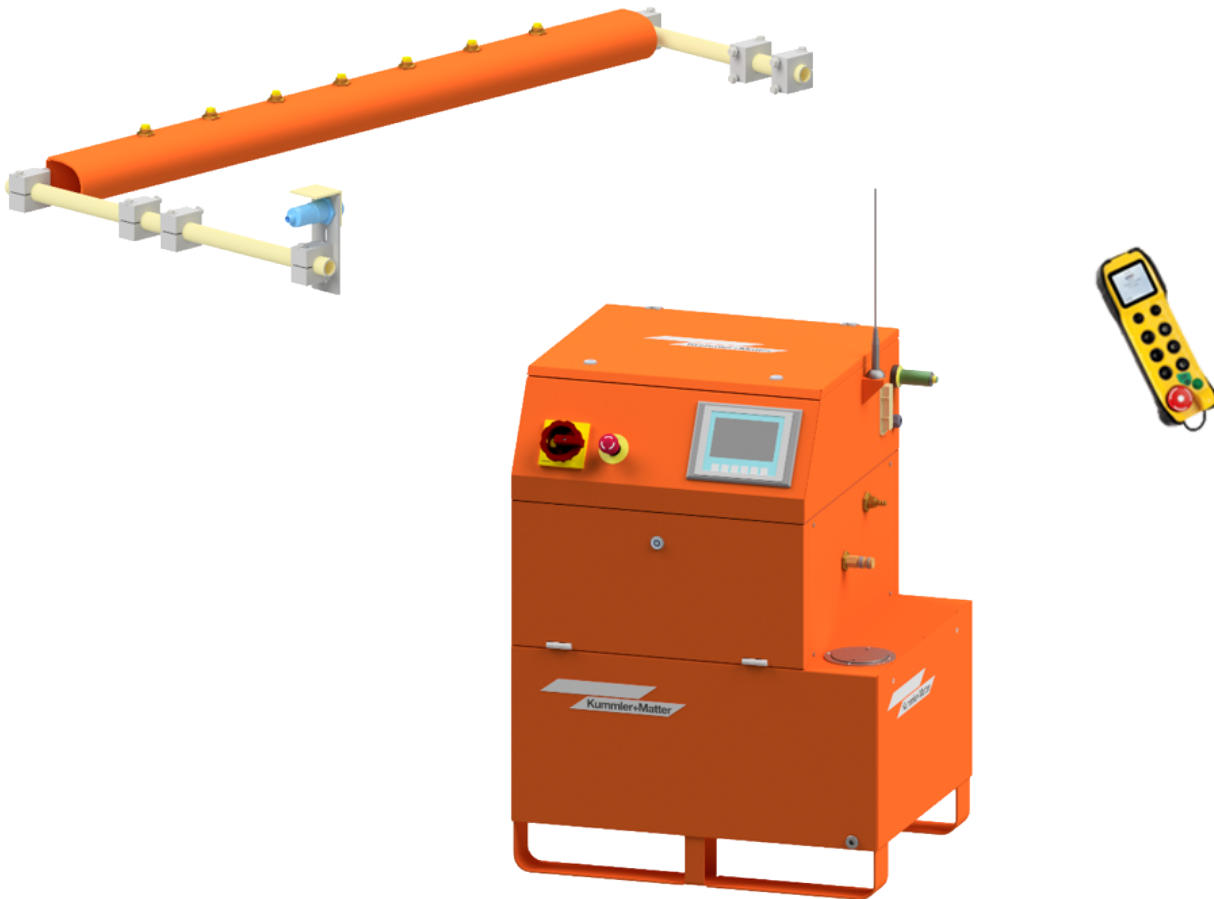


# Contact wire de-icing system KUPRO (US/CA version)

Item number B1588-02



## Dimensions

Pump- and control unit: 750 mm x 600 mm x 1000 mm (W x D x H)  
Spray bar: 1100 mm x 75 mm x 75 mm (W x D x H)

## Material and weight

Total weight (empty): 170 kg

## Applicable standards

Maschinenrichtlinie 2006/42/EG  
EN 50124-1:2001  
IEC 60060-1  
UL 508A

## Function

Cold temperatures and humidity can freeze overhead contact wires in winter. Icing up of overhead contact wires is a serious problem in the winter months because the formation of ice on the overhead wires can reduce the power consumption of the vehicle or even prevent it. The consequences are electric arcs, wear and tear of the contact elements and even interruptions to the service. The resulting loss in service can lead to significant costs for the transport companies.

In order to ensure a smooth operation, it is better

to treat the overhead contact wires in advance with an anti-freeze medium as a preventive measure. As with the impregnation of aircraft, this technique can also be used on railways and prevent the overhead contact wires from icing up.

### Specification

Approved for contact wire voltages up to 3 kV

The use is intended as a preventive measure, but also helps to dissolve ice after an icing

The antifreeze used is environmentally friendly

The effects of the de-icing treatment last at least for 5-7 days in dry weather

Ideal for use at temperatures around the dew point

Operating speed: up to 65 km/h

Antifreeze consumption: on average approx. 1 l/km (depending on setting and speed)

The system operates in the low pressure range of up to 10 bar

Control at the device and via handy radio remote control possible

Power supply via 230 V mains voltage or optionally via battery possible

Individual, simple installation of the system

on any maintenance vehicle  
Low, additional weight on the pantograph head  
Successfully tried and tested throughout the entire area of application

### Comments

Consists of:

Pump and controle unit (US/CA)  
(B1572-02)

Spray unit (B1575-01)

Pressure hose line (D4332-01)

### Benefits

Contactless treatment of the overhead contact line

No damage to the electronics caused by interrupted contact and no sparking due to frozen overhead contact wires

Reduced wear on the carbon and overhead contact wire

A significant reduction to the interruptions in the service

Economical spraying function through targeted spraying of the overhead contact line

Requires hardly any maintenance and is easy to use

Independent operation via battery possible



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