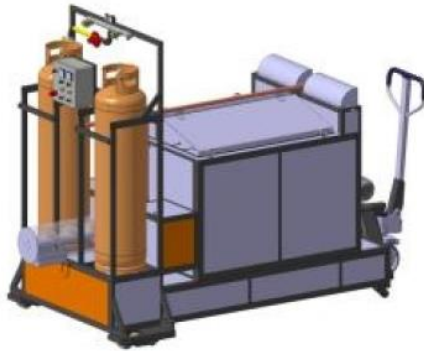


### Road repairing equipment ARES 2.1.



#### Operating principle for the road repairing equipment ARES 2.1

The radiant panel consists of four MFB 5 burners type serves to heat by radiation related to the defective zone. Used fuel (propane) comes from a group of two cylinders of 33 kg. The flue gases from the burning, bathe the thermal container and are discharged into the top. It is additionally heated by two burners MFB 3 arranged on the sides. Thermal container is heated and has the function to preheat the filter material that is to be put in the works. The equipment is easily transported and placed using an adjustment positioning type of pallet truck. It allows the adjustment of height of the radiant panel.

#### Field of use for the road repairing equipment ARES 2.1

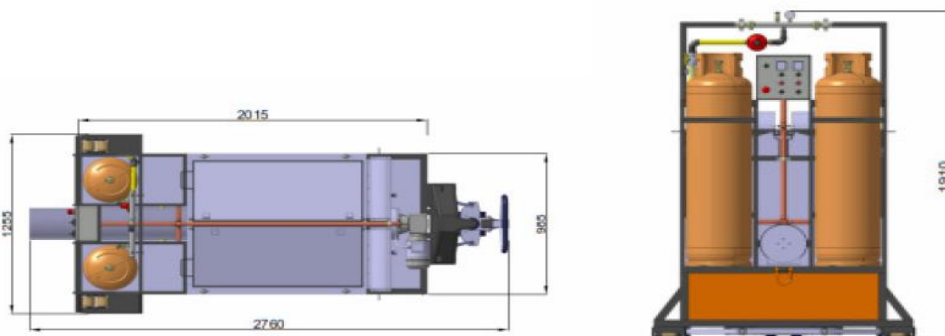
With an average surface the radiant panel heating and the thermal container with discontinuous heating containing the filler material, ARES 2 is for medium scale remediation works in special pits, tiles, creases and discharge.

#### Advantages of the use for the road repairing equipment ARES 2.1

- Allows cold storage transportation of fresh asphalt, briquette/graded without needing supply of asphalt in cold season when they generally do not work;
- Possibility of hot asphalt recycling stripped and chopped or milled in the drum lower costs and positive effects on the environment
- Heating filler asphalt mix only in a quantity necessary for a defect, requires a much lower gas consumption compared to the need of maintaining the temperature in the thermal container with the capacity approx. 2-4 tons of fresh asphalt stocked in stations required for a working day.

- Increased energy efficiency, and thus lower fuel costs through:
  - use of flue gases collected from radiant panel for heating and maintaining temperature on material from thermal container/drum.
  - Heating only judicious perimeters of the defected area by turning on only individually required burners;
  - Thermostatic
  - Insolation
- Safety in operation by controlling combustion (purge, electronic ignition, ionization sensor for lack of flame, postventilation)
- Possibility to set the intensity of radiation depending on the temperature, depth heating degree of aging of bitumen in asphalt
- Hygienic combustion (reduced emission of pollutants)
- Flexibility depending on the size and type of defects in multifunctional constructions

### Main technical characteristics



Main radiant panel dimensions	1285 x 905 mm
Main radiant panel surface	1.16 m <sup>2</sup>
LPG storage capacity	2 x 33 = 66 kg; 118 liters
Preheating capacity milled asphalt mixture	150 kg/ciclu (10-15min)
Power installed the main radiator panel	100 kw
Estimated fuel consumption for the main radiating panel	7.2 kg/h
Installed power for the thermo container burners	30 kw
Estimated fuel consumption for thermo burning container	2.16kg/h