

Cracksealing machine on frame
STRASSMAYR RWK 600/500 FR
ready for assembly on the platform of carrier



The Straßmayr RWK FR crack-sealing machine is designed for easy preparation and dosage of special sealing compounds for the cracks, joints or road edges. The design of this unit allows easy assembly on any platform. The main tank walls are filled with thermal oil, allowing to work with sealing materials heated up to 200°C. The horizontal mixer and heated grill located on the top of the boiler are ensuring constant delivery of the sealing compounds to the applicator lance without the risk of blocking the mixer operation while adding fresh blocks of material.

Base construction

- unit assembled on a frame
allowing installation on platform of a small truck, or trailer

Main engine

KOHLER KDW1003
fulfilling exhaust emission regulation:
EPA Tier 4 final and EU Stage V
In-line 3-cylinder liquid cooled Diesel
engine power 18 kW
engine radiator with fan
hydraulic pump driving all the functions
hydraulic oil tank with filter and temperature/oil level indicator

Boiler

- horizontal mixer with hydraulic drive
providing best temperature equalization in whole capacity of boiler
providing best mixing of the sealing material
allowing filling up the material during operation
possibility of reverse in case of need
- initial grill placed above the mixer
with thermal oil in the temperature of about 260°C flowing inside
allowing preheating of blocks of material prepared to be added to the boiler
hard mass blocks are placed on the initial grid, where they are preheated and melted
allowing quick start of operation with smaller amount of material preheated
- effective amount of the material prepared about 500 l

Oil heating system

- automatically controlled heating system with RIELLO Diesel burner
- heating pipe heated by heating oil burner (heating the thermal oil)
- heating pipe is located between the walls of the boiler
- protects against overheating of the material heated
- thermal oil heated furnace
- the mass is heated over the entire surface of the walls of the boiler
- capacity between the walls of the thermal oil boiler 185 liters
- pump for distribution of thermal oil with hydraulic drive
- system of three thermostats
- one for thermal oil temperature adjustment
- one for material temperature adjustment
- one for security of the whole system

Crack filling set

- material pump for delivery of sealing material with hydraulic drive
- type of material pump Steimel
- material pump placed inside the boiler
- easy and trouble-free system of dismantling of material pump set
- set for filling cracks
- manual lance for delivery of the material to the spot
- lance equipped with manual valve for opening and closing of material flow
- valve with manual regulation of efficiency of material delivery
- special hose with a length of 4 m
- compressor with a capacity of 80l/min
- with hydraulic drive
- pressed air tank with capacity of 20 liters
- thread connection for connection of special hose when cleaning the pouring set
- allowing easy and quick cleaning of special hose and manual delivery lance

Tank for fuel (diesel)

- tank capacity 60 l

Additional equipment

System of night-heating of thermal oil

- utilizing a two-stage Riello burner
- separate thermostat for night heating control
- 230V wall plug connection to power the burner

System of additional heating of special hose

- 24V electric system of heating of special hose
- dedicated generator with hydraulic drive
- allowing heating of special hose up to temperature of 180°C

Installation of edge sprinkling

- spraying ramp with 1 nozzle, max spray-width of 120 mm
- ability to enable the individual nozzles
- manual adjustment of pressure in the beam spray
- spraying ramp heated with thermal oil
- spraying ramp with manual slope adjustment

System of jobsite lights

- 2 LED lights assembled on special frame, lighting the area behind the unit
- adjustable distance between the lamps
- all necessary required electric connections

Strassmayr CRACK PORTAL system

- automatic tracing of reparation with GPS and GSM systems
- automatic calculation of reparation done using thermal camera and special computer algorithm
- automatic storage of data at dedicated server
- special folding mounting system with supports for cameras