



800

CAGE AND RACK WASHER

- Full glass sliding door for ease of loading and observation
- Excellent water circulation and coverage
- 15 to 20-minute wash cycle, ideal for medium size facilities
- Unique hot air blowing-dryer with heat recovery system



"The most cost effective quality based cage and rack washing solution for our small size of operation".



WASHING

iwt
a **TECNIPLAST** company

1/Introduction

IWT is pleased to announce the introduction of the 800 series washer, a new machine which will complete the well established family of IWT rack washers, comprising to date the 900 Green Power and the 900-XL series respectively.

The 800 series cage and rack washer is a simple, cost-effective washer with an excellent cycle time performance and competitive energy and utility consumption, whilst featuring the same unparalleled manufacturing quality and robustness which are the hallmark of IWT washers.

2/Cleaning Efficiency

Nearly 700 litres of water (185 gallons) per minute is pumped right into the heart of the load at over 1 bar (15 psi) pressure at the jet! Our unique, pneumatically driven double arm system with 64 purposely positioned nozzles ensures excellent coverage of the load during both rinse and wash phases. This combination of water flow and pressure provides an outstanding cleaning performance with up to 3 cycles per hour (more than 300 mouse cages per hour), making this machine ideal for small to medium size facilities or as a backup to high throughput rack washers (900GP and 900XL series) or GP series tunnel washers (with or without robots) in large-scale operations.

3/User-Centric Ergonomics

Sliding doors greatly facilitate loading/unloading activities in a constrained area when logistics represent the critical factor. The additional technical vane on one side is compact and access (for service purposes) can take place either from the soiled front through a hinged door or from the side, according to the installation lay-out.

The in-line back-flush self-cleaning filter, adopted from the highly successful 900-GP series, ensures minimal maintenance tasks - at most manual hosing-down once a week.

The operator interface takes the form of a coloured touch screen display with multiple level password control and extensive self-diagnosis capabilities, to speed up fault identification and trouble-shooting procedures when required.

As for all washing and automation equipment from IWT, Real-View™ is available on demand as the true turn-key solution for remote data management and process monitoring.

4/Safety - Our Number One Priority

Safety is assured by means of clearly marked external emergency stop buttons at both load and unload sides as well as an easy-to-grasp, highly-visible red emergency wire on the inside.

The full glass doors facilitate observation of what is going on inside the chamber as well as improving work co-ordination between the two sides of the barrier.

The door sliding mechanism is pneumatically driven and incorporates a unique touch-and-stop™ sensor to prevent people or loads from getting jammed in between at any time.

Our machines are designed with reduced environmental impact in mind, including very limited heat loss and noise emission (below 70 dBA) thanks to the fully insulated chamber and panels and double glazed doors.

5/Flexibility is a Key Word

In a competitive and constantly evolving world, equipment has to be built today to meet the requirements and challenges of tomorrow. The IWT 800 series rack washer offers a great range of high value options including:

- Hot air drying circuit (steam heated) complete with top mounted heat recovery system.
- Tilting floor devices to facilitate water runoff.
- Bottle washing cart with quick-lock connection.
- Rack auto-watering manifold flushing system with filtered fresh hot water.
- Discharge water pH control and cooling option.
- And many others, consult your IWT representative!

6/Quality Construction

Smooth cabinet work, self-draining orbital welded pipes and tri-clamp connections mean no cavities and diminished potential dirt traps and water stagnation. No mild steel, rubber or copper fittings are ever used! Full sound-proof insulation, double glazed doors, vibration-free adjustable feet and top class components such as the Siemens controller and operator interface are all evidence of our constant commitment to superior product quality.



WASHING

800 Series Rack Washer

Introduction

1



Cleaning Efficiency

2



User-Centric Ergonomics

3



TECHNICAL SHEET

800 Series Cage and Rack Washer*

Code	Doors	User Dimensions (mm/inch)	Exterior Dimensions (mm/inch)	Pit Depth (mm/inch)
9LAVS800**	1 or 2	2050 x 950 x 2100 80.5 x 37.5 x 82.5	2500 x 2850 x 2600 98.5 x 112 x 102	150 6

* Shipped dismounted as standard for ease of introduction and installation
 ** Electrically heated versions are available when supplied with hot water only.

Note:

- 1) Custom models are also available, please consult the factory for further details.
- 2) IWT will provide mechanical information, detailed service requirements and installation drawings upon request.

Flexibility is a Key Word

5



Safety - Our Number One Priority

4



Quality Construction

6



Options

- Chemical dosing pumps, up to 4 units per machine (9LAV800PD).
- Hot air (steam-heated only) blow-drying system, complete with air intake filter (9LAV800SHDS).
- Top mounted air-to-air heat recovery system, to be selected in conjunction with above dryer (9LAV800HR).
- Floor tilting system to facilitate water runoff (9LAV800FTS).
- Hardware and software predisposed for bottle washing, inclusive of quick lock connection to the bottle presentation cart (9LAV800BWK).
- Control panel mounted printer dispensing single ticket reports (9LAST801)
- Real View™, dedicated monitoring hardware/software set-up to relay relevant cycle data to the customer's PC, inclusive of self-diagnostic facility (9VIEWRW800).
- Flushing system complete with filter (5 µm), quick release recoil hose, side tank and pump to sanitise rack auto-watering manifolds.
- Water discharge control system, both cooling and pH control (9LAV800CPH).
- SAT-IQ-OQ-PQ validation protocol (9LAV800VAL).

Accessories

- Universal presentation rack for all plastic cages, SS lids and other accessories (ACCALS02).
- Baby universal presentation rack , 2 per load (ACCALS02AA).
- High density presentation rack to hold up to 120 mice cages (type I long), suitable for type II long or similar size (ACCALS02HD).
- Presentation cart with quick-lock coupling for washing up to 8 bottle crates (18 bottles each) on 2 levels (ACCABT800QL).
- S/s ramps, with adjustable feet and different degree of slope for pit-less installations (9LAV800RM).

Related Products

To maximise operational efficiency and learn more about these products contact your local representative.



BHS: highly reliable automated system using a combination of proven technologies to ensure totally smooth and simple material disposal and dispensing operations, cutting operator exposure and effort to a minimum.



Tunnel Washer GP series, effective soil removal from cages and true separation, resulting in the lowest water and energy consumption in the industry.



Logistic trolleys offer safety and ergonomic features that enable high load-density for moving cages and bottles, crates, pallets and covers.



Modular integrated bottle wash and fill equipment supports high throughput processing and staging of bottles and caps across the full range of automation.



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