

Riley Multiclean 2-120 Ultrasonic Washing & Rinsing Cleaning Line



Stock No	DA1400
Manufacturer	Riley
Model	Multiclean 2-120
Year of Manufacture	2022
Serial	210167
Condition	Brand New, Current Model
Work Envelope (WxDxH mm)	670 x 540 x 450
Process Stages	2 Stages, Ultrasonic wash and rinse
Weight (kgs)	444
External Dimensions (WxDxH mm)	2020 x 1240 x 1200

Description

Riley 120 Litre Ultrasonic Multistage - Ultrasonic Wash + Ultrasonic Rinse

This Riley Ultrasonic Cleaning machine is available in 2 stages with 120 litre tanks. Built from 304 Stainless Steel the quality and price.

Fully Stainless Steel - *quality and durability*

The Riley Ultrasonic wash system is built around a stainless-steel rigid box section frame, greatly increasing the strength and

washing system. Constructed from high quality grade 304 stainless steel inside and out this cleaning plant will give excellent extended lifespan.

Wash Stages - performance and flexibility

This brand new multi-stage washing system is ideal for a wide variety of cleaning applications.

Ultrasonic Cleaning

Ultrasonic cleaning is designed to reach parts of components that are normally very difficult to reach. Small holes in components can't always be cleaned with a brush or jet wash machinery but can be using ultrasonics.

A series of ultrasonic transducers are mounted on the base of the wash tank and vibrate with a frequency of 28kHz to remove the most difficult to get to places.

This stage is heated to further improve cleaning performance.

Rinsing

After washing chemical residue can remain on the surface of the parts after cleaning which might contaminate later products. These chemical residuals rinsing can be used either by a closed circulation system or by continual fresh water supply.

Insulated - energy savings

The Riley Ultrasonic washing system has 20mm thick thermal insulation installed on all heated fluid and drying tanks. Insulation is industrial grade glass wool which provides excellent insulation performance. With insulation fitted to all heated tanks this is a significant savings due to lower energy consumption.

Tank Heaters - up to 80°C

All heated fluid tanks are heated by externally tank bonded silicone rubber heaters. The bonded heaters are regulated by a controller with digital readout/display allowing fine control in a temperature range of ambient up to 80°C.

Control Panel - easy to use

An easy-to-use IP54 rated machine mounted control panel comes complete with the following control features.

- Fluid heaters on/off
- Fluid temperature controllers
- Ultrasonic washing timer controller
- Rinsing timer controller
- Low fluid level indicator light
- Mains power on light



Extended Guarantee - *for peace of mind*

A full 24 months parts guarantee comes with each new machine. 12 Months labour cover is also included.

Fitted as standard

- Stainless Steel Baskets
- Insulated Hinged Lid with Gas Spring
- Automatic Filling Double Tank Washing
- CE Marked, UL marking as an option
- Low level fluid protection used to protect the ultrasonic transducers and heating elements

PROCESS SUMMARY

TANK 1

- Ultrasonic Washing
- Tank size mm (LxWxD) 670 x 540 x 540
- Stainless Steel basket size mm (LxWxD) 560 x 450 x 350
- ULTRASONIC 1250W Floor Mounted Transducer Box, 28kHz Frequency
- HEATERS <80°C – 4.4kW Electric Heaters
- DRAIN 1" Diameter Manual Ball Valve
- WATER INLET Cascade Overflow from Tank 2
- INSULATED HINGED LID with gas spring
- BASKET AGITATION with pneumatic cylinder

TANK 2

- Ultrasonic Rinsing
- Tank size mm (LxWxD) 670 x 540 x 540
- Stainless Steel basket size mm (LxWxD) 560 x 450 x 350
- ULTRASONIC 1250W Floor Mounted Transducer Box, 28kHz Frequency
- HEATERS <80°C – 4.4kW Electric Heaters
- DRAIN 1" Diameter Manual Ball Valve
- WATER INLET ½" Diameter Manual Ball Valve
- INSULATED HINGED LID with gas spring
- BASKET AGITATION with pneumatic cylinder

CONSTRUCTION

- The MultiClean 2-120 two staged washing system's whole superstructure will be supported by a stainless-steel rigid will greatly increase the strength and load carrying capacity of the washing system. The entire washing system will grade 304 stainless steel inside and out meaning all surfaces in contact with water are stainless steel.
- TANKS : AISI 304 Stainless Steel, 2.0mm thickness.
- COVER PANELS : AISI 304 Stainless Steel, 1.0mm thickness
- FRAME : AISI 304 Stainless Steel, 40*60*2.0mm
- PIPING & FITTINGS : AISI 304 Stainless Steel
- ULTRASONIC TRANSDUCER BOX : AISI 316L Stainless Steel, 2.0mm thickness
- INSULATED HINGED LID

UTILITY REQUIREMENTS

- Mains Electric : Three phase + neutral + earth, 380-400 volts, 50Hz.
- Mains Water Inlet : Via one ½" BSP manual ball valves.
- Mains Water Outlet : Via two 1" BSP manual ball valves.



SYSTEM COMPLIANCE

- The washing system will be risk assessed and CE marked as required by current European legislation. A CE certificate is included in the user manual of each washing system. CSA and UL conformity are also available at request and additional cost.

SAFETY

- Low fluid level protection for ultrasonic transducer box and electric heaters.
- All moving parts are guarded
- Emergency stop button on the main electrical control panel.

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.