Machine Datasheet

RILEY Surface World™

Fisa 300 litres US 280 MR Ultrasonic Cleaner

Sorry, this machine is no longer available

We might be able to meet your requirements with other Aqueous Ultrasonic Cleaning & Washing machines.

Stock No	DT1064
Model	300 litres Tank with US28M Ultrasonic Generator
Work Envelope (WxDxH mm)	395 x 895 x 850mm
Process Stages	Single
Other Info	All stainless steel water based cleaner
Weight (kgs)	210kgs
External Dimensions (WxDxH mm)	570 x 1270 x 1250mm

Description

Fisa Stainless steel 20kHz Ultrasonic cleaning machine.

The Fisa cleaning system is a single chamber stainless steel cleaning tank with inbuilt rim extraction duct and fitted Magnetostrictive 20kHz 2800 Watts (2 x 1400 watts) high power ultrasonic transducers.

Working principle:

The system consists of a stainless steel tank equipped with an ultrasonic transducer that is powered by a generator. The parts to be treated are placed in a basket that is immersed in the cleaning solution contained in the tank.

Under the action of the signal emitted by the generator, the transducer creates a high frequency wave that is propagated into the cleaning fluid. This wave then creates alternate pressure and depressurisation phases in the liquid.

During the depressurisation phase, tiny vacuum bubbles appear in the liquid: this phenomenon is called cavitation. During the pressure phases, the bubbles implode when they come into contact with the immersed parts and release the energy that created them. This mechanical energy also improves the efficiency of the chemical cleaning action of the cleaning product used in the tank.

Specification -

US 28 M Generator powering Magnetostrictive 20kHz 2800 Watts (2 x 1400 watts) transducers

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

Surface Engineering Association

European Association of Machine Tool Merchants