



washing machine aquacleanseries

Eliminating the emulsion particles' residue after subtitling

Full modularity, 16mm or 35mm prints
 Step-by-step washing process
 Deep & efficient drying process
 Multi-purpose control panel

features

Higher reliability
 Lower operating costs
 Easy access for maintenance

advantages

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full modularity, 16mm or 35mm print

Designed to wash 16mm or 35mm film, AQUACLEAN, composed of a 1800m capacity feed plate, washing tanks, a washing box, drying cabinets and a take-up unit (comprising a 1800m capacity plate, the control panel and the electronic cabinet), can switch from one format to another without requiring any manipulation. Demand friction drive, variable speeds from 0 to 110 feet per minute on AQUACLEAN 1800 and from 0 to 200 feet per minute on AQUACLEAN 3600.

deep & efficient drying process

Each cabinet holds two 9-loop racks. The capacity of each rack is 70 feet of film.

A built-in fan with filter (1200 to 1400m³/h) and three electronic heaters of 1 kw each are mounted in the cabinet. The air is sent by way of pipes with slots that guide air directly on to the film emulsion and ensure deep and efficient drying. At the rear of each drying cabinet, there is a device that allows the operator to easily adjust the quantity of air circulating in & out the cabinet.

step-by-step washing process

AQUACLEAN is a water-based cleaning machine designed to eliminate the emulsion particles' residue. 3 step process:

Stage 1 consists of 1 x 50 liter capacity tank with water & wetting agent (e.g. Agepon), kept at a temperature of 45C° because of a heater and an electronic temperature control.

Stage 2 employs four counter-rotating Dacron covered buffers in a washing box. The contact of the Dacron micro-fiber with the film ensures complete removal of undesired residues. Stage 2 is completed by four high-pressure rinses during which filtered jets of solution from tank 1 spray the film (two before the rollers and two after). Then, two delta wipers are fitted at the exit of the washing box to avoid the transfer of solution from tank 1 into tank 2.

Stage 3 consists of another tank with 35 liters of water for film rinsing. Some stabilizer agent can be added to this tank to avoid marks on the film during drying. Two delta wipers are fitted at the exit of tank 2 to reduce water consumption to about ten liters per hour. The film is then transported in a pre-dryer station where four wipers are attached to a vacuum device to suck the water from the film.

multi-purpose control panel

The control panel bears the speed indicator, digital temperature indicator, and a stapler detector for automatic stop, which warns the operator to change the reels.



dimensions

Aquaclean 3600
222 x 180 x 126 cm (WxHxD)

Aquaclean 1800:
184 x 180 x 126 cm (WxHxD)

Weight: 600kg

Power: 380V/220V, 3 phase
30Amp, 8kw

options

Reference	Designation
OP 401	Ultrasonic generator



range

Model	Designation
Aquaclean 1800	Washing machine with 1 drying cabinet, variable speed from 0 to 110ft/min
Aquaclean 3600	Washing machine with 2 drying cabinet, variable speed from 0 to 200ft/min