



QCL-series Automatic Vertical Ultrasonic Glass Vial / Bottle Cleaning Machine



QCL series automatic washing machine consist of in feeding section, ultrasonic treatment section and final washing section, the containers are going through those sections for completion of the whole washing processing by Ultrasonic treatment, prewashing and final washing steps, the cleaning quality of the container washed meets any Pharmacopoeia and being able to validate.

Working principle:

Bottles are input through conveying belt, slide into the pool after infusing water, then are washed through ultrasonic about one minute. The screw separates bottles and sends bottles to lifting device. The screw is designed according to best curve, make bottles conveyed from screw to lifting device smoothly. Lifting device lifts bottles smoothly from water and conveys to manipulators of rotary drum. Manipulators clamp bottles and turn 180 ° , in order to enter following washing station. First step, high-pressure circulating water flush the exterior wall of bottles, then the first group of needles insert into bottle and flush circulating water, the second group of needles flush circulating water, the third group of needles flush compressed air, discharge residual circulating water. The fourth group of needles flush inject water, the fifth, sixth group of needles flush compressed air, discharge residual water at most in order to dry.

Finally flush compressed air to exterior wall of bottles. Manipulator turnover bottles and sent to output device, then conveyed to tunnel or output plate through output star wheel. The whole washing process is finished

Main features:

1. Wide range of different vial sizes from 2-100 ml, conventional format change
2. Ultrasonic treatment
3. High efficiency Washing procedures
4. Optional automatic hood lifting system
5. Glass tissue discharge device
6. Ultrasonic power level online display, recording, saving, printing functions
7. Water tank heating system
8. Low pressure alert
9. Use of the FDA guideline listed material

Technical Parameters:

Mode	QCL40	QCL60	QCL80	QCL100	QCL120
7-10ml	12000	18000	24000	30000	36000
Power supply	380V/50Hz/3Phases				
Power	15KW	15KW	15.5KW	15.5KW	15.5KW
Compressed air	≤0.01%	≤0.01%	≤0.01%	≤0.02%	≤0.02%
Compressed air consumption	0.3-0.5Mpa				
WFI temperature	≥35 m3/h	≥40 m3/h	≥60 m3/h	≥60 m3/h	≥60 m3/h
WFI consumption	40-60°C				
PW pressure	0.30-0.5 m3/h	0.35-0.65 m3/h	0.40-0.8m3/h	0.40-0.9m3/h	0.50-1.0 m3/h
Dimension	1795*1894	2119*2306	2230*2381	2230*2381	2230*2381
	*1300	*1300	*1300	*1300	*1300
Weight	2100KG	2700KG	3100KG	3110KG	3110KG