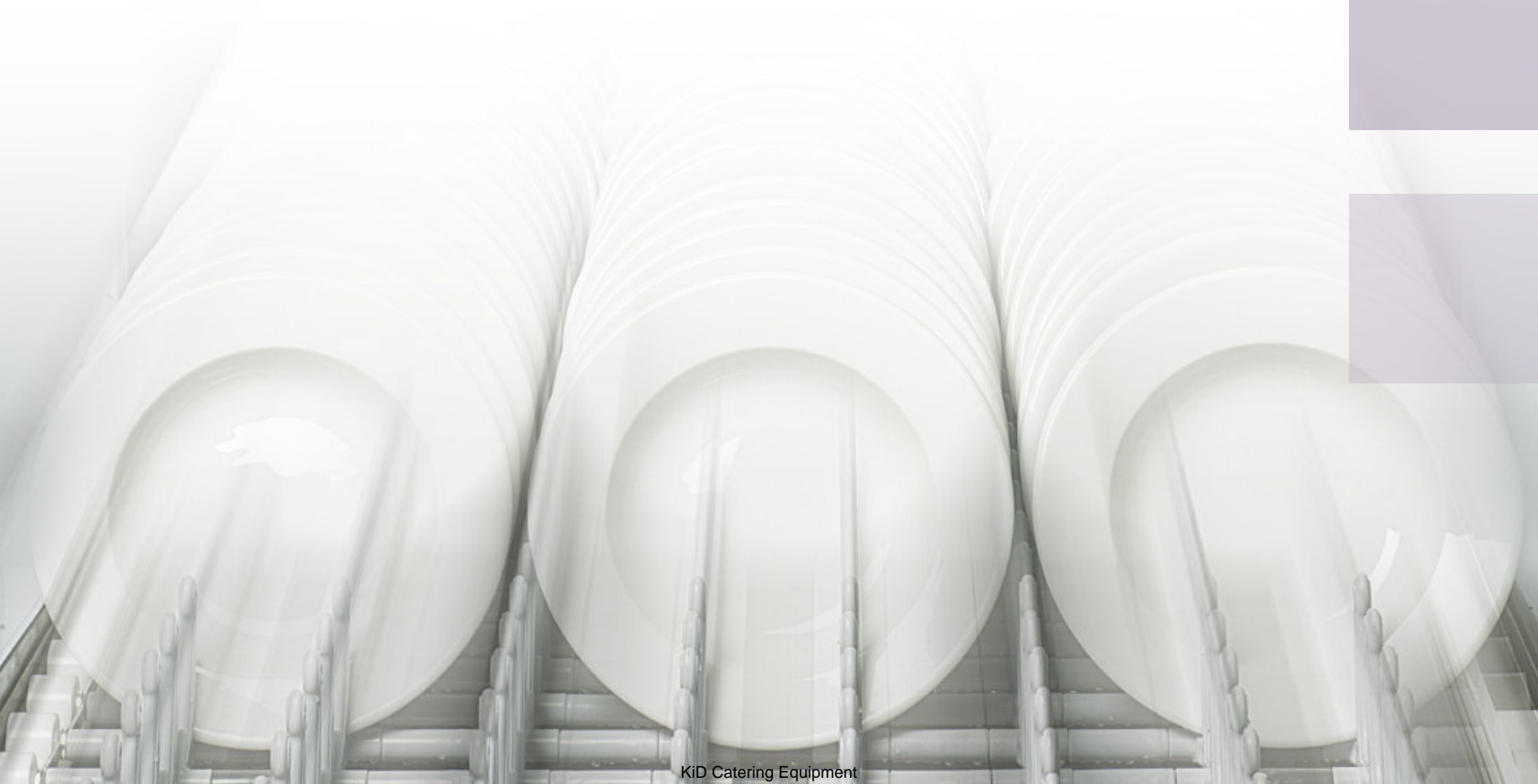




flight conveyor dishwashers
it's the details that make the difference





spotlessly clean
plates every time

Maidaid Halcyon has been setting standards of excellence for the professional kitchen since 1974. Now our dishwashing expertise and advanced technology combines to bring you a new generation of flight conveyor dishwashing systems designed to deliver superb energy efficiency. Eight different washing solutions, all offering the best in cleanliness and hygiene, whilst reducing cycle times and operating costs.

Sophisticated engineering, reduced detergent usage, water treatment and a comprehensive range of accessories create the perfect combination of economy and efficiency. Maidaid Halcyon works closely with you on consultancy, planning and engineering services to ensure you achieve the perfect large scale dishwashing solution. The FX Flight Conveyor is used in some of the world's busiest and most successful professional kitchens. What better testimony could there be?

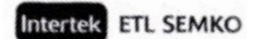




Please ask us for more information on:

- AX - Basket conveyor
- BX - Small crate washing rack type
- CX - Large crate washing flight type
- MX - Heavy duty crate washing flight type
- TX - Tray washing
- Pot washers granular type

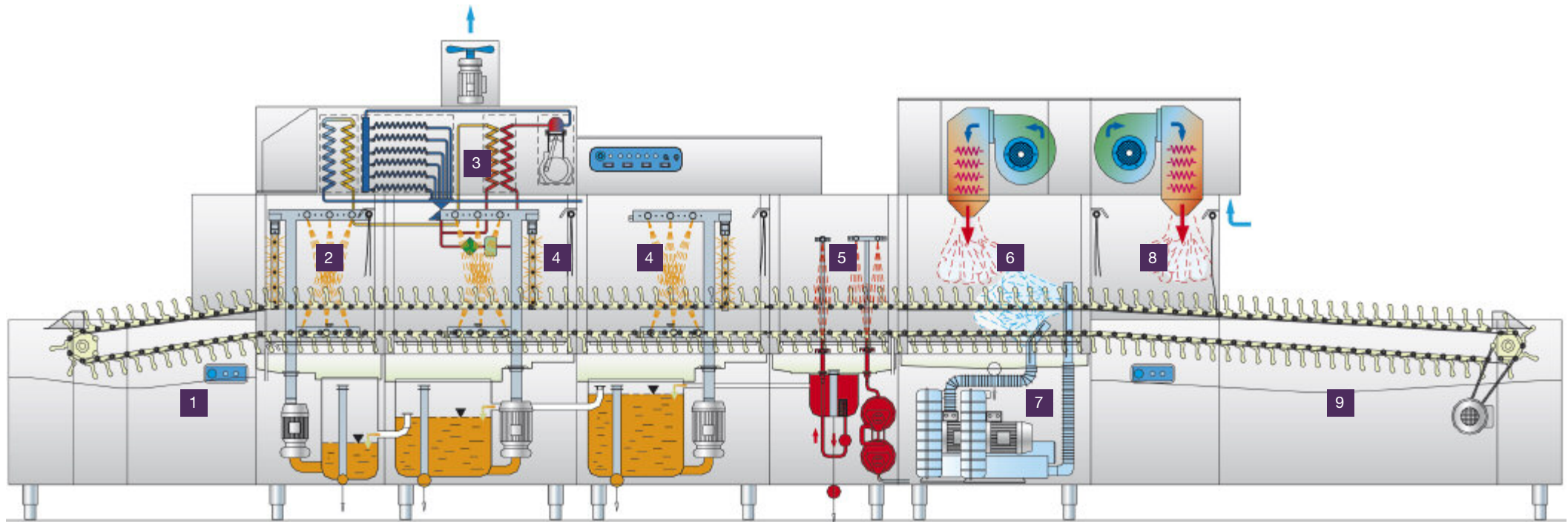
International Accreditations



Worldwide Installations

Wentworth Golf Club - (UK), Banca d'Italia - Roma (Italy), London Zoo - (UK), Ministero della Salute (Health Ministry) - Roma (Italy), Comando Generale dei Carabinieri (Police General Headquarters) - Roma (Italy), Munich (Germany), Drayton Manor Park (UK), France Telecom - Paris (France), Roland Garros Tennis Centre (France), Royal Olympic Hotel - Athens (Greece), Duma - Russian Parliament (Russia), Federal Russian Space Agency - Moscow (Russia), ICC - Birmingham (UK), Kempinsky Hotel - Sofia (Bulgaria), Four Seasons Hotel - Cairo (Egypt), Movenpick Hotel - Sharm El-Sheikh (Egypt), Safir Hotel - Beirut (Lebanon), King Fahd Hospital - Riyadh (Saudi Arabia), King Hussein Conference Centre - Amman (Jordan), The Pride Hotel - Mumbai (India), The Castle - Cape Town (South Africa), Ambatory Hotel - Antananarivo (Madagascar), IT Carlow College - Dublin (Ireland), Le Gallieni - Noumea (New Caledonia), Holiday Inn - Birmingham (UK), Woolworths - Sydney (Australia), Coles - Melbourne (Australia)

features



1

inlet zone

2

prewash

3

heat recovery
with pump

4

power wash

5

double
rinse

6

stage
dryer

7

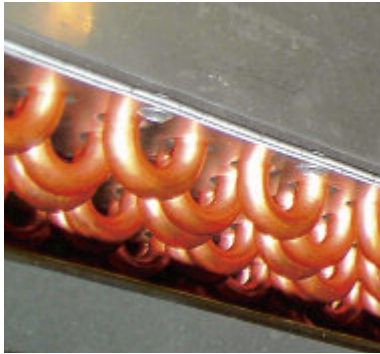
turboblower

8

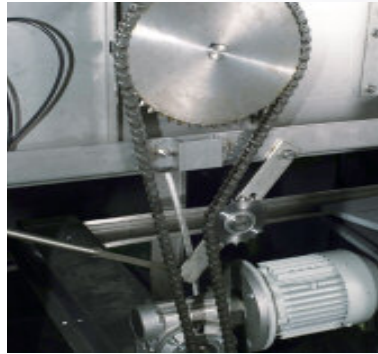
shelf dryer

9

outlet zone



Kinematic heat recovery systems designed to maximise energy efficiency.



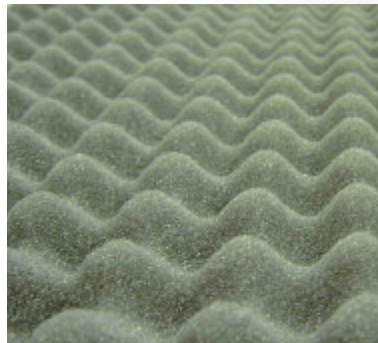
Two speed belt drive with safety clutch. Variable speed inverter for special applications.



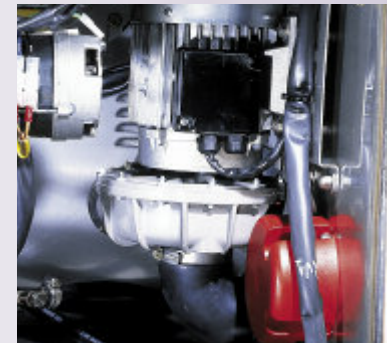
Overlapping surface filter trays with deep scrap catching box prevent food debris getting into the wash system.



Double skin insulated guillotine doors, spring assisted for easy opening and fitted with safety catch for security when cleaning the machine.



Double skin with thermal acoustic insulation available.



High capacity, self-cleaning vertical wash-pumps. Stainless steel version as an option.



Inlet zone fitted with easily removed and cleaned full width surface filters accessed through interlocked safety doors. Identical filters can be supplied for the outlet zone.



Stainless AISI wash tanks with rounded corners to avoid dirt traps and aid cleaning.



Additional vertical wash spray arms dramatically improve performance.



‘when the pressure’s on,
it’s vital that equipment
is totally reliable - the FX
performs perfectly’



Bayonet type fast coupling wash arms with concave self-cleaning impressed jets. Top/bottom flow balancing fitted as standard.



Belt fingers are designed for strength and durability, holding products at the optimum angle for best cleaning action.



The centralised drain plug aids complete emptying of the tank without removal.

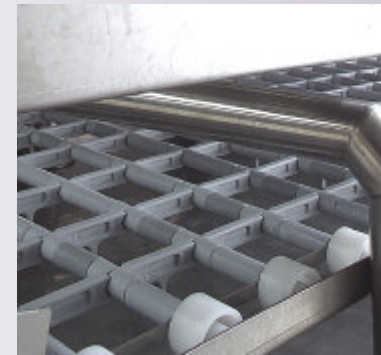
features



Shelf dryer for smaller models and stage dryer for larger models. Both give a strong jet of preheated air.



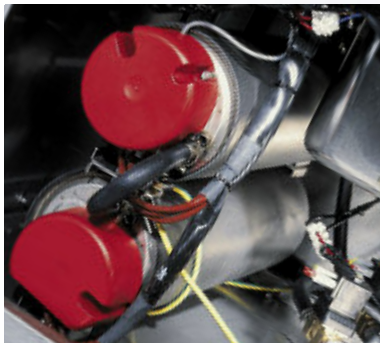
Rinse economiser activates only as product is driven past the curtain of nylon rods which are carefully balanced to avoid damage to the most delicate of glass or crockery.



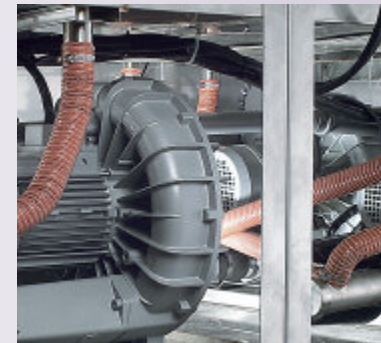
The turbo-blowers feed the air nozzles position under and to the sides of the belt.



Dryer air jet from knife edge slot is angled on all models to optimise the drying of products.



AISI 316 stainless steel boilers, fully insulated to reduce thermal losses.



Optional turbo-blowers, dry plastic containers and crates for immediate re-use. They achieve a minimum amount of moisture on surfaces, due to a high pressure air vortex.

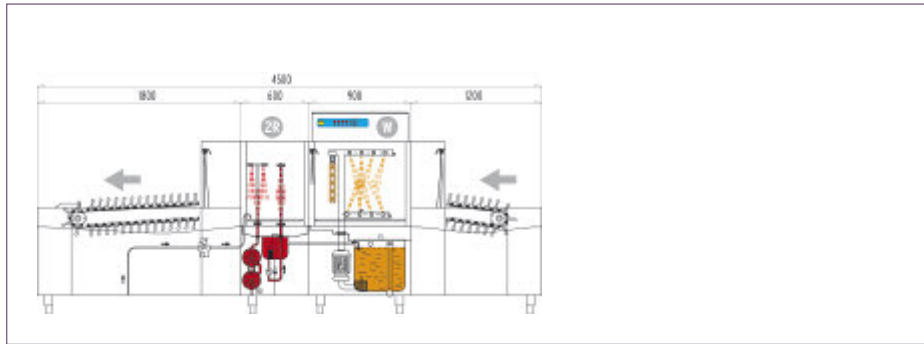


Deep-formed pre-wash tank, with rounded corners, designed to prevent thermal losses & guarantee a high temperature double-rinse. Pre-rinse & rinse arms fitted with stainless steel nozzles.



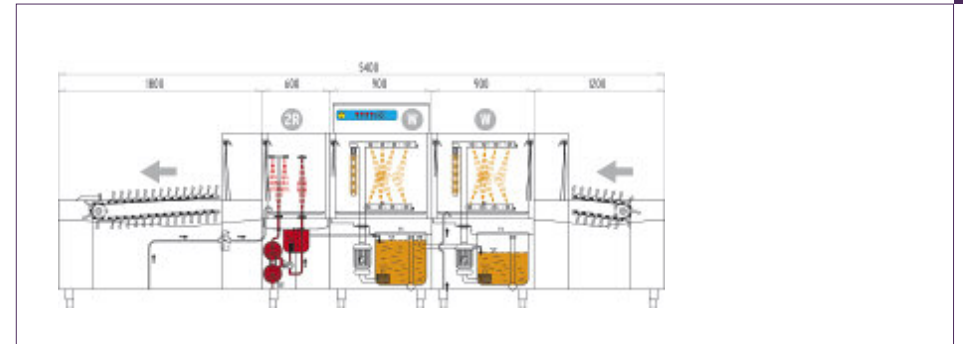
Easy clean, soft touch, low voltage electronic control panel with digital temperature displays for each wash and rinse section.

models



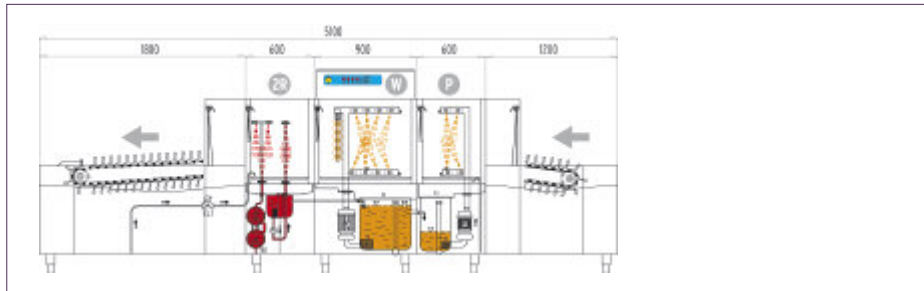
FX250

Main wash with reinforced double rinse.
2400 - 3710 plates per hour.



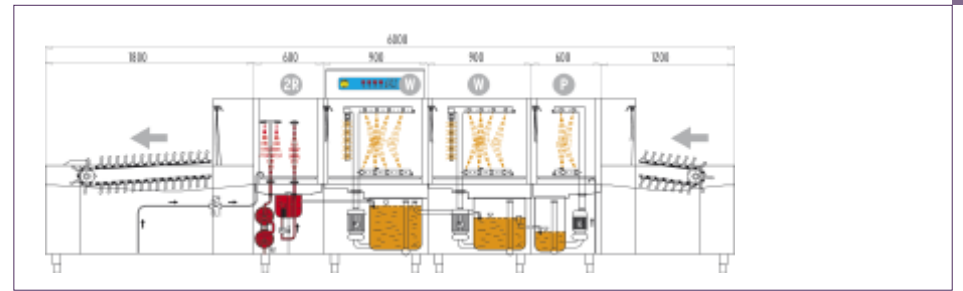
FX420

First and second wash with reinforced double rinse.
3200 - 4820 plates per hour.



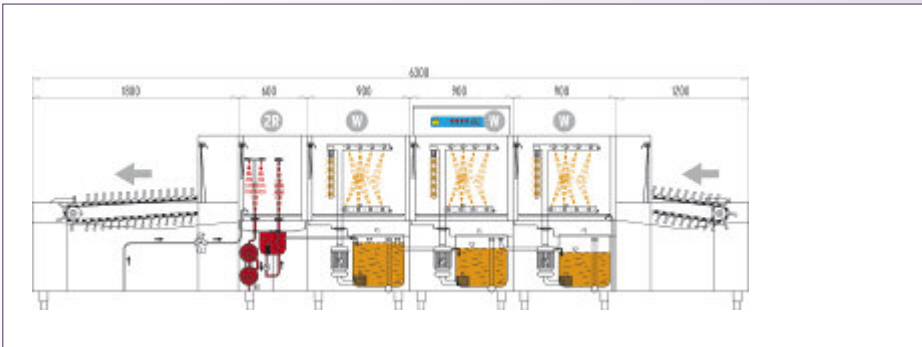
FX380

Pre and main wash with reinforced double rinse.
2700 - 4080 plates per hour.



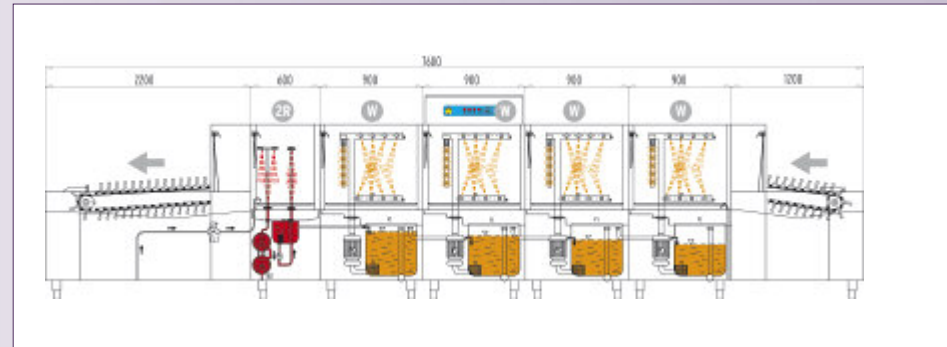
FX540

Pre, first and second wash with reinforced double rinse.
4200 - 6360 plates per hour.



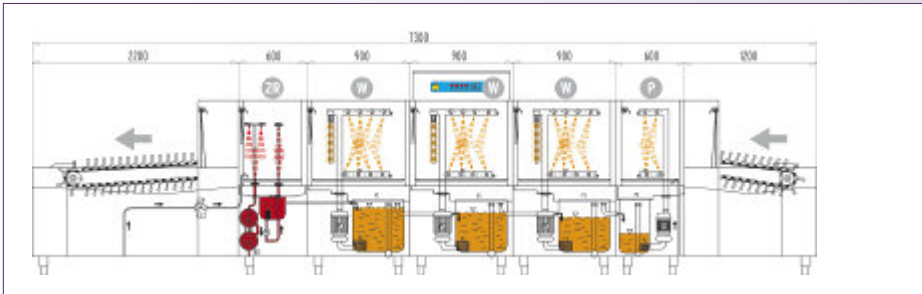
FX600

First, second and third wash with reinforced double rinse.
4500 - 6800 plates per hour.



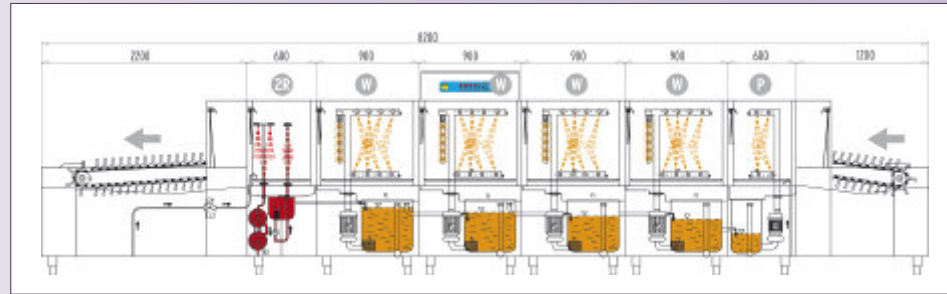
FX780

First, second, third and fourth wash with reinforced double rinse.
6000 - 9070 plates per hour.



FX680

Pre, first, second and third wash with reinforced double rinse.
5400 - 8160 plates per hour.



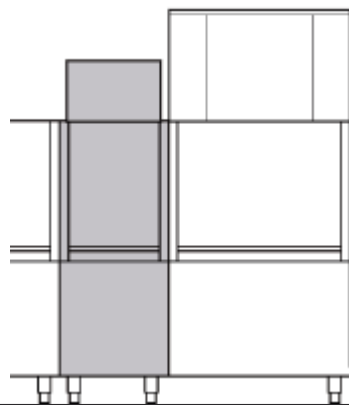
FX900

Pre, first, second, third and fourth wash with reinforced double rinse.
6600 - 10000 plates per hour.

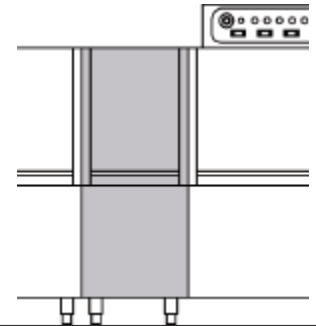


‘our FX gives us a state of the art handling system and, what’s more it is completely custom-made to fit our requirements’

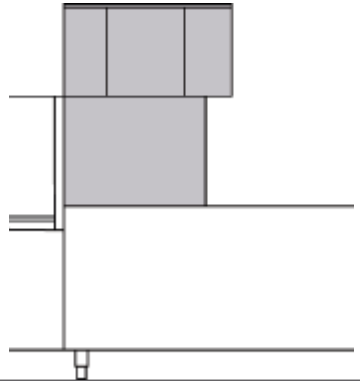
options



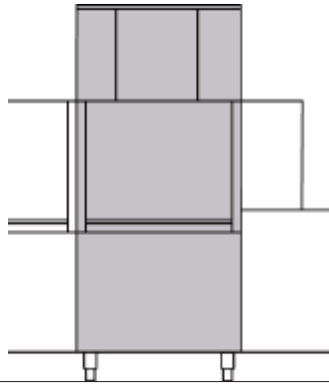
FC88
600mm dryer space with door.
Allows natural water run off before dryer module.



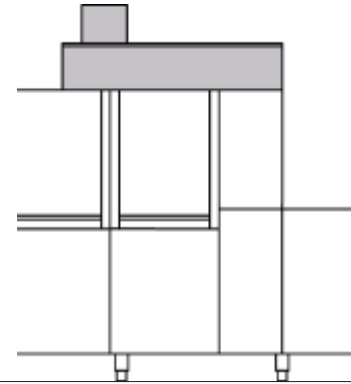
FC89
600mm neutral zone with door.
Allows settlement or prevents carry over contamination between wash modules or wash and rinse modules for sensitive products.



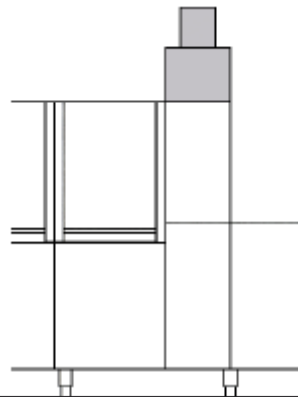
FC90/2
600mm shelf dryer 12kw.
Sits over the exit zone when space is at a premium.



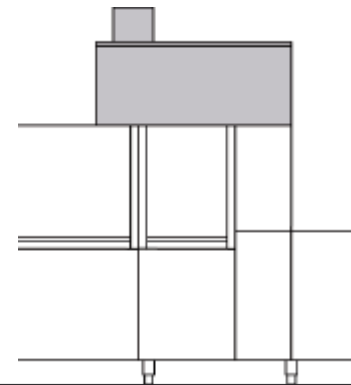
FC90/4
 900mm stage dryer 12kw
 Turbo-blowers maybe
 mounted in the base of
 this section.



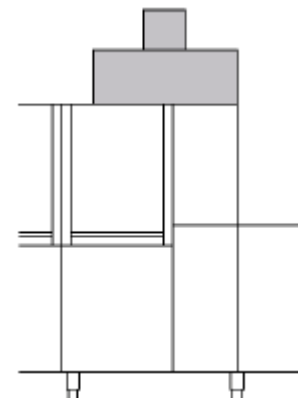
FC98
 Heat recovery



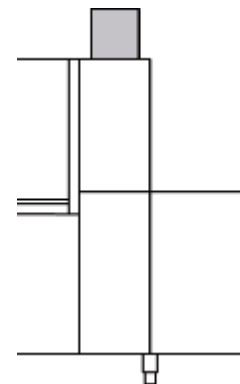
FC91
 Steam condenser



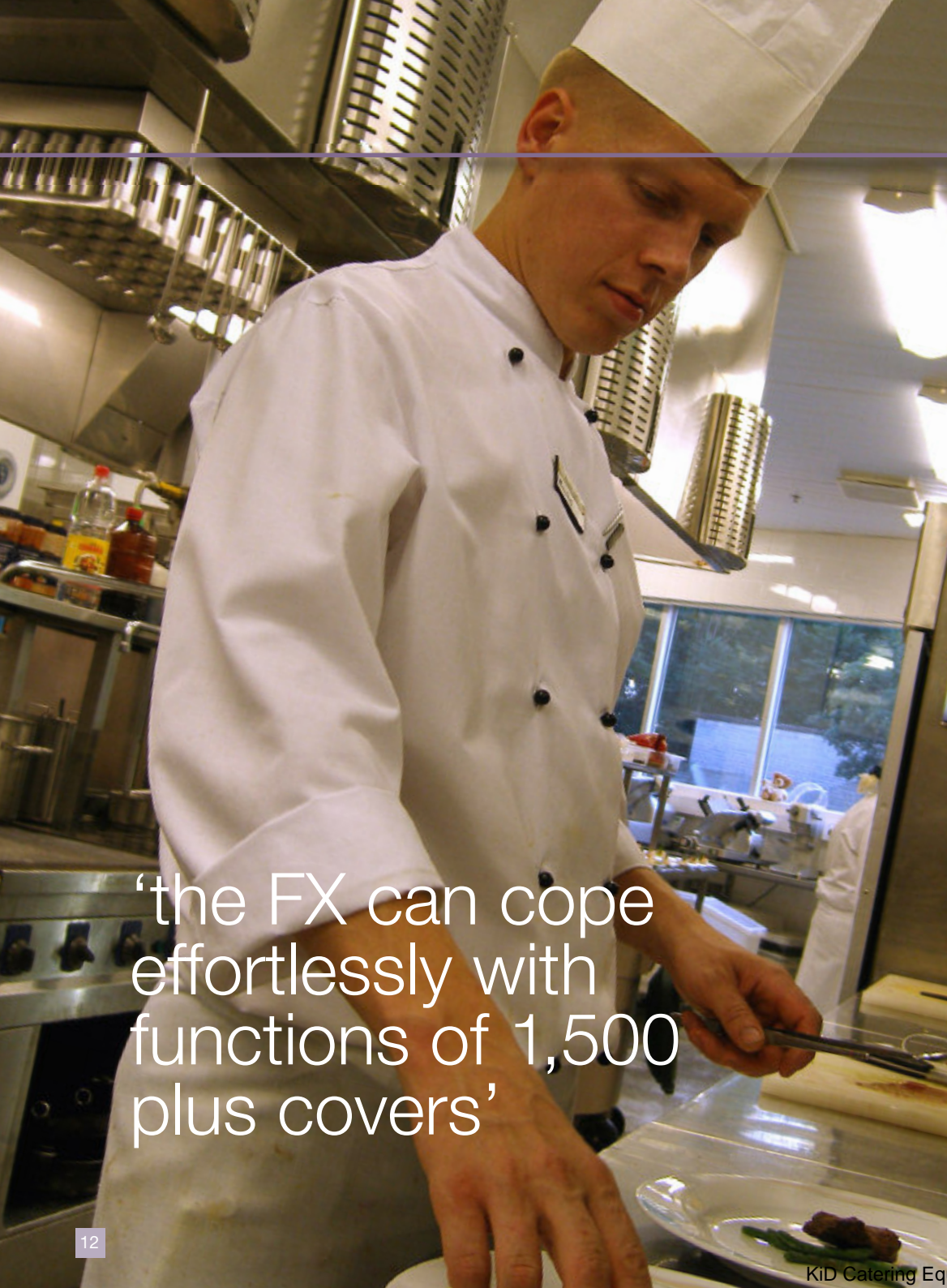
FC99/1
 Heat recovery with
 heat pump



FC91R
 Compact heat recovery

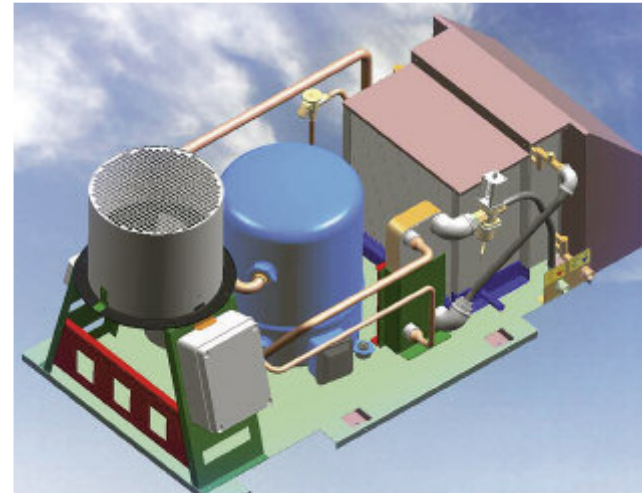


FC94
 Collar for splash guard



‘the FX can cope effortlessly with functions of 1,500 plus covers’

options

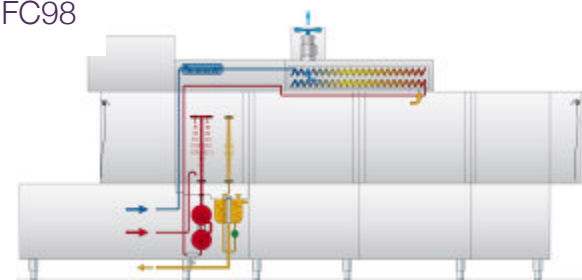


FC98 Heat Recovery, FC99 Heat Recovery with heat pump.

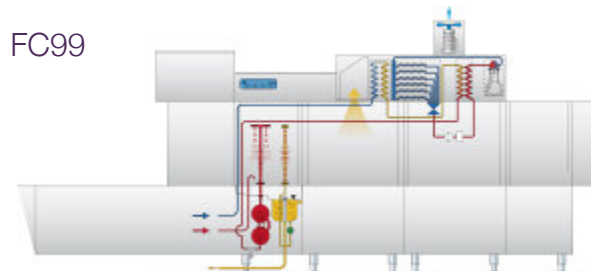
The waste heat recovery option retrieves energy produced through the condensation process and allows dishwashers to operate with cold water (except the first daily load, which should always use hot water), without additional energy costs.

Humidity is reduced for a better working atmosphere, thereby reducing the overuse of building air conditioning systems.

FC98



FC99





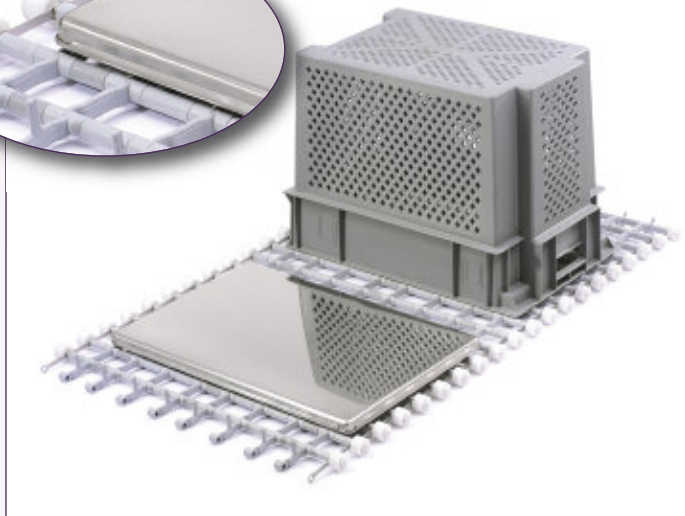
Standard belt for crockery, glasses and cutlery using suitable baskets.



Special belt for thermal trays of various thickness.



Standard belt for self service trays, mixing bowls and service gastronorms.

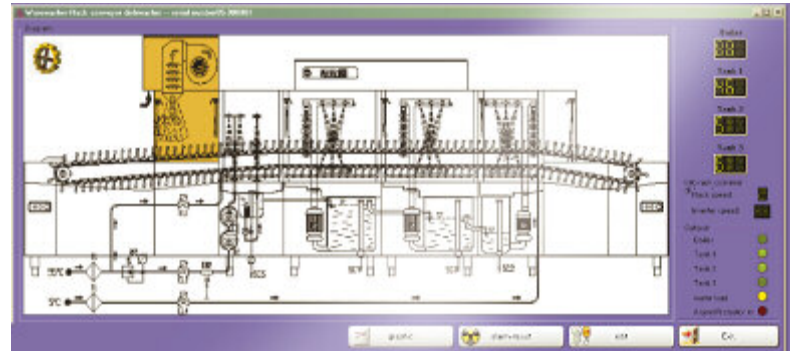


Special small pegged belt for crates, flat pans and general containers.

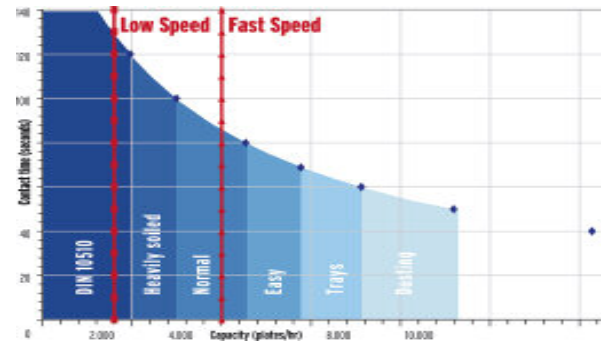


options

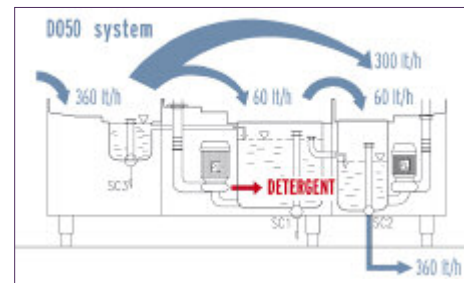
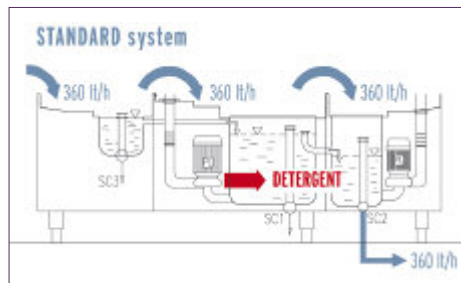
10,000 dishes an hour;
3 plates washed per row; superb wash results



HACCP monitoring. A dedicated software to manage and store the data flow, available on request.



To sanitise dishes, the DIN 10510 norms prescribe a minimum contact time between the detergent and the surfaces to sanitise, proportional to the bacterial load existing on the surfaces themselves.



DO50. A detergent saving system that deviates part of the rinse water to the pre-wash tank, to reduce the detergent needed in the wash area.

washing solutions



Maidaid Halcyon offers complete custom-made washing solutions, personalised design to customers' lay-out and state-of-the-art handling systems.

There are endless possibilities. Let us help you find the perfect solution for your requirements.

Ring us today for help and advice on

0333 123 2450

technical specifications



| | | FX250 | FX380 | FX420 | FX540 | FX600 | FX680 | FX780 | FX900 |
|-----------------------|--------|----------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Dishes per hour | | 2400/3710 | 2700/4080 | 3200/4820 | 4200/6360 | 4500/6800 | 5400/8160 | 6000/9070 | 6600/1000 |
| Conveyor belt speed | Mt/min | 0.8/1.23 | 0.9/1.35 | 1/1.6 | 1.4/2.15 | 1.45/2.25 | 1.75/2.7 | 1.95/3 | 2.15/3.3 |
| Pre-wash | | | | | | | | | |
| Pump power | kW | / | 0.9 | 2 | 0.9 | 2 | 0.9 | 2 | 0.9 |
| Pump capacity | lt/min | / | 400 | 700 | 400 | 700 | 400 | 700 | 400 |
| Tank capacity | lt | / | 70 | 110 | 70 | 110 | 70 | 110 | 70 |
| 1st wash | | | | | | | | | |
| Wash pump power | kW | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Pump capacity | lt/min | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 |
| Tank capacity | lt | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 |
| Heating element | kW | 14 | 14 | 14 | 12 | 12 | 12 | 12 | 12 |
| 2nd wash | | | | | | | | | |
| Wash pump power | kW | / | / | / | 2 | 2 | 2 | 2 | 2 |
| Pump capacity | lt/min | / | / | / | 700 | 700 | 700 | 700 | 700 |
| Tank capacity | lt | / | / | / | 110 | 110 | 110 | 110 | 110 |
| Heating element | kW | / | / | / | 14 | 14 | 12 | 12 | 12 |
| 3rd Wash | | | | | | | | | |
| Wash pump power | kW | / | / | / | / | / | 2 | 2 | 2 |
| Pump capacity | lt/min | / | / | / | / | / | 700 | 700 | 700 |
| Tank capacity | lt | / | / | / | / | / | 110 | 110 | 110 |
| Heating element | kW | / | / | / | / | / | 14 | 14 | 12 |
| 4th Wash | | | | | | | | | |
| Wash pump power | kW | / | / | / | / | / | / | / | 2 |
| Pump capacity | lt/min | / | / | / | / | / | / | / | 700 |
| Tank capacity | lt | / | / | / | / | / | / | / | 110 |
| Heating element | kW | / | / | / | / | / | / | / | 14 |
| Double Rinse | | | | | | | | | |
| Water consumption | lt/hr | 285 | 300 | 325 | 360 | 420 | 380 | 380 | 420 |
| Heating element | kW | 15 | 18 | 18 | 18 | 21 | 18 | 18 | 2X12 |
| Boiler capacity | lt | 10x2 – 20x1 | 10x2 – 20x1 | 10x2 – 20x1 | 10x2 – 20x1 | 10x2 – 20x1 | 10x3 – 20x1 | 10x3 – 20x1 | 10x3 – 20x1 |
| Tank capacity | lt | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Pump power | kW | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Pump capacity | lt/min | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| Belt Drive | | | | | | | | | |
| Motor power | kW | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| Water Supply | | | | | | | | | |
| Pressure range | bar | 1.5-6.0 | 1.5-6.0 | 1.5-6.0 | 1.5-6.0 | 1.5-6.0 | 1.5-6.0 | 1.5-6.0 | 1.5-6.0 |
| Options | | | | | | | | | |
| Dryer modules | | FC90/2, FC90/4 | FC90/2, FC90/4 | FC90/2, FC90/4 | FC90/2, FC90/4 | FC90/2, FC90/4 | FC90/2, FC90/4 | FC90/2, FC90/4 | FC90/2, FC90/4 |
| Dryer space | | FC88 | FC88 | FC88 | FC88 | FC88 | FC88 | FC88 | FC88 |
| Neutral zone | | FC89 | FC89 | FC89 | FC89 | FC89 | FC89 | FC89 | FC89 |
| Steam condenser | | FC91 | FC91 | FC91 | FC91 | FC91 | FC91 | FC91 | FC91 |
| Heat recovery modules | | FC91R | FC91R, FC98, FC99/1 | FC98, FC99/1 | FC98, FC99/1 | FC98, FC99/1 | FC98, FC99/1 | FC98, FC99/1 | FC98, FC99/1 |
| Vent collar | | FC94 | FC94 | FC94 | FC94 | FC94 | FC94 | FC94 | FC94 |

Steam powered machines also available - please ask for more information

Options

| | | Dryer Modules | | | |
|-------------------------|------|-------------------------------|--------|--------|--|
| | Code | FC90/2 | FC90/4 | | |
| Length | mm | 600 | 900 | | |
| Fan power | kW | 0.75 | 0.75 | | |
| Air movement | m3/h | 1000 | 1000 | | |
| Heating elements | kW | 12 | 12 | | |
| | | Steam condenser – Module FC91 | | | |
| Fan power | kW | 0.18 | | | |
| Air movement | m3/h | 350 | | | |
| | | Heat Recovery Modules | | | |
| | Code | FC91 R | FC98 | FC99/1 | |
| Fan power | kW | 0.18 | 0.18 | 0.18 | |
| Air movement | m3/h | 350 | 350 | 350 | |
| Potential heat recovery | kW | 12 | 12 | 20 | |

Stainless steel wash pumps, detergent and rinse aid dosing, thermal and acoustic insulation, booster pump for external water supply, thermal wash tank insulation, D050 detergent optimiser, HACCP, triple rinse, turbo blowers, extended unloading and loading sections, low level loading sections, speed variator and many more.

Quality Control

Quality of product and after-sales service is based on the operation of systems to the internationally recognised quality standard BS EN ISO 9002. However, above all else, quality of service results from the abilities, motivation and team work of people within the company.



All machines suitable for connection to 400/415 Volt 3 phase, neutral and earth 50Hz
 Power requirements based on water supply of 55°C, additional rinse element of 12 kW required for water supply of 15°C
 Overall belt width 710mm useful clearance height 450mm. Maximum water hardness 10°F
 All models can be supplied for steam heating, consumption figures available on request.

In the event of further technical development we reserve the right to alter our design and specification without notice