

# WD 11 – when there is a need for more than a hood type machine



WD-11 is a middle size machine being the best alternative when a hood type machine is not quite enough, but a rack conveyor machine is already too much. The machine is ideal for the professional kitchens where the dishwashing operation time is short with relatively high capacity (schools or small staff canteens) or restaurants that have a short high capacity peak and otherwise low capacity need. WD-11 is easy and flexible to use and it provides somewhat higher capacity than a hood type machine and an excellent washing result.

WD-11 uses the similar principle as rack conveyor machines. It has one chemical wash zone and a double final rinse zone. The conveyor principle allows flexible contact time adjustment by the operator. The recommended capacity is 50 – 100 baskets/hour, depending on the dirtiness of the dishes. Trays and other lightly soiled dishes can be washed with shorter contact time thus reaching a higher capacity (max. 180 baskets/hour). WD-11 has an installation length of only 1355 mm and the standard Metos entry and exit tables, turn tracks, angle loading tables and conveyors can be used with WD-11 (see pages 53-55).

## Operating the machine

Thanks to the efficient thermal and acoustic insulation surface temperatures and noise level are kept down. Operation of the machine is simple thanks to the clear symbol display that informs of e.g. temperatures and alarms. The surfaces of the machine are smooth for good hygiene. The large and well-balanced doors are light to handle and open up enabling easy access for cleaning of the machine. The doors can even be lifted out for more thorough cleaning. Large strainers in the wash tank help to keep the water clean for a long time.

## HACCP

The machine controls the temperature of the wash tank and the final rinse and provides a low temperature warning.

## Diagnostics

The number of washed baskets can be read on the symbol display. Error indications are shown on the symbol display. In a service situation the most important components can be tested by push buttons.

## Installation and Service

The construction of the machine is service and installation friendly. The machine is prepared for detergent and rinse aid connections. Only one water (hot water) connection is needed. A direct connection to ventilation is recommended ( $\varnothing$  160 mm). The components used in the WD-11 are the same high quality components that are used also in WD rack conveyor machines. All the main service work can be performed from the front side of the machine.



## Technical data

Max.surface temp. at room temp. +20°C	35°C
Sound level (1m from machine)	68 dB
Ventilation requirements	1200 m³/h
Basket size	500 x 500 mm
Length (installation length)	1355 mm
Depth	697 mm
Height, doors closed	1685 ± 50 mm
Height, doors open	1950 ± 50 mm
Capacity DIN 10510	56 baskets/h
Capacity, recommended	50-100 baskets/h
Capacity, max	180 baskets/h
Hot water consumption	2 litres/rack

## Water and drain connections, water consumption

Recommended quality of water (hardness)	2-7°dH
Hot water connection 55-70°C (internal thread)	R 1½"
Drain connection PP-pipe	Ø 50 mm
Tank volume chemical wash	67 l
Tank volume final rinse	6 litres
Total tank volume	73 litres

## Electrical connection, electrically heated machine

Pump motor chemical wash	1,5 kW
Pump motor final rinse	0,11 kW
Conveyor motor	0,12 kW
Tank heat chemical wash	6 kW
Booster heater final rinse	12 kW
Total connected power	19,7 kW
Main fuse 400V 3N~	35 A
Max. connection area 400V 3N~ (L1 - L3, N, PE) Cu	35 mm²

	Art.nr.
WD 11 right-left	3-0011 H
WD 11 left-right	3-0011 V

Accessories	Art.nr.
Pressure booster pump	3-4011
Booster heater for recirculating rinse 12kW	3-4141
Installation kit for entry conveyor	3-4150 AE
Installation kit for exit conveyor	3-4150 BE
Installation kit entry/exit conveyors	3-4150 CE
Machine driven turn track 90°	3-4506 H
Machine driven turn track 90°	3-4506 V
Machine driven turn track 180°	3-4507 H
Machine driven turn track 180°	3-4507 V
Angle loading table 630	3-4060

Marine types available.

Other types of voltages on request.

We reserve the right to change technical data.