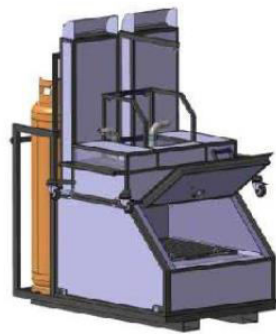


### Road repairing equipment ARES 3



#### Operating principle for the road repairing equipment ARES 3

The assembly composed out of a thermocontainer and a radiant panel constitutes the ARES 2 module. This is fixed on a platform which has and has two propane tanks, each weighing 33 kg. The radiant panel has two MFB 2 burners and is used, both for the heating of the filler material from the thermocontainer, and for warming up the defected area which is to be remedied. The system is fixed and transported on a trailer or on the platform of a small capacity vehicle.

#### Range of application for the road repairing equipment ARES 3

Having a radiant panel with a small surface and a thermocontainer with discontinuous heating of the filler material, ARES 3 is destined for small scale, especially potholes.

#### Advantages of the road repair equipment ARES 3

- Permits the storage and transport in cold season of fresh asphalt, briquette/grated, without the need to supply from the asphalt stations in cold weather, when in general, these don't work;
- The possibility of warm recycling of uncovered asphalt or milling in thermocontainer leads to reducing costs and to positive effects upon the ambiantal environment;
- Safety in exploitation by keeping under control of ignition (electronic ignition, ionization for lack of flame);
- Hygenic combustion (reduced NOx emissions)

#### Main technical characteristics

Dimensions radiant panel	660 x 460 mm
Radiation surface	0,3 m <sup>2</sup>
Storage capacity for LPG	2 x 33 = 66 kg; 131 liters
Preaheating capacity of the milled asphalt mixture	150 kg/cycle (10-15 minutes)
Installed power of the radiant panel	20 kW
Estimated consumption of the fuel for the radinat panel	1,44 kg/h