

## Waste Line Cleaning Trolley

### >WLC1<



#### AIRBUS CERTIFIED

Developed for cleaning vacuum waste line systems of different aircraft types. (ATA Chapter 38)

Suitable for all aircraft types with vacuum waste line systems, e.g.

- A318 / A319 / A320 / A321 (TEB 320-D0351)  
(TEB 320-D0352)
- A330 / A340 (TEB 340-D0620)
- A350 (TEB 350-D0135)
- A380 (TEB 380-D0271)
- B737
- B767
- B747 / B777
- B787

- > Fully automatic cleaning process (no monitoring required)
- > Automatic leakage test of vacuum waste line system before cleaning process start-up
- > Implementation during standard maintenance tasks (e.g. Line Maintenance Check)
- > Preselectable cleaning time enables high flexibility, perfect cleanliness is provided within a few hours
- > Implementation for already significantly clogged waste lines as well as for preventive cleaning
- > Environmental friendliness is ensured by usage of water and citric acid as cleaning agents

## TECHNICAL DATA

<p><b>&gt; Electrical supply:</b></p> <p>Mains supply: 3/PE AC 50-60Hz 380-480V  Nominal current: max. 21A  (max. 32A with Option B)  Power: 14,6kVA  (max. 22,1kVA with Option B)  Preliminary fuse: 25A gL  (max. 32A gL with Option B)</p> <p>(electricity- and performance characteristics at 400V 50Hz)</p>	<p><b>&gt; Operating conditions:</b></p> <p>Ambient temperature: 5 to 40°C  (41 to 104°F)</p> <p>Storage temperature: 0 to 60°C  (32 to 140°F)</p> <p>Altitude: max. 1,000m MSL  (3,280ft)</p> <p>Humidity: 5 to 90%  (non-condensing)</p> <p>Noise emission: max. 63dB(A) in 1m distance</p>
<p><b>&gt; Dimensions and weight:</b></p> <p>Length: 2,850mm (112.2in)  Width: 1,600mm (63.0in)  Height: 1,500mm (59.1in)  Weight: approx. 1,200kg (approx. 2,645.5lb)</p>	

## STANDARD SCOPE OF DELIVERY

- > 1 EA water supply hose, 20m (65ft), on hose reel with standard claw coupling (GEKA)
- > 3 EA cleaning hose, 20m (65ft) each, on hose reel with couplings
- > 2 EA Blanking caps for cleaning hose
- > 2 EA A/C sensor head each with a sensor cable (40m (130ft)) on cable reel for measurement and monitoring
- > 1 EA A/C adapter 0,4m 0° to connect cleaning hoses to the vaccum waste line system
- > 1 EA A/C adapter 0,4m 90° to connect cleaning hoses to the vaccum waste line system
- > 1 EA electrical connection cable, 20m (65ft), with CEE-plug (32A)
- > 1 EA rope, 20m (65ft), with carabiner to lift the cleaning hoses up to cabin height and bag for storage
- > 2 EA strain relief for cleaning hoses
- > 3 EA. Blanking caps A/C Waste Line (in case, leaking toilets can be repaired and pipes can be blanked off)
- > 1 EA waste water hose, 10m (33ft), with couplings and caps, stored in an extractable drawer
- > 1 EA Ball valve „SUPPLY“ (to avoid leaking of cleaning fluid in the A/C while connecting or disconnecting)
- > 1 EA Ball valve „RETURN“ (to avoid leaking of cleaning fluid in the A/C while connecting or disconnecting)
- > 2 bags of citric acid (25kg each) for initial cleaning

## OPTIONS

### > Option A - Extended functionality for upper deck and simultaneous cleaning of two systems

Flow direction change results in a significant increase in efficiency during cleaning, extracting and drying. This option is strongly recommended for A380 and B747 (upper deck) because of the enormous height. Furthermore, this option enables simultaneous cleaning of two vacuum waste line systems. With this option, a interconnection hose is also delivered, serving as connection of the two systems, as well as an additional A/C adapter 0,4 0° and an A/C adapter 0,4m 90°.

<u>Overview of systems:</u>	B737 / A320	1 system
	B767 / A330-340	2 systems
	B747 / B777	3 systems
	A380	4 systems

### > Option B - Continuous-flow heater

This option is recommended if no warm water (at least 30°C / 85°F) is available in the hangar. The integrated continuous-flow heater enables filling with cold water (at least 10°C / 50°F).

### > Option C - Motor drive for hose reel

The hose reel for the cleaning hoses is motor driven. Operated via foot switch, it enables guiding hoses with both hands.

### > Option D - Tool box with drawer and storage shelf for citric acid

For small parts such as cleaning cloths, glasses, protective clothing etc. a drawer is installed. The two bags of citric acid can be stored on the integrated shelf which is protected against rain.

### > Option E - Spring-loaded chassis

Spring-loaded axes are integrated into the chassis to prevent damage due to long distance trailing.

### > Option F - Cover paint alternative to standard

Skydrol resistant paint is used.

Standard cover paint: light grey (RAL 7035) with upper part in traffic blue (RAL 5017)

## ACCESSORIES (optionally available)

- > Dust cover
- > Additional waste water hose 10m (33ft) with couplings and caps, stored in a separate storage shelf between the fork lift access points.



Dust cover  
(Exemplary figure)



Waste water hose