

VCF SERIES

Crack Sealing Machine

Towed VCF400, self-propelled or on a truck · economical VCF200

200 / 400 L	O2	11 / 15 kW	550 L/min
sealant tank	VCF400 trailer	diesel engine	VCF400 compressor

Seal the crack before the water gets in. The machine melts, mixes and pumps the sealant with its own power.

The VCF400 has a 400 L tank, a jacketed pump, a thermal oil heated hand bar and an air compressor; it comes as an O2 class trailer, truck-mounted or self-propelled. The VCF200 is a mobile melting kettle with a 200 L tank, an agitator and an 11 kW diesel engine: the operator fills a bucket from the valve and applies the sealant with a pour pot.

- VCF400: thermal oil jacket, digital temperature control
- Hydraulic agitator in the sealant tank
- VCF400: Vimpo VD-25 pump and heated hand bar
- VCF400: own diesel engine and air compressor
- VCF200: mobile melting kettle, 11 kW diesel
- VCF200: valve into a bucket, pour pot

VIMPO ROAD MAINTENANCE MACHINES

Asphalt crack router · VTB Thermobox patching truck · VAD asphalt distributor · Road sweeper

HOW IT WORKS

The right temperature, straight into the crack



VCF400 at work on site

A diesel burner heats the thermal oil around the tank. On the VCF400 a thermal oil pump circulates it and a digital controller sets the oil and the sealant temperature. On the VCF200 the oil circulates naturally, without a pump, and a simple thermostat controls the temperature. The oil heats the sealant indirectly, so it does not burn on the tank wall.

SEALING IN FOUR STEPS

1. **1 · Clean the Crack** — Route the crack, · clean and dry it
2. **2 · Circulate** — Hand bar in the circulation · trough, sealant goes round
3. **3 · Seal** — Follow the crack with · the hand bar
4. **4 · Clean Up** — Suck the sealant back · flush the lines with diesel

MIXING AND PUMPING

The hydraulic agitator keeps the sealant even in the tank. On the VCF400 the jacketed Vimpo VD-25 pump sends it through the heated hose to the hand bar. Before work the sealant circulates back to the tank, so the hose and the bar are hot when sealing starts. On the VCF200 the operator fills a bucket from the valve on the side of the tank and applies the sealant with a pour pot.


VCF400, insulated sealant tank

SIMPLE TO RUN

On the VCF400 the panel shows the engine values and holds the digital temperature controllers. The burner, the agitator and the pumps are switched from the panel.

- VCF400 burner 60.2 – 118 kW, max. 10 kg/h diesel
- Thermal oil pump max. 10 bar
- Sealant pump Vimpo VD-25, jacketed

TECHNICAL SPECIFICATIONS

VCF400 and VCF200

The VCF400 has a 400 L tank, a pump, a heated hand bar and an air compressor: O2 class trailer, truck-mounted or self-propelled. The VCF200 is a mobile melting kettle with a 200 L tank, an agitator and an 11 kW diesel engine; the operator fills a bucket from the valve and applies the sealant with a pour pot. It comes on a single-axle site trailer without brakes or number plate, or on a truck.

Feature	VCF400	VCF200
Sealant tank	400 L	200 L
Agitator	✓ hydraulic	✓ hydraulic
Heating	Thermal oil, pump circulated	Thermal oil, natural circulation
Temperature control	Digital	Thermostat
Burner	✓ 60.2 – 118 kW, max. 10 kg/h diesel	✓ smaller burner
Hydraulic speed adjustment	✓ manual, pump and agitator	✗ fixed speed, on-off
Thermal oil circulation pump	✓ Vimpo MK 3/8", 0.3 m³/h, max. 10 bar	✗
Sealant pump	✓ Vimpo VD-25 (1"), jacketed	✗
Heated hand bar	✓ thermal oil heated, replaceable head	✗
Discharge	Hand bar	Valve on the tank side into a bucket, applied with a pour pot
Back-suction and diesel flushing	✓	✗
Air compressor	✓ 550 L/min, 8 bar, 2 × 40 L	✗
Power	Diesel engine, 15 kW at 1500 rpm, Euro 2	Diesel engine, 11 kW
Enclosed engine compartment	✓	✓
Insulation	50 mm rock wool, 1 mm aluminium	50 mm rock wool
Lighting	LED work lamp and beacon	LED work lamp only
Tool bag	✓	✗
O2 class trailer	✓ 2 torsion axles, 3500 kg, max. width 2550 mm	✗
Site trailer without number plate	✗	✓ single axle, no brakes
Truck-mounted	✓	✓
Self-propelled	✓	✗

OPTIONS

Truck-mounted version	VCF400 or VCF200 on the customer's truck
Self-propelled version	VCF400 as a self-propelled machine
Crack preparation	Vimpo asphalt crack router to open the crack before sealing

KEY FEATURES

Everything for crack sealing on one machine

Thermal Oil Jacket
Diesel burner · temperature control

Insulated Tank
50 mm rock wool · 200 / 400 L

Hydraulic Agitator
Orbit motor · manual speed adjustment

Vimpo VD-25 Pump
VCF400: 1", jacketed · hydraulic drive

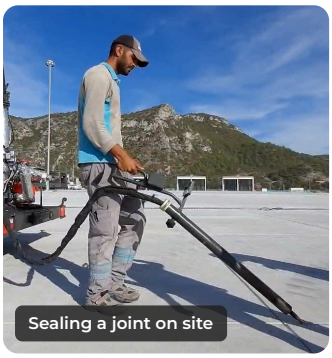
Heated Hand Bar
VCF400: thermal oil heating · replaceable head

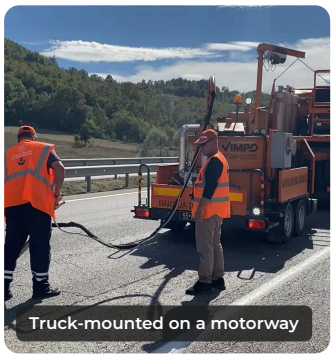
Air Compressor
VCF400: 550 L/min · 2 × 40 L tanks

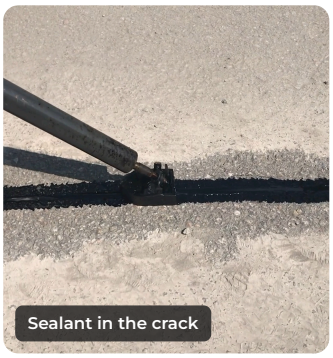
Own Power
VCF400: diesel 15 kW · VCF200: diesel 11 kW

CE Directives
MD 2006/42/EC · 2014/30/EU

DETAILS


Sealing a joint on site


Truck-mounted on a motorway


Sealant in the crack


VCF400 engine and compressor

VCF **Crack sealing in four steps** VCF400
Clean, circulate, seal, clean up

1 · Clean the Crack
Route the crack, clean and dry it

2 · Circulate
Hand bar in the circulation trough, sealant goes round

3 · Seal
Follow the crack with the hand bar

4 · Clean Up
Suck the sealant back flush the lines with diesel

WHERE IT IS USED

- Motorways
- City streets
- Bridges and viaducts
- Airport pavements
- Kerb joints
- Road maintenance teams

Get a Quote for a Crack Sealing Machine

Tell us the model (VCF400 or VCF200), trailer or truck-mounted, and your sealant type; our team will prepare the quotation.

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Photos are for illustration. Specifications may change without notice.