

Conveyor Dishwasher

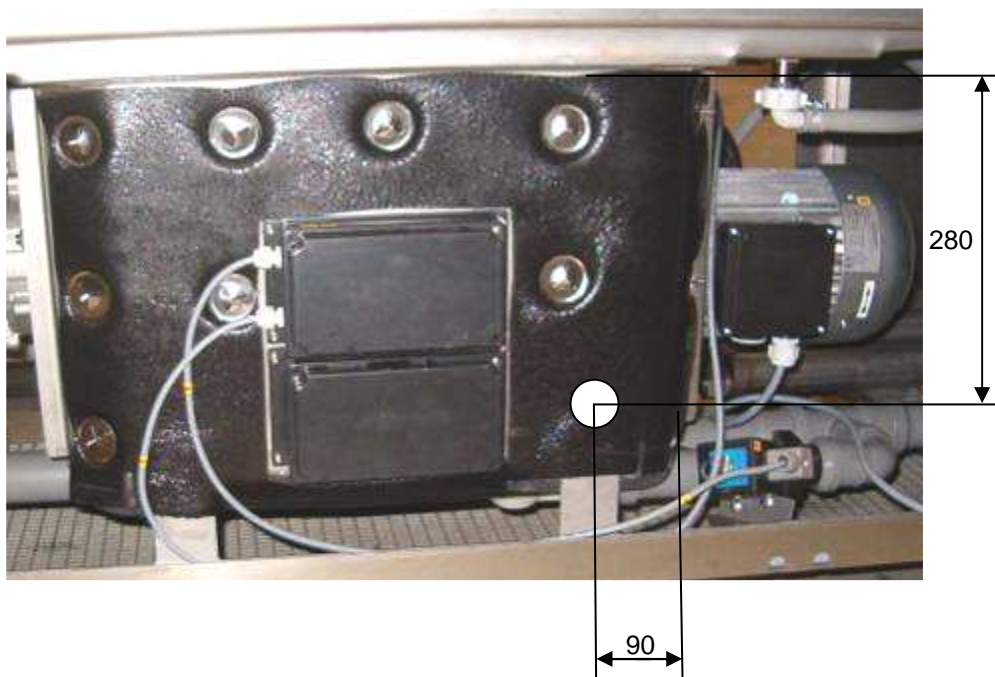
Supplier Specifications for installing dosing devices on conveyor utensil washers

FUX

Measurement of conductivity

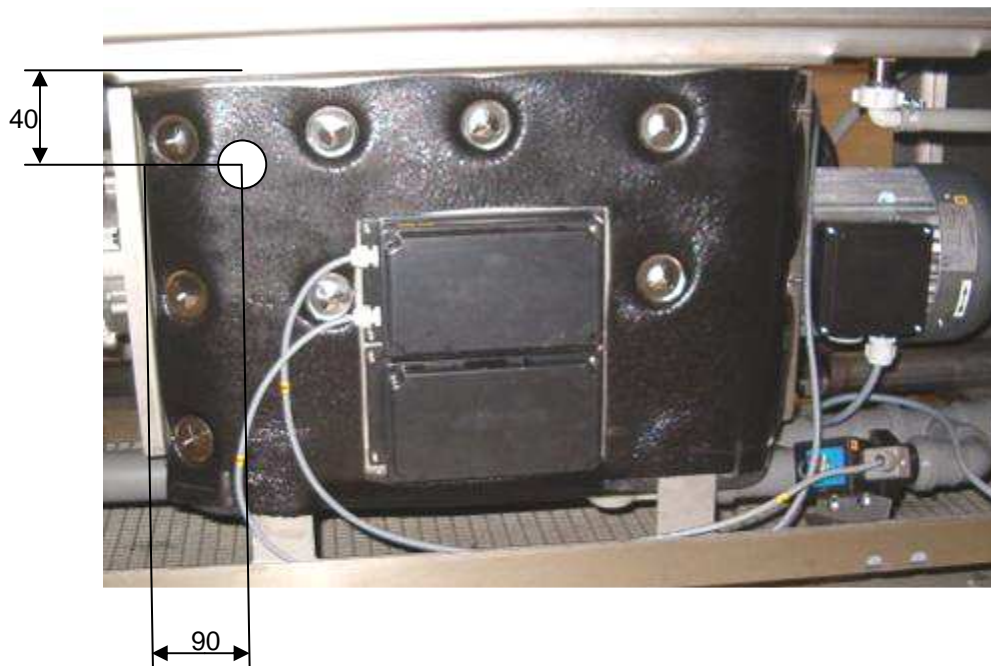
The measurement of conductivity has to be carried out in the area of the pump intake in the lower area at the front of the wash tank preferably. The drilling has to be chosen according to the probe.

The probe may protrude max. 100mm inside the wash tank.



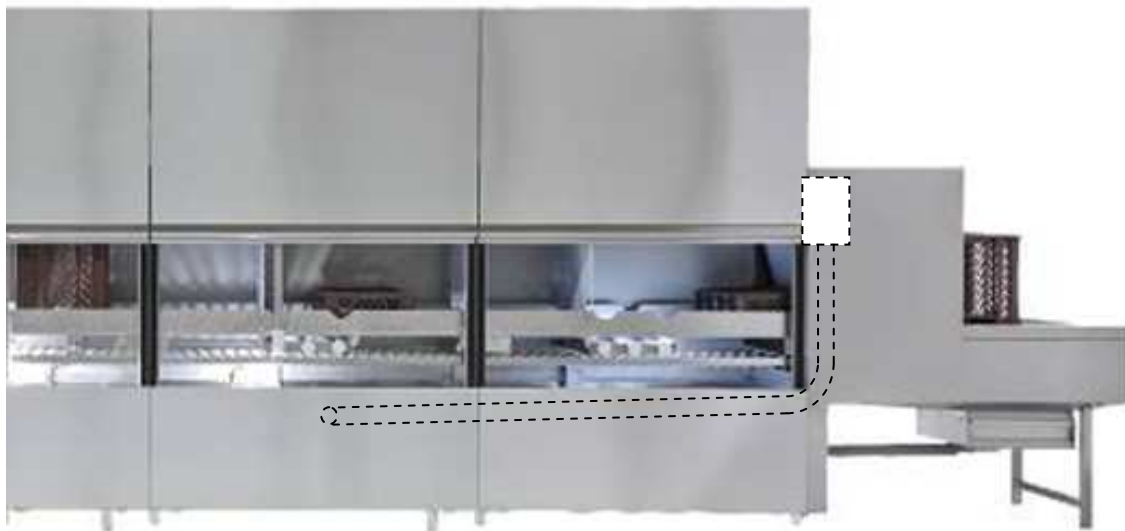
Dosing of liquid detergent

Liquid detergent is brought in with pressure. The injection point is on the front of the wash tank. The drilling has to be chosen according to the Dosing device fitting.

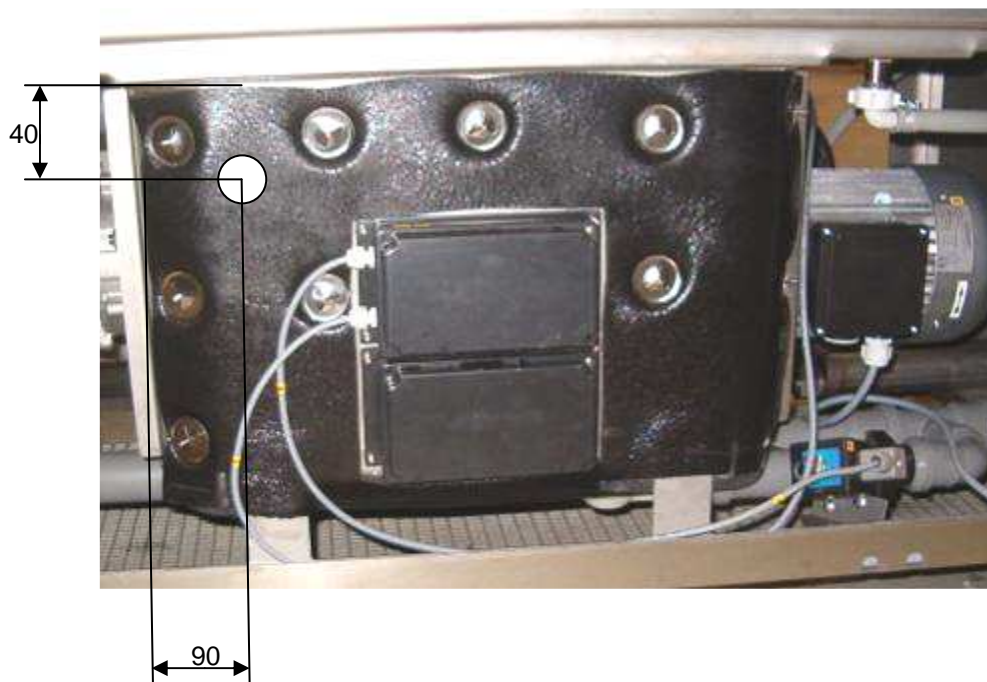


Dosing of powder or Solid detergent

The dosing device can be attached in the upper area of the entry hood. For drilling the panel has to be removed to prevent that electrical wiring are damaged. The pipework can be led to the corresponding washing tank with descent behind the panels.



The position of the intake to the wash tank is represented in the following picture. The drilling diameter has to be chosen according to the fitting. It has to be paid attention that the pipework is laid according to the available space.



IMPORTANT**Pre dosing**

Optimal wash performance will be only be delivered if the concentration of detergent is pre-dosed to the target value in all wash tanks from the beginning of the wash process.

This is achieved when detergent is dosed to the wash tank during the filling of the machine.

An interface for the dosing equipment is provided in the control box of the dish washer using terminals (XD...) which have assigned defined functions.

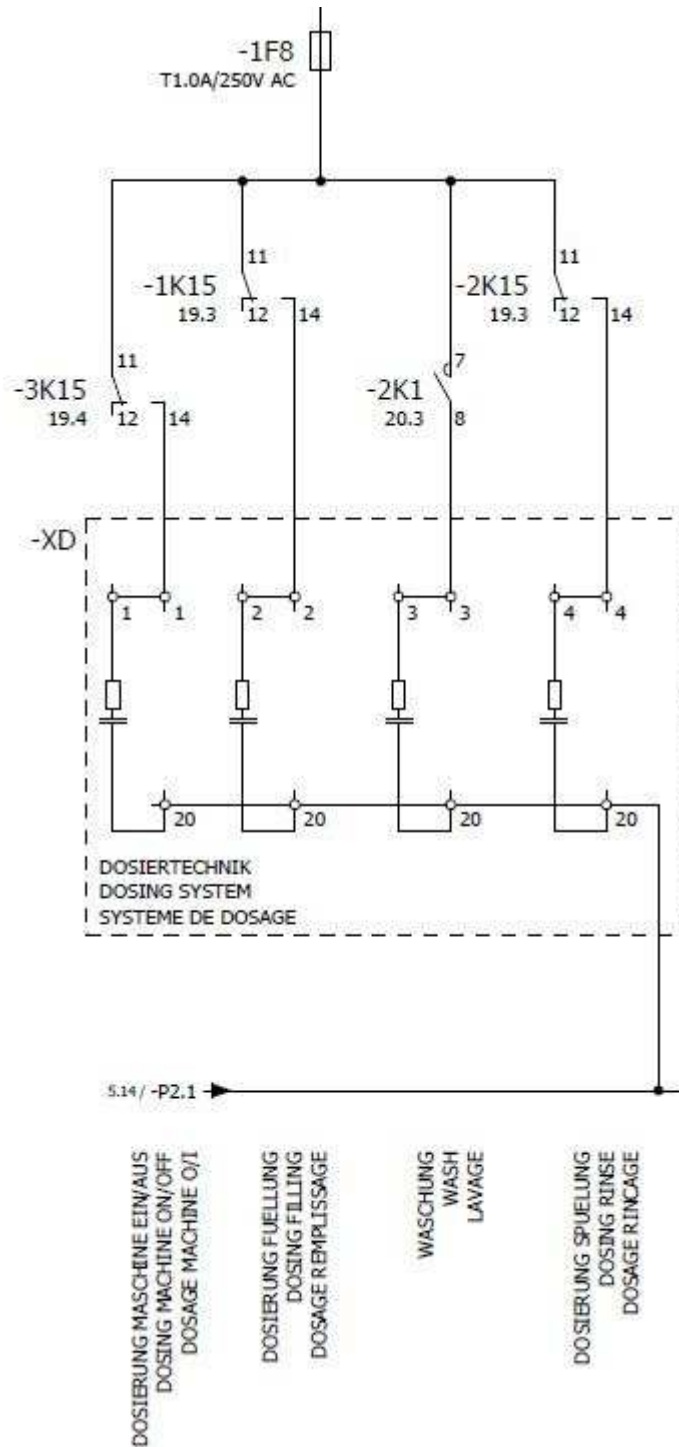
Terminal XD2 indicates the operating state of the fill valve (open/closed) and is used as activation of the pre dosing.

On Machines with Protronic Plus control, parameters for the terminal XD2 are set in the configuration menu. XD2 is configured if parameter “c” is set (factory-aligned).

Functions of terminals:

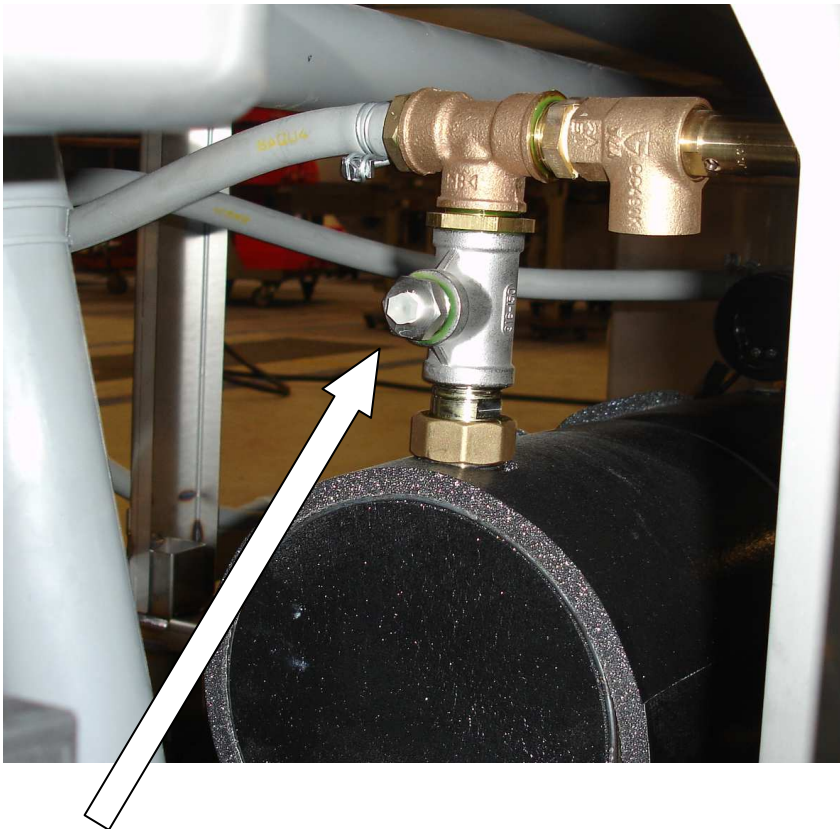
XD 20	„Neutral“	(P2 of control current)	
XD 1	ON	(main switch ON)	
XD 2	FILL	(fill valve open)	Signal for pre dosing detergent
XD 3	WASH	(wash pump ON)	Signal for dosing detergent
XD 4	RINSE	(rinse pump ON)	Signal for dosing rinse aid

Sample section of wiring diagram



Dosing of rinse aid

Above the booster a G 1/8" connection thread is in the supply pipe.
Through this an optimal intermixing of rinse aid is reached.



G1/8 " Connection thread

Technical Data

Water quantity PROFI FTNi (guide value)

		Conveyor width 612	Conveyor width 760	Conveyor width 965			
Tank volume Pre-wash	S	125 Liter	151 Liter	185 Liter			
Tank volume Main-wash	A- Machine A-A- Machine A-A-A- Machine	125 Liter 2x 125 Liter 3x 125 Liter	151 Liter 2x 151 Liter 3x 151 Liter	185 Liter 2x 185 Liter 3x 185 Liter			
Fresh water consumption at speed / program							
F / PF – rinse system	Configuration	Conveyor width	Tank regeneration F / PF in %	Empty spaces (only with PROTRONIC XL)	Speed t 1 F / PF	Speed 2 F / PF	Speed 3 F / PF
	S-A	612	100 / 40	80	210 / 190	260 / 240	310 / 280
		760	100 / 40	100	310 / 280	360 / 320	410 / 370
		965	100 / 40	100	440 / 390	490 / 440	530 / 480
	S-A-A	612	100 / 40	80	260 / 230	310 / 280	360 / 320
		760	100 / 40	100	400 / 360	450 / 410	500 / 460
		965	100 / 40	100	490 / 450	550 / 500	590 / 540
	S-A-A-A	612	100 / 40	80	290 / 260	340 / 300	390 / 350
		760	100 / 40	100	460 / 420	510 / 470	560 / 510
		965	100 / 40	100	570 / 510	620 / 560	660 / 600

Setting of rinse aid dosing at speed 2 with autotimer activated as shown.



Recommended dosing concentration

Concentration of detergent and rinse aid depends on soil concentration (pre scrapping), water conditions and wash ware type. Typical recommended concentration levels are as follows:

Detergent: 2 – 4 g/l (of tank regeneration)
Rinse aid: 0,2 – 0,5 g/l (of rinse water consumption)

Temperatures:

	Temperatures
Pre wash	45 – 55°C
Main wash	min. 60°C
Pumped rinse	60 – 65°C
Final rinse	80 – 85°C

As continued product improvement is a policy of HOBART, specifications are subject to change without notice.