

# GLE 2 odour extinguisher



The GLE 2 odour extinguisher is a pneumatic-electrically driven spray system to be used with waste collection vehicles, especially for the collection of organic waste.

## Design features

The GLE 2 odour extinguisher consists of following parts:

- A 50 litre reservoir with integrated pneumatically-operated and electrically-controlled metering pump model DPP2-50-24
- Two SZD2-K1 spray nozzles for spraying of the bulk material
- One or two proximity switches to trigger the spraying procedure, depending on the equipment of the tipping device
- A SmartPlug multifunction switching device for time-setting of the duration of the spraying procedure
- Connecting cables to the plug connector and to the power supply
- Tubing and fastening material

# The GLE 2 odour extinguisher – an innovative solution for waste collection vehicles



## Benefits

The GLE 2 odour extinguisher is to minimize arising odours when emptying waste bins into waste collection vehicles, especially when disposing of organic waste. For this purpose, an odour-inhibiting fluid is sprayed onto the entering organic waste during the emptying of the bins. The odour-inhibiting fluid minimizes arising odours and bacteria, vapours or gases, thus protecting the people collecting organic waste from impacts harmful to their health.

## Functionality

The GLE 2 is provided with compressed air by the auxiliary consumer of the compressed air system in the waste collection vehicles. Depending on whether it is a single or double tipping device, one or two proximity switches are installed in the final position of the lifting movement of a waste bin. As soon as a waste bin is lifted, the proximity switch is activated and triggers the spraying procedure onto the entering organic bulk material. While the proximity switch is activated, the SmartPlug multifunction switching device (control unit) is activated as well.

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## Important technical data:

Reservoir size	50 litre
Air pressure	Pmax. = 10 bar Pmin. = 6 bar
Supply pressure	P = 80% of the air pressure in the vehicle
Empty weight	18 kg
Assembly dimension of the reservoir	Length x depth x height = 590 x 485 x 385 mm
Means to be transported	Wessoclean Nova dissolved in water
Operating temperature	0 to +55 °C
Sound pressure level	< 70 dBA
Supply voltage	24 VDC
Input power	3 A
Type of protection	IP65, EMC following DIN EN 60947

It makes sure that the spraying procedure ends after 5 seconds (standard SmartPlug settings). Both proximity switches have been activated at the same time, one spraying procedure will take place only. During the spraying procedure, the means to be sprayed reaches the two spray nozzles installed at the tipping device of the waste superstructure via the supply line. The spray nozzles then spray the means over the entering bulk material.

