

VTB THERMOBOX

Asphalt Patching Truck

Hot mix from the plant to the pothole, at working temperature

5 – 8 m³	**280 °C**	**100 mm**	**150 L**
insulated V-hopper	thermal oil, thermostat	rock wool insulation	emulsion tank, min.

One truck carries the hot mix, the tack coat, the tools and the compactor. The crew repairs the pothole at one stop.

The Vimpo VTB Thermobox mounts on the customer's own truck. Its insulated V-shaped hopper holds 5 – 8 m³ of material, depending on the chassis. Thermal oil or electric heating keeps the mix hot, and a hydraulic auger discharges it straight into the hole. The emulsion tank, the hydraulics, the tool cabinets and the compactor storage are on the same truck.

- Mounted on your own truck chassis
- Hydraulic auger discharges into the hole
- Thermal oil or electric heating
- Emulsion tank with hand spray bar
- Breaker and compactor carried on board
- Rear control panel
- Hydraulic discharge arm: 180°, 1.5 m (option)

VIMPO ROAD MAINTENANCE MACHINES

VCF crack sealing machine · Asphalt crack router · Road sweeper · VAD asphalt distributor

HOW IT WORKS

Load, heat, discharge



Pothole repair with the VTB Thermobox

Hot mix is loaded into the hopper at the asphalt plant. The 100 mm rock wool insulation and the heating system keep the material at an even temperature during transport and work. At the repair, the operator opens the hydraulic auger at the hopper base and the material flows through the chute into the pothole.

REPAIR IN FOUR STEPS

1. **1 · Cut and Clean** — Hydraulic jack hammer (option)
2. **2 · Tack Coat** — Emulsion from the tank · hand spray bar
3. **3 · Fill** — Hot mix from the auger · into the hole
4. **4 · Compact** — Plate compactor (option) · carried on the truck


Central control panel

HEATING

With thermal oil heating, a diesel burner heats oil that circulates through a jacket around the hopper. The digital thermostat controls the oil temperature up to 280 °C and the system has over-temperature and low oil level protection. An electrically heated version is also available.

CENTRAL CONTROL

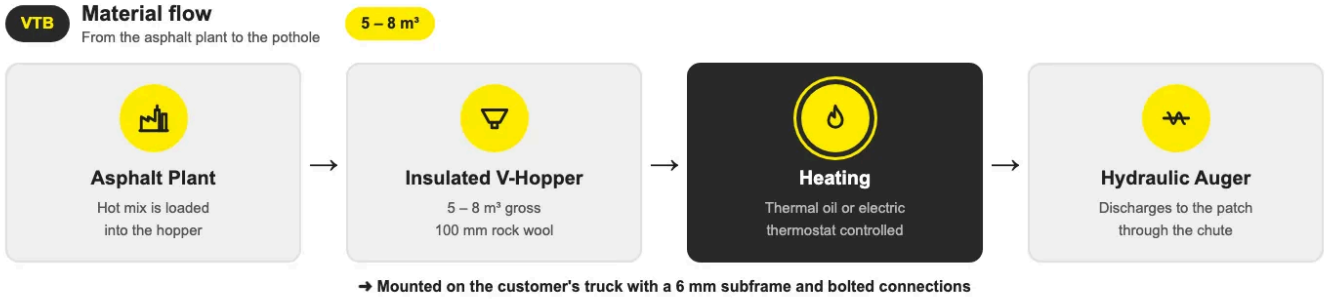
Temperature, emulsion pump and hydraulics are controlled from one central system. The rear control panel lets the operator work at the patch.

- Digital thermostat up to 280 °C
- Over-temperature and low oil level protection
- PTO pump min. 35 L/min at 140 bar

TECHNICAL SPECIFICATIONS

Built on your truck

The hopper volume is matched to the truck chassis.



Specification	VTB Thermobox
Mounting	On the customer's truck chassis · 6 mm auxiliary subframe, bolted
Material hopper	V-shaped, 4 mm steel · 5 – 8 m³ gross, matched to the chassis
Insulation	100 mm rock wool, cladded
Top cover	Hydraulic
Discharge	Hydraulic screw conveyor (auger) and chute
Heating	Thermal oil with diesel burner, or electric
Thermal oil control	Digital thermostat up to 280 °C · over-temperature and low oil level protection
Emulsion tank	Min. 150 L · thermometer · hand spray bar
Water / diesel / hydraulic oil tanks	Min. 30 L / 50 L / 50 L
Hydraulic pump	PTO driven · min. 35 L/min at 140 bar
Controls	Central control: temperature, emulsion pump, hydraulics · rear control panel
Equipment	Tool cabinets, compactor cabinet, lighting and beacons, diesel cleaning spray bar, fire extinguisher
Paint	2 coats of primer and 2 coats of top coat in the customer's colour

OPTIONS

Plate compactor	max. 100 kg, plate min. 40 × 50 cm, petrol engine min. 4 HP, water spray
Hydraulic jack hammer	max. 29 kg, min. 110 bar, 20 – 30 L/min, 1,200 – 2,000 blows/min, 10 m hose
Compactor lift	for loading the compactor onto the truck
Roller carrying system	for a small roller on the truck
Extended reach discharge arm	hydraulic, turns 180°, reach 1.5 m



Mounted on the customer's truck

KEY FEATURES

Everything the patch crew needs

V-Shaped Hopper
4 mm steel, 5 – 8 m³ · hydraulic top cover

100 mm Insulation
Rock wool with cladding · keeps the mix even

Thermal Oil Heating
Diesel burner, thermostat · oil up to 280 °C

Electric Option
Electrically heated · hopper walls

Hydraulic Auger
Screw conveyor at the base · discharge chute

Emulsion Tank
Min. 150 L · hand spray bar

PTO Hydraulics
Min. 35 L/min at 140 bar · rear control panel

Everything on Board
Water, diesel, hydraulic tanks · tool and compactor cabinets

DETAILS


Insulated V-hopper


Heating system


Auger and chute



VTB Thermobox units

VTB **Pothole repair with one truck**
Four steps, one crew

BREAKER · COMPACTOR

1 · Cut and Clean
Hydraulic jack hammer (option)

→

2 · Tack Coat
Emulsion from the tank hand spray bar

→

3 · Fill
Hot mix from the auger into the hole

→

4 · Compact
Plate compactor (option) carried on the truck

➜ The breaker runs on the truck's hydraulic system; the compactor has its own cabinet

WHERE IT IS USED

- Potholes
- Edge repairs
- Trench reinstatements
- Municipalities
- Utility cuts
- Road maintenance teams

Get an Asphalt Patching Truck Quote

Tell us your truck chassis, the hopper volume you need, the heating type and the options; our team will prepare the configuration and the quotation.

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