

DATASHEET

KLT container washing system type DLWA KLT-Highline



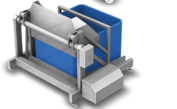
INDUSTRIAL WASHING plant FOR THE CLEANING OF SMALL LOAD CARRIERS IN A CONTINUOUS PROCESS

- Industrial washing system (KLT washing system/ small load carrier washing plant) - capacity 400 small load carriers/ h (1st lane) or 400 trays in block of 4/ h (1st lane) and 400 lids/ h (2nd lane)
- Machine housing completely double-walled sound and heat insulated, manufactured in one piece and completely welded, low energy consumption
- Total dimensions of the KLT container washing system in this project 20,700 mm incl. 5000 mm discharge roller conveyor or individually according to project requirements
- Infeed table (feeding area): Length 2000 mm or individually according to project requirements for easy manual feeding
- Drive via narrow stainless steel belts with welded cams
- Tunnel infeed with height adjustment by means of easily adjustable, stable hold-down, height up to 410 mm
- Adjustable side guides for passage width 2 x 140 - 410 mm (tool-free conversion possible)
- Extended vapor hood with suction connection in the infeed area
- Washing zone 1: length 1800 mm, stainless steel centrifugal pump with 4 kW power at a circulation of 1500 ltr./m at 1.5 bar with stable external filter tank with 1000 l volume, heating 10-20 kW, washing temperature 50°C, 1. oil discharge by disc skimmer
- Washing zone 2: length 2700 mm, stainless steel centrifugal pump with 5,5 kW power at a circulation of 1500 ltr./m at 2 bar with stable external filter tank with 800 l volume, heating 30 kW, washing temperature 55-60°C, 2nd oil discharge by disc skimmer
- Washing zone 3 with rinsing zone: length 2700 mm, stainless steel centrifugal pump with 5,5 kW power at a circulation of 1200 ltr./m at 2,5 bar with stable external filter tank with 600 l volume, heating 40 kW, washing temperature max. 65°C
- Tank heating by hot water heat exchanger, optional electric, with steam directly or by heat exchanger possible
- Nozzle arms with stainless steel nozzles can be removed and cleaned without tools (nozzle arms forcibly positioned)
- Final fresh water rinse: The fresh water runs into the tank of washing zone 3 and exits here as slightly contaminated waste water. In case of underfilling into the tank of wash zone 1 or wash zone 2, the overflow closes and the water cascades down to the tank of wash zone 1. The cleaning process is also possible without constant fresh water supply.

Hygiene- and Cleaning Technology



Trolleys, Container and Transport Equipment



Locker- and Socialroom Equipment



- Large and easy to clean external filter boxes with funnel overflow
- Neutral drip zone: length 1000 mm with suction connection
- Blow-off zone 1 type BS2: length 1800 mm with 2 blower motors ELEKTOR with 5 kW power, adjustable stainless steel air knives allow blowing off the residual water of the KLT containers, trays and lids.
- Blow-off zone 2 type BS4H: length 2700 mm with 4 blower motors ELEKTOR with 5 kW power each of an auxiliary heating of 30 kW power, depending on the container construction, a reduction of the residual moisture down to a few grams can be achieved.
- Outfeed of the containers from the machine and transfer to an outfeed table 1000 mm long with roller conveyor open at the bottom and limit switch.
- Outfeed table: length 1000 mm with limit switch and buffer roller conveyor connected to it: length 5000 mm or individually according to project requirements.

Article-No.

11.10.01.50

**Hygiene- and
Cleaning Technology**



**Trolleys, Container and
Transport Equipment**



**Locker- and Socialroom
Equipment**



Technical Data

Power supply	3x 400 V/ N/ PE; 50 Hz
Performance	45 kW (Total connected capacity of the example plant)
Drain	DN 50
Water connection	1", 60-80°C, 1-6 bar, 1-8°dH (fresh water)
Water consumption	ca. 400 l/h
Tank capacity	1.000 Liter (washing area 1) / 800 Liter (washing area 2) / 600 Liter (washing area 3)
Pump capacity	4 kW 1500 l/min. 1,5 bar (washing area 1) / 5,5 kW 1500 l/min. 2 bar (washing area 2)/ 5,5 kW 1200 l/min. 2,5 bar (washing area 3)
Heating power tank	Hot water flow temperature 80-85°C, circulation volume ca. 6-8 m³/h 2" ~ 120-130 KW
Wash tunnel dimensions (w x h)	B 410 x H 410 mm (1. lane) / B 410 x H 410 mm (2. lane)
Exhaust ventilation	2 x DN 250 (exhaust vent)
Working height	950 mm (ergonomic)
Washing tunnel length	1800 mm (washing area 1) / 2700 mm (washing area 2) / 2700 mm (washing area 3)

Material

Made of rustproof stainless steel 1.4301

Dimension (W x D x H in mm)

According to technical equipment

Hygiene- and Cleaning Technology



Trolleys, Container and Transport Equipment



Locker- and Socialroom Equipment

