

RJ-IW-Auto

Features

- Fully Modular Design
- Repeatable Cleaning Quality
- High Throughput Rates
- Internal and External Wash
- Automatic Leak Detection



The RJ-IW-Auto is a fully modular system and, as such, is fully adaptable to your individual cleaning requirements. In normal applications a full reconditioning line consists of five stages: external wash, internal wash, rinse, leak detection and drying

These continuous IBC washers ensure a repeatable cleaning quality and thanks to their intuitive design and control parameters they can be operated with little training or technical knowledge.



RJ-IWE - External Wash

The RJ-IWE is an external washing station that allows for the rapid cleaning of IBCs. The IBC is simply rolled onto the washing platform allowing the container to be rotated 360°.

Using a 2.9kW pump water is delivered to the outside of the IBC between 30 & 120 BAR by an external pressure washer. This process can be made more efficient by requesting the water be heated and recirculated, available as an optional extra.

This stage removes all external labels and stubborn stains is particularly important for reconditioning companies where without this crucial step the IBCs would not be suitable for resale.



Pressure	30-120 BAR
Flow Rate	5-12L/min
Power	2.9 kW / 230V

RJ-IW/1C - Internal Wash

The RJ-IW/1C is a high pressure internal chemical washer that strips contaminants from the inside of the IBC.

During the wash stage either uses caustic solution or aqueous detergents depending on the contaminants present. To ensure complete coverage an electric driven, high pressure nozzle is used. The nozzle is fitted with pencil jets which rotate 360° on the X and Y axis, at a variable pressure (30-180 BAR) resulting in a flow rate between 5 & 16 L/min.

Usually, the ambient solution is used for water-based residues, and heated liquor for non-water based residues.

To reduce operating costs, as an optional extra, it is possible to add a 500L recirculating tank, allowing the wash solution to be filtered and reused.



Pressure	30 - 180 BAR
Flow Rate	5 - 16L/min
Power	6.5 kW / 415V

RJ-IW/1 - Internal Rinse

The RJ-IW/1 can be used as a rinsing stage after the internal wash has been completed to remove any remaining wash liquor or as a standalone freshwater rinse station.

To ensure complete coverage an electric driven high pressure nozzle is used. The nozzle is fitted with pencil jets which rotate 360° on both the X and Y axis, delivered between 30 and 120 BAR with a flow rate of 5-12L/min.

When used as a rinsing stage fresh water is used at ambient temperature. Heated fresh water or ionised water can be used to increase its efficiency.

To reduce operating costs, as an optional extra, it is possible to add a 500L recirculating tank.



Pressure	30-120 BAR
Flow Rate	5-12L/min
Power	2.9 kW / 230V

RJ-IW/2 - Two Stage Internal Washer

The RJ-IW/2 is a two stage washer consisting of a chemical wash and fresh water rinse. This machine can be sold as a standalone machine or as part of the RJ-IW-Auto reconditioning line.

Once loaded the 360° rotating nozzle has been lowered into the machine the wash cycle is initiated.

Caustic or detergent is dosed into the system and is delivered at a variable pressure between 5 and 16 BAR. Next freshwater is used to flush any remaining contamination or chemical residues from the IBC.

Cycle times, pressures, flow rates and dosing can all be adjusted to produce an accurate and reliable cleaning quality.



Pressure	30-180 BAR
Flow Rate	5-16L/min
Power	6.5kW / 415V

RJ-IPT - IBC Pressure Tester

The RJ- IPT is a single head leak tester for testing IBCs & Totes. It is a manually loaded tester, mounted on a carbon steel frame.

The system will automatically perform the leak test. The result of the leak test is then displayed on the operator control panel. To increase the efficiency of your process a traffic light system can be installed to provide a quick reference on each containers' status after each test.

To ensure accurate data logging all tests are automatically stored with a time stamp on a removable USB stick, found in the operator panel.

This unit also features a "self test" facility which introduces a leak of a known size into a good container to allow the hole finding capability of the tester to be periodically tested.



Fill Delay	3 Sec
Fill Time	30 Secs
Settle Time	5 Secs
Test Time	90 Secs
Test Pressure	30mB
Safe Pressure	10mB

RJ-DIBC - Thermal Dryer

The Rotajet RJ DIBC is fitted with a high volume air blower which is lowered by the operator into the container with a pneumatic cylinder. The drying cycle is started and a high volume blower transfers air into the container.

To increase energy efficiency the expelled air is channelled into a heat exchanger chamber and reused. This recirculation allows the system to rapidly heat the air too 130°C, which dries the IBC or Tote in approximately 5-6 minutes.

To increase the overall throughput of the RJ-IW-Auto a second drying stage may be included. This additional stage increases the throughput rate by a factor of 2.



Power	3.7 kW / 230V
Op. Temp.	130°C
Air Volume	200-900 L/min
Pressure	1 kPa

RJ-IRT - IBC Transfer System

The RJ-IRT1 is a single IBC to be manually transferred between stations. Each transfer system can be fitted with a stainless steel drip tray and polypropylene rollers.

For fully automated lines a walking beam may be used allowing the IBC to be moved from each station accurately without the need for manual handling.



