

## ALTEC-4002 IN-TRANSIT MEDICAL REFRIGERATOR



### Areas of Application

The device is designed for transportation of blood and plasma, serum and drugs, organs, bacteria and virus cultures between laboratories; transportation and preservation of vaccines; preheating of ampoules to 36 °C prior to vein injections. The device design meets the requirements for medical equipment including its disinfection. The power is fed from onboard network of the vehicle

### Advantages

The device is efficient due to intensified heat exchange within the cooling chamber and fluid-to-air heat exchange with environment. At an ambient temperature of +20 °C, the temperature in 64-liter chamber reaches -30 °C

### IPR Protection

IPR3

### Specification

Cooling chamber dimensions, mm	400 × 355 × 455
External dimensions, mm	870 × 555 × 600
Ambient maximum temperature, °C	+50
Temperature inside the chamber at ambient temperature:	
+50 °C	-10
+20 °C	-30
Temperature control accuracy inside chamber, °C	±0.5
Temperature difference in the chamber, at most, °C	±0.5
Electric voltage, V	12, 24
Maximum electric power consumption, W	500
Refrigerator weight, kg	53

### Stage of Development.

#### Suggestion for Commercialization

IRL6, TRL6

Manufactured and supplied, upon request

### Contact Information

*Pavlo D. Mykytiyk*, Institute of Thermoelectricity of the NAS of Ukraine and the Ministry of Education and Science of Ukraine; +38 037 224 44 22, e-mail: anatykh@gmail.com