of 125% of rated capacity is required for restraint heat. Each zone draws 12.5 amps plus 125% equaling 15.6 amps for each zone for a total of 31.25 amps.
- DIESEL:** Unit shall include a 12 volt Beckett diesel burner. Shall include electronic spark ignition and blower. To be located in the front, bottom of heating hopper. Burn chamber to be approximately lined and sized to specifications of the burner. A thirty (30) gallon fuel tank shall be included. Unit must include a 12 volt battery and battery isolator. 12 volt power must be maintained from the tow vehicle at all times. Burner shall be rated at 120,000 BTU's.

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Available Options

- CONSTANT IGNITION:** Consists of pilot light, thermocoupling, and Baso safety valve. If pilot light is extinguished, gas supply is automatically shut off.
- SPARK IGNITION:** Spark ignition and electronic flame out system. Electronic senses flame, if flame is extinguished, gas supply is shut off.
- AUTOMATIC CONTROLS:** To monitor temperature of material in hopper and tack tank and automatically control LP burner. Automatic control system includes constant ignition system or spark ignition system with battery, battery box and isolator.
- UNHEATED TACK TANK:** Same as heated tack tank without heating system.
- HEATED TACK TANK:** Unit will be equipped with a heated tack tank with a capacity of 40 gallons. To have a 6" fill cap. Heating is done by a flue system running the entire length of the bottom of the tank to a vertical exhaust stack. Will be heated by a 75,000 BTU burner. Will have a 2" molasses gate valve for draining the tank. Heated tack tank to be insulated with 2" of 1 1/2# hi-temperature fiberglass insulation with 16 gauge outside cover.
- HEATED TACK TANK (for electric heated units only):** Unit will be equipped with a heated tack tank with a capacity of 40 gallons. To have a 6" fill cap. Heating is done by a thermostatically controlled 120 volt 1500 watt electric heating element. Will have a 2" molasses gate valve for draining the tank and temperature gauge. Heated tack tank to be insulated with 2" of 1 1/2# hi-temperature fiberglass insulation with 16 gauge outside cover.
- ELECTRIC SPRAY WAND ATTACHMENT:** Consisting of a 3/4HP electric motor driving a F-32 Viking pump with a built in pressure relief valve. Suction line to have removable screen 3-way ball valve between kettle and pump to allow for flushing of pumping system. Shall be equipped with 15' of 3/4" flexible hose, with 5' hand held spray wand with quick operating valve, cool grip handles, hose rack and through tank wand holder to allow for circulating material through spray wand system when not in use. Pump will be equipped with an electric heating element.
- HEATED WAND:** Hose and wand shall be heated by a 12-24 electric heating element. One element located inside the wand and one located inside the hose. The heating element will be powered by a generator through a transformer.
- SHOVEL CLEANING COMPARTMENT:** Will be constructed of 16 gauge material with splash guard compartments, drain plug and rain tight cover.
- LP BOTTLE RACK:** Bottle rack to hold 100# LP bottle.
- MOUNTED LP BOTTLE:** 30 gallon LP tank with liquid withdrawal and contents gauge mounted to trailer.
- TOOL BOX:** Constructed of 14 gauge steel with cover and hasp 12" x 12" x 36".
- ELECTRIC BRAKES:** Axle to be equipped with 12 volt electric brakes wired in protective loom with 6 prong connector.
- BRAKE AWAY KIT:** Trailer brakes lock in case of accidental brake away from towing vehicle. Brakes are applied automatically and are wired to a 12 volt Group 24 battery.
- HYDRAULIC SURGE BRAKES:** Axle to be equipped with hydraulic brakes and surge actuator with brake away protection.
- LIGHTS:** Combination stop, turn, and clearance lights with license plate bracket wired in a protective loom with 4 prong connector.
- STROBE LIGHT:** 12 volt powered.
- ARROW BOARD:** 12 volt powered directional arrow.
- COMPACTOR PLATE CARRIER:** Located on rear of unit for raising and lowering Compactor Plate.
- WATER TANK:** 15 gallon plastic water tank for use with the Compact Plate Carrier Option.

Generator Selection

- GAS (45kW):** Unit to be equipped with a gas driven generator. Winco, model DL4500, 4500 watt capacity. Eight (8) horsepower Briggs & Stratton IC Engine with low oil shut down and roll cage.
- GAS (60kW):** Unit to be equipped with a gas driven generator. Winco, model DL6000, six thousand (6000) watt capacity. Eleven (11) horsepower Briggs & Stratton IC Engine with low oil shut down and roll cage. The generator also includes electric start, battery, lockable battery box, and auto engine idle.
- GAS (90kW):** Unit to be equipped with a gas driven generator. Winco, model DL9000, nine thousand (9000) watt capacity. Sixteen (16) horsepower Vanguard Engine with low oil shut down and roll cage. The generator also includes electric start, battery, lockable battery box, and auto engine idle.
- DIESEL:** Unit to be equipped with a diesel driven generator. A Robin Model RGD 351 three thousand seven hundred (3700) watt capacity. With electric starter and battery.

Pre-Mix Heater

Model SPH-2.0



For heating, hauling and storage of bituminous mix for road repair.

HOPPER: Hopper shall be triple wall construction, constructed of 10 gauge material with 7 gauge (.188") shoveling plate with full width rear access opening for shoveling platform. To have 12 gauge heat jacket with type 309 stainless steel diffuser. Insulated with 2" of 1½# density hi-temperature fiberglass insulation with a 16 gauge outside cover. Unit will be covered with two (2) 16 gauge steel insulated hoods, opening to form a funnel into the heating hopper.

TRAILER: To be a-frame style constructed of 5 x 2 x 11 gauge high strength rectangular steel tubing reinforced at all stress points. Shall be equipped with a tandem 6000# leaf spring axle, 700 x 15 six (6) ply tires, heavy duty 12 gauge steel fenders, adjustable pintle hitch, adjustable from 28" to 34" and adjustable screwjack.

PAINT: Unit shall be primed with red oxide primer and painted highway orange, minimum 5 mil.

MANUALS: Two (2) sets of operators manuals and parts books per unit.

WARRANTY: One (1) year on parts and workmanship. component parts manufacturers warranty prevail. All component parts as specified or equal.

HEATING SYSTEM:

- DIRECT FIRED:** Hopper will be heated by a 250,000 BTU Liquid LP Burner with regulator, pressure gauge, burner control valve, hose, lighting wand, and all necessary fittings.
- INFRA-RED BURNER:** Unit shall be heated by three (3) infra-red heaters having a 15,000 BTU output. Unit will have a lighting wand.
- ELECTRIC HEAT:** Hopper to be equipped with two (2) 3" dial flues located approximately 1/3 the distance from the shoveling plate to the top of the hopper and 1/3 from each side of hopper. Each flue will have 750 watt, 120 volt tubular heat elements. Shoveling platform to be equipped with three (3) 500 watt, 120 volt thin cast strip heaters. The strip heaters to be spaced equally across the shoveling platform in the air jacket space around the hopper to provide even heat on platform and sides of hopper, for a total of 3000 watts. the automatic control to be divided into two (2) zones. Zone 1 - flue area, zone 2 - shovel platform. Each zone to have separate temperature control and 10' of 12/3 extension cord with standard 20 amp plug. The system is divided into two (2) zones to prevent over loading of shop electrical system. A service of 125% of rated capacity is required for restraint heat. Each zone draws 12.5 amps plus 125% equaling 15.6 amps for each zone for a total of 31.25 amps.
- DIESEL:** Unit shall include a 12 volt Beckett diesel burner. Shall include electronic spark ignition and blower. To be located in the front, bottom of heating hopper. Burn chamber to be approximately lined and sized to specifications of the burner. A thirty (30) gallon fuel tank shall be included. Unit must include a 12 volt battery and battery isolator. 12 volt power must be maintained from the tow vehicle at all times. Burner shall be rated at 120,000 BTU's.

For more information contact

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Available Options

- CONSTANT IGNITION:** Consists of pilot light, thermocoupling, and Baso safety valve. If pilot light is extinguished, gas supply is automatically shut off.
- SPARK IGNITION:** Spark ignition and electronic flame out system. Electronic senses flame, if flame is extinguished, gas supply is shut off.
- AUTOMATIC CONTROLS:** To monitor temperature of material in hopper and tack tank and automatically control LP burner. Automatic control system includes constant ignition system or spark ignition system with battery, battery box and isolator.
- UNHEATED TACK TANK:** Same as heated tack tank without heating system.
- HEATED TACK TANK:** Unit will be equipped with a heated tack tank with a capacity of 40 gallons. To have a 6" fill cap. Heating is done by a flue system running the entire length of the bottom of the tank to a vertical exhaust stack. Will be heated by a 75,000 BTU burner. Will have a 2" molasses gate valve for draining the tank. Heated tack tank to be insulated with 2" of 1 1/2# hi-temperature fiberglass insulation with 16 gauge outside cover.
- HEATED TACK TANK (for electric heated units only):** Unit will be equipped with a heated tack tank with a capacity of 40gallons. To have a 6" fill cap. Heating is done by a thermostatically controlled 120 volt 1500 watt electric heating element. Will have a 2" molasses gate valve for draining the tank and temperature gauge. Heated tack tank to be insulated with 2" of 1 1/2# hi-temperature fiberglass insulation with 16 gauge outside cover.
- ELECTRIC SPRAY WAND ATTACHMENT:** Consisting of a 3/4HP electric motor driving a F-32 Viking pump with a built in pressure relief valve. Suction line to have removable screen 3-way ball valve between kettle and pump to allow for flushing of pumping system. Shall be equipped with 15' of 3/4" flexible hose, with 5' hand held spray wand with quick operating valve, cool grip handles, hose rack and through tank wand holder to allow for circulating material through spray wand system when not in use. Pump will be equipped with an electric heating element.
- LP BOTTLE RACK:** Bottle rack to hold 100# LP bottle.
- MOUNTED LP BOTTLE:** 30 gallon LP tank with liquid withdrawal and contents gauge mounted to trailer.
- TOOL BOX:** Constructed of 14 gauge steel with cover and hasp 12" x 12" x 36".
- ELECTRIC BRAKES:** Axle to be equipped with 12 volt electric brakes wired in protective loom with 6 prong connector.
- HEATED WAND:** Hose and wand shall be heated by a 12- 24 electric heating element. One element located inside the wand and one located inside the hose. The heating element will be powered by a generator through a trans former.
- SHOVEL CLEANING COMPARTMENT:** Will be constructed of 16 gauge material with splash guard compartments, drain plug and rain tight cover.
- BRAKE AWAY KIT:** Trailer brakes lock in case of accidental brake away from towing vehicle. Brakes are applied automatically and are wired to a 12 volt Group 24 battery.
- HYDRAULIC SURGE BRAKES:** Axle to be equipped with hydraulic brakes and surge actuator with brake away protection.
- LIGHTS:** Combination stop, turn, and clearance lights with license plate bracket wired in a protective loom with 4 prong connector.
- STROBE LIGHT:** 12 volt powered.
- ARROW BOARD:** 12 volt powered directional arrow.
- COMPACTOR PLATE CARRIER:** Located on rear of unit for raising and lowering Compactor Plate.
- WATER TANK:** 15 gallon plastic water tank for use with the Compact Plate Carrier Option.

Generator Selection

- GAS (45kW):** Unit to be equipped with a gas driven generator. Winco, model DL4500, 4500 watt capacity. Eight (8) horsepower Briggs & Stratton IC Engine with low oil shutdown and roll cage.
- GAS (60kW):** Unit to be equipped with a gas driven generator. Winco, model DL6000, six thousand (6000) watt capacity. Eleven (11) horsepower Briggs & Stratton IC Engine with low oil shut down and roll cage. The generator also includes electric start, battery, lockable battery box, and auto engine idle.
- GAS (90kW):** Unit to be equipped with a gas driven generator. Winco, model DL9000, nine thousand (9000) watt capacity. Sixteen (16) horsepower Vanguard Engine with low oil shut down and roll cage. The generator also includes electric start, battery, lockable battery box, and auto engine idle.
- DIESEL:** Unit to be equipped with a diesel driven generator. A Robin Model RGD 351 three thousand seven hundred (3700) watt capacity. With electric starter and battery.

Pre-Mix Heater

Model SPH-2.75



For heating, hauling, and storage of bituminous mix for road repair.

HOPPER: Hopper shall be triple wall construction, constructed of 10 gauge material with 7 gauge shoveling plate and full width opening for shoveling platform. To have 12 gauge heat jacket with type 309 stainless steel heat defuser, insulated with 2" of 1½# density hi-temperature fiberglass insulation with a 16 gauge outside cover. Unit will be covered with two (2) 16 gauge steel insulated hoods, opening to form a funnel into the heating hopper.

TRAILER: To be A-frame style constructed of 6 x 2 x 7 gauge high strength rectangular steel tubing reinforced at all stress points. Shall be equipped with a tandem 6000# leaf spring axle, 12.0 x 16.5 ten (10) ply tires, heavy duty 12 gauge steel fenders, adjustable pintle hitch, adjustable from 28" to 34" and adjustable screwjack.

PAINT: Unit shall be primed with red oxide primer and painted highway orange, minimum 5 mil.

MANUALS: Two (2) sets of operators manuals and parts books per unit.

WARRANTY: One (1) year on parts and workmanship. Component parts manufacturers warranty prevails.

All component parts as specified or equal.

HEATING SYSTEM:

- DIRECT FIRED:** Hopper will be heated by a 500,000 BTU Liquid LP Burner with regulator, pressure gauge, burner control valve, hose, lighting wand and necessary fittings.
- INFRA-RED BURNER:** Unit shall be heated by five (5) infra-red heaters having a 20,000 BTU output for a total of 100,000 BTU's. Hopper to be equipped with heat riser to allow center of the material to be heated at the same rate as the rest of the material. Unit will have a lighting wand.
- ELECTRIC HEAT:** Hopper to be equipped with two (2) 3" dial flues located approximately 1/3 the distance from the shoveling plate to the top of the hopper and 1/3 from each side of hopper. Each flue will have 750 watt, 120 volt tubular heat elements. Shoveling platform to be equipped with three (3) 500 watt, 120 volt thin cast strip heaters. The strip heaters to be spaced equally across the shoveling platform in the air jacket space around the hopper to provide even heat on platform and sides of hopper, for a total of 3000 watts. The automatic control to be divided into two (2) zones. Zone 1 - flue area, zone 2 - shovel platform. Each zone to have separate temperature control and 10' of 12/3 extension cord with standard 20 amp plug. The system is divided into two (2) zones to prevent over loading of shop electrical system. A service of 125% of rated capacity is required for restraint heat. Each zone draws 12.5 amps plus 125% equaling 15.6 amps for each zone for a total of 31.25 amps.
- DIESEL:** Unit shall include a 12 volt Beckett diesel burner. Shall include electronic spark ignition and blower. To be located in the front, bottom of heating hopper. Burn chamber to be approximately lined and sized to specifications of the burner. A thirty (30) gallon fuel tank shall be included. Unit must include a 12 volt battery and battery isolator. 12 volt power must be maintained from the tow vehicle at all times. Burner shall be rated at 120,000 BTU's.

Available Options

- CONSTANT IGNITION:** Consists of pilot light, thermocoupling, and Baso safety valve. If pilot light is extinguished, gas supply is automatically shut off.
- SPARK IGNITION:** Spark ignition and electronic flame out system. Electronic senses flame, if flame is extinguished, gas supply is shut off.
- AUTOMATIC CONTROLS:** To monitor temperature of material in hopper and tack tank and automatically control LP burner. Automatic control system includes constant ignition system or spark ignition system with battery, battery box and isolator.
- UNHEATED TACK TANK:** Same as heated tack tank without heating system.
- HEATED TACK TANK:** Unit will be equipped with a heated tack tank with a capacity of 40 gallons. To have a 6" fill cap. Heating is done by a flue system running the entire length of the bottom of the tank to a vertical exhaust stack. Will be heated by a 75,000 BTU burner. Will have a 2" molasses gate valve for draining the tank. Heated tack tank to be insulated with 2" of 1 1/2# hi-temperature fiberglass insulation with 16 gauge outside cover.
- HEATED TACK TANK (for electric heated units only):** Unit will be equipped with a heated tack tank with a capacity of 40gallons. To have a 6" fill cap. Heating is done by a thermostatically controlled 120 volt 1500 watt electric heating element. Will have a 2" molasses gate valve for draining the tank and temperature gauge. Heated tack tank to be insulated with 2" of 1 1/2# hi-temperature fiberglass insulation with 16 gauge outside cover.
- ELECTRIC SPRAY WAND ATTACHMENT:** Consisting of a 3/4HP electric motor driving a F-32 Viking pump with a built in pressure relief valve. Suction line to have removable screen 3-way ball valve between kettle and pump to allow for flushing of pumping system. Shall be equipped with 15' of 3/4" flexible hose, with 5' hand held spray wand with quick operating valve, cool grip handles, hose rack and through tank wand holder to allow for circulating material through spray wand system when not in use. Pump will be equipped with an electric heating element.
- HEATED WAND:** Hose and wand shall be heated by a 12-24 electric heating element. One element located inside the wand and one located inside the hose. The heating element will be powered by a generator through a transformer.
- SHOVEL CLEANING COMPARTMENT:** Will be constructed of 16 gauge material with splash guard compartments, drain plug and rain tight cover.
- LP BOTTLE RACK:** Bottle rack to hold 100# LP bottle.
- MOUNTED LP BOTTLE:** 30 gallon LP tank with liquid withdrawal and contents gauge mounted to trailer.
- TOOL BOX:** Constructed of 14 gauge steel with cover and hasp 12" x 12" x 36".
- ELECTRIC BRAKES:** Axle to be equipped with 12 volt electric brakes wired in protective loom with 6 prong connector.
- BRAKE AWAY KIT:** Trailer brakes lock in case of accidental brake away from towing vehicle. Brakes are applied automatically and are wired to a 12 volt Group 24 battery.
- HYDRAULIC SURGE BRAKES:** Axle to be equipped with hydraulic brakes and surge actuator with brake away protection.
- LIGHTS:** Combination stop, turn, and clearance lights with license plate bracket wired in a protective loom with 4 prong connector.
- STROBE LIGHT:** 12 volt powered.
- ARROW BOARD:** 12 volt powered directional arrow.
- COMPACTOR PLATE CARRIER:** Located on rear of unit for raising and lowering Compactor Plate.
- WATER TANK:** 15 gallon plastic water tank for use with the Compact Plate Carrier Option.

Generator Selection

- GAS (45kW):** Unit to be equipped with a gas driven generator. Winco, model DL4500, 4500 watt capacity. Eight (8) horsepower Briggs & Stratton IC Engine with low oil shutdown and roll cage.
- GAS (60kW):** Unit to be equipped with a gas driven generator. Winco, model DL6000, six thousand (6000) watt capacity. Eleven (11) horsepower Briggs & Stratton IC Engine with low oil shut down and roll cage. The generator also includes electric start, battery, lockable battery box, and auto engine idle.
- GAS (90kW):** Unit to be equipped with a gas driven generator. Winco, model DL9000, nine thousand (9000) watt capacity. Sixteen (16) horsepower Vanguard Engine with low oil shut down and roll cage. The generator also includes electric start, battery, lockable battery box, and auto engine idle.
- DIESEL:** Unit to be equipped with a diesel driven generator. A Robin Model RGD 351 three thousand seven hundred (3700) watt capacity. With electric starter and battery.

Pre-Mix Heater

Model SPH-3.0

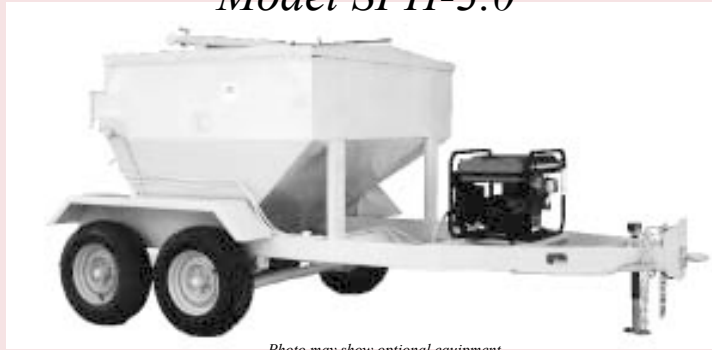


Photo may show optional equipment.

For heating, hauling, and storage of bituminous mix for road repair.

HOPPER: Hopper shall be triple wall construction, constructed of 10 gauge material with 7 gauge shoveling plate and full width opening for shoveling platform. To have 12 gauge heat jacket. Installed with 2" of 1 1/2# density hi-temperature fiberglass insulation with a 16 gauge outside cover. Unit will be covered with two (2) 16 gauge steel insulated hoods, opening to form a funnel into the heating hopper.

TRAILER: To be A-frame style constructed of 6 x 2 x 7 gauge high strength rectangular steel tubing reinforced at all stress points. Shall be equipped with a tandem 7000# leaf spring axle, 12.0 x 16.5 ten (10) ply tires, heavy duty 12 gauge steel fenders, adjustable pintle hitch, adjustable from 28" to 34" and adjustable screwjack.

PAINT: Unit shall be primed with red oxide primer and painted highway orange, minimum 5 mil.

MANUALS: Two (2) sets of operators manuals and parts books per unit.

WARRANTY: One (1) year on parts and workmanship. Component parts manufacturers warranty will prevail. Two (2) year warranty against burnout of heating chamber. All components as specified or equal.

HEATING SYSTEM:

- DIRECT FIRED:** Hopper will be heated by a 500,000 BTU Liquid LP Burner with regulator, pressure gauge, burner control valve, hose, lighting wand and necessary fittings.
- INFRARED BURNER:** Unit shall be heated by five (5) infrared heaters having a 20,000 BTU output for a total of 100,000 BTU's. Hopper to be equipped with heat riser to allow center of the material to be heated at the same rate as the rest of the material. Unit will have a lighting wand.
- ELECTRIC HEAT:** Hopper to be equipped with two (2) 3" dial flues located approximately 1/3 the distance from the shoveling plate to the top of the hopper and 1/3 from each side of hopper. Each flue will have 750 watt, 120 volt tubular heat elements. Shoveling platform to be equipped with three (3) 500 watt, 120 volt thin cast strip heaters. The strip heaters to be spaced equally across the shoveling platform in the air jacket space around the hopper to provide even heat on platform and sides of hopper, for a total of 3000 watts. The automatic control to be divided into two (2) zones. Zone 1 - flue area, zone 2 - shovel platform. Each zone to have separate temperature control and 10' of 12/3 extension cord with standard 20 amp plug. The system is divided into two (2) zones to prevent over loading of shop electrical system. A service of 125% of rated capacity is required for restraint heat. Each zone draws 12.5 amps plus 125% equaling 15.6 amps for each zone for a total of 31.25 amps.
- DIESEL:** Unit shall include a 12 volt Beckett diesel burner. Shall include electronic spark ignition and blower. To be located in the front, bottom of heating hopper. Burn chamber to be approximately lined and sized to specifications of the burner. A thirty (30) gallon fuel tank shall be included. Unit must include a 12 volt battery and battery isolator. 12 volt power must be maintained from the tow vehicle at all times. Burner shall be rated at 120,000 BTU's.

For more information contact

Pavement Technologies International Corporation

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Available Options

- CONSTANT IGNITION:** Consists of pilot light, thermo couple, and Baso safety valve. If pilot light is extinguished, gas supply is automatically shut off.
- SPARK IGNITION:** Spark ignition and electronic flame out system. Electronic senses flame, if flame is extinguished, gas supply is shut off.
- AUTOMATIC CONTROLS:** To monitor temperature of material in hopper and tack tank and automatically control LP burner. Automatic control system includes constant ignition system or spark ignition system with battery, battery box and isolator.
- UNHEATED TACK TANK:** Same as heated tack tank without heating system.
- HEATED TACK TANK:** Unit will be equipped with a heated tack tank with a capacity of 40 gallons. To have a 6" fill cap. Heating is done by a flue system running the entire length of the bottom of the tank to a vertical exhaust stack. Will be heated by a 75,000 BTU burner. Will have a 2" molasses gate valve for draining the tank. Heated tack tank to be in-sulated with 2" of 1 1/2# hi-temperature fiberglass insulation with 16 gauge outside cover.
- HEATED TACK TANK (for electric heated units only):** Unit will be equipped with a heated tack tank with a capacity of 40gallons. To have a 6" fill cap. Heating is done by a thermostatically controlled 120 volt 1500 watt electric heating element. Will have a 2" molasses gate valve for draining the tank and temperature gauge. Heated tack tank to be insulated with 2" of 1 1/2# hi-temperature fiberglass insulation with 16 gauge outside cover.
- ELECTRIC SPRAY WAND ATTACHMENT:** Consisting of a 3/4HP electric motor driving a F-32 Viking pump with a built in pressure relief valve. Suction line to have removable screen 3-way ball valve between kettle and pump to allow for flushing of pumping system. Shall be equipped with 15' of 3/4" flexible hose, with 5' hand held spray wand with quick operating valve, cool grip handles, hose rack and through tank wand holder to allow for circulating material through spray wand system when not in use. Pump will be equipped with an electric heating element.
- HEATED WAND:** Hose and wand shall be heated by a 12-24 electric heating element. One element located inside the wand and one located inside the hose. The heating element will be powered by a generator through a transformer.
- SHOVEL CLEANING COMPARTMENT:** Will be constructed of 16 gauge material with splash guard compartments, drain plug and rain tight cover.
- LP BOTTLE RACK:** Bottle rack to hold 100# LP bottle.
- MOUNTED LP BOTTLE:** 30 gallon LP tank with liquid withdrawal and contents gauge mounted to trailer.
- TOOL BOX:** Constructed of 14 gauge steel with cover and hasp 12" x 12" x 36".
- ELECTRIC BRAKES:** Axle to be equipped with 12 volt electric brakes wired in protective loom with 6 prong connector.
- BRAKE AWAY KIT:** Trailer brakes lock in case of accidental brake away from towing vehicle. Brakes are applied automatically and are wired to a 12 volt Group 24 battery.
- HYDRAULIC SURGE BRAKES:** Axle to be equipped with hydraulic brakes and surge actuator with brake away protection.
- LIGHTS:** Combination stop, turn, and clearance lights with license plate bracket wired in a protective loom with 4 prong connector.
- STROBE LIGHT:** 12 volt powered.
- ARROW BOARD:** 12 volt powered directional arrow.
- COMPACTOR PLATE CARRIER:** Located on rear of unit for raising and lowering Compactor Plate.
- WATER TANK:** 15 gallon plastic water tank for use with the Compact Plate Carrier Option.

Generator Selection

- GAS (45kW):** Unit to be equipped with a gas driven generator. Winco, model DL4500, 4500 watt capacity. Eight (8) horsepower Briggs & Stratton IC Engine with low oil shutdown and roll cage.
- GAS (60kW):** Unit to be equipped with a gas driven generator. Winco, model DL6000, six thousand (6000) watt capacity. Eleven (11) horsepower Briggs & Stratton IC Engine with low oil shut down and roll cage. The generator also includes electric start, battery, lockable battery box, and auto engine idle.
- GAS (90kW):** Unit to be equipped with a gas driven generator. Winco, model DL9000, nine thousand (9000) watt capacity. Sixteen (16) horsepower Vanguard Engine with low oil shut down and roll cage. The generator also includes electric start, battery, lockable battery box, and auto engine idle.
- DIESEL:** Unit to be equipped with a diesel driven generator. A Robin Model RGD 351 three thousand seven hundred (3700) watt capacity. With electric starter and battery.

Pre-Mix Heater

Model SPH-3.0-OJP



*For heating, hauling and dispensing bituminous mix for road repair.
Heat system to be a double boiler style with heat transfer oil.*

HOPPER:

Shall be of V shape with a capacity of 3.0 cubic yards. The outer hopper shall be surrounded by heat transfer oil. A flue shall pass through the oil. Oil shall be heated by a 500,000 BTU burner with a 12 volt spark ignition system. System shall automatically shut down fuel source if flame is extinguished. All valves, regulators and fittings to operate system shall be included.

Hopper shall include automatic temperature controls to monitor temperature. Temperature gauges will be electronic with digital LCD readout. Temperature range is from 150° to 550° F.

Shall have a screw type auger located at the bottom of the hopper capable of discharging material without shoveling onto shovel platform. Shovel platform shall swing away to allow material to dispense onto the ground.

Entire tank to be insulated with 2 inches of high temperature fiberglass insulation. Covered with a 16 gauge cover. Top doors also insulated.

Power unit shall be a 20 HP Onan gasoline engine. Shall include electric start.

HOPPER (Continued):

Engine shall power hydraulic system. Hydraulic controls located at rear curbside of machine to control: Opening and closing of top doors, auger to dispense hot material and material pump on tack tank. Also, adapters to hook up axillary hydraulic tools (tools sold separately).

TACK OIL TANK:

Shall have minimum capacity of forty (40) gallons. Unit to include flue style burner system with L.P. torch. Tank shall be insulated with 2" of high temperature fiberglass insulation. To include a submerged pumping system. Pump to be easily removable for maintenance. Shall have twenty (20) foot spray hose and wand.

TRAILER:

Shall be A-frame style. Constructed of 6" x 2" x 7 gauge high strength rectangular steel tubing reinforced at all stress points. Shall be equipped with a tandem 7000 pounds leaf spring axle, 12.0 x 16.5 Load Range E tires, heavy duty 12 gauge steel fenders, hitch adjustable from 28" to 34" and 5000 pound screwjack that pivots for road clearance.

For more information contact
Pavement Technologies International Corporation
(888) 999-2660

Available Options

- SHOVEL CLEANING COMPARTMENT:** Will be constructed of 16 gauge material with splash guard compartments, drain plug and rain tight cover.
- LP BOTTLE RACK:** Bottle rack to hold 100# LP bottle.
- MOUNTED LP BOTTLE:** 30 gallon LP tank with liquid withdrawal and contents gauge mounted to trailer.
- ELECTRIC BRAKES:** Axle to be equipped with 12 volt electric brakes wired in protective loom with 6 prong connector.
- BRAKE AWAY KIT:** Trailer brakes lock in case of accidental brake away from towing vehicle. Brakes are applied automatically and are wired to a 12 volt Group 24 battery.
- HYDRAULIC SURGE BRAKES:** Axle to be equipped with hydraulic brakes and surge actuator with brake away protection.
- TOOL BOX:** Constructed of 14 gauge steel with cover and hasp 12" x 12" x 36".
- LIGHTS:** Combination stop, turn, and clearance lights with license plate bracket wired in a protective loom with 4 prong connector.
- STROBE LIGHT:** 12 volt powered.
- ARROW BOARD:** 12 volt powered directional arrow.
- COMPACTOR PLATE CARRIER:** Located on rear of unit. For raising and lowering of compact carrier.
- SCREW PLUG IMMERSION HEATER:** 3.0 KW with automatic temperature controls.
- FLUSH TANK:** With 12 volt pump for cleaning of asphalt tools.
- COMPACTOR PLATE CARRIER:** Carrier with 12 volt winch to raise and lower holder.
- WATER TANK:** 15 gallon plastic water tank for use with the Compact Carrier Option.
- FIRE EXTINGUISHER**

Options indicate options included in your specification.

PMH