



CIMA[®]
Industries Inc.
Pharmaceutical Equipment

SHINVA

AUTOMATIC WASHING MACHINE



*Integral solutions in Processing
and Packaging equipment*

GENERAL DESCRIPTION

PQX series washing machine is designed and manufactured according to the newest washing requirement of aboard and domestic users. The washing process of this machine is pre-washing, cleaning, rinsing and drying, in which the washing is recorded and validated repeatedly. This washing machine comply with GMP of newest version, FDA and cGMP regulations, with the advantages of big cubage, complete cleaning and high automation. All the technical data of the process can reach or approach to that of foreign equipment. This machine can be supplied with a set of document in accordance of FDA, which help the machine to be the preferred equipment for biological and pharmaceutical companies.

SANITARY STRUCTURE DESIGN

- The chamber is made of high quality stainless steel. The chamber corner is finished to be round, which ensures no dead leg.
- The material of the components in chamber and the fitting is in accordance with FDA requirements.
- The pipeline is equipped with sanitary stainless steel fitting, which ensures cleanliness and no dead leg.
- The cover adopts threaded stainless steel plate, which is corrosion resisting and easy to clean.

SEALING DOOR

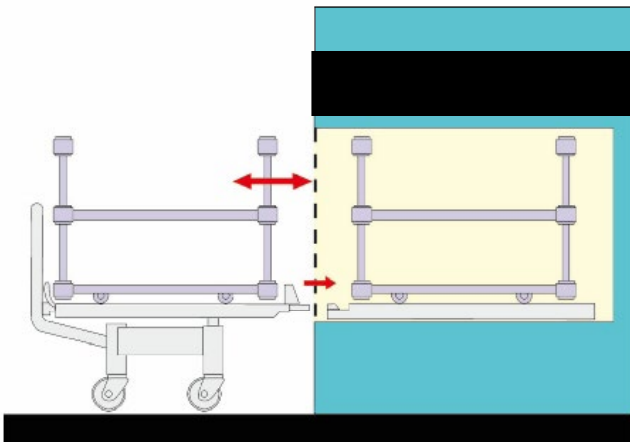
- The sealing door is automatic, labor-saving and easy to operate.
- The sealing door uses hollow steel glass, convenient for users to observe running in the chamber.

EFFICIENT SPRAYING SYSTEM

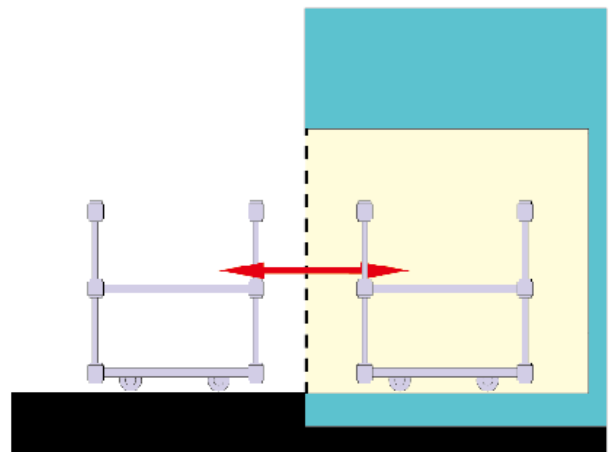
- Cleaning water fully contact with washing products, ensuring the washing result is in accordance of requirements.

DETERGENT AUTOMATIC FILLING SYSTEM:

- The peristaltic pump and detergent pipelines can ensure accurate filling of detergent.

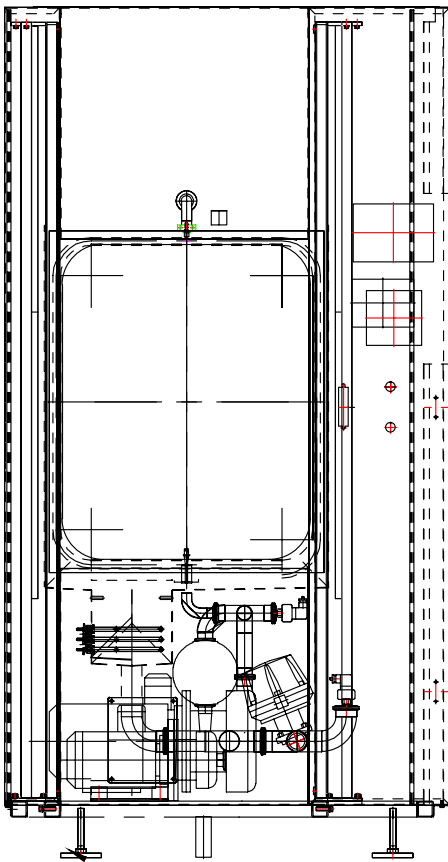


Transferring trolley and floor placing method.



Ground pit placing method.





EFFICIENT DRYING SYSTEM

- Circulating fan.
- Sanitary air heater.
- Efficient air filter, which can dry washing products quickly and efficiently.

CONTROL SYSTEM

- SIEMENS PLC control.
- The human-machine interface adopts touch screen.
- The software system is specially designed based on specified requirements of pharmaceutical area.
- The data-storage system can store the operation parameters such as temperature and time, which can be output by printer.

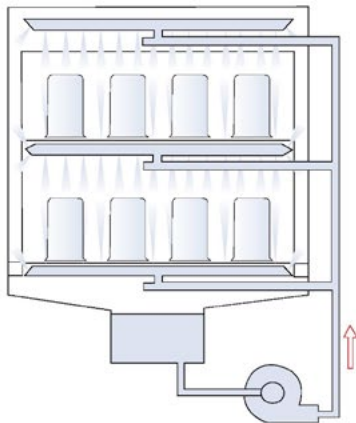
SECURITY

- The equipment has multiple safety protection, for example, in door closing/opening process, the door can stop automatically if there is a barrier; and the sealing doors are locked in running state.

EQUIPMENT INSTRUMENTATION

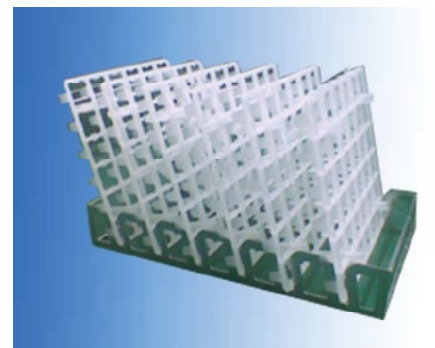
- Electrical conductivity testing
- pH value testing
- Pressure testing
- Pressure differential testing
- Detergent filling testing
- Washing spreadability testing

PRINCIPIO DE TRABAJO



WASHING SHELVES

- CIMA can supply series of loading equipment and fittings to satisfy your choice and max. develop potentiality of cleaning equipment. No matter what kind of instrument you want to clean.



TECHNICAL PARAMETERS

Parameter	PQXH-080711	PQXH-109598	PQXP 121013	PQXP 131313	PQXP 201220	PQXP 211421
Chamber size (mm)	800 x 700 x 1110	1000 x 950 x 980	1200 x 1030 x 1300	1300 x 1300 x 1300	2000 x 1200 x 2000	2100 x 1440 x 2100
Chamber effective size (mm) (L×W×H)	764 x 652 x 630	960 x 820 x 790	1200 x 820 x 1300	1300 x 1060 x 1300	2000 x 960 x 2000	2100 x 1200 x 2100
Overall size (mm)	1000 x 1270 x 1870	1200 x 1700 x 2100	1650 x 2160 x 1850	1800 x 2600 x 1700	2500 x 2400 x 2400	2600 x 2900 x 2500
Water consumption and pressure (PW o WFI)	35L/step 0.2-0.5 MPa	35L/step 0.2-0.5 MPa	55 L/step 0.2-0.5 MPa	55 L/step 0.2-0.5 MPa	120 L/step 0.2-0.5 MPa	150 L/step 0.2-0.5 MPa
Hot water temperature	≤93°C	≤93 °C	≤93 °C	≤93 °C	≤93 °C	≤93 °C
Drying temperature (Option)	45-120 °C	45-120 °C	45-120 °C	45-120 °C	45-120 °C	45-120 °C
Flow/ steam pressure	50 kg/h 0.3-0.5 MPa	50 kg/h 0.3-0.5 MPa	140 kg/h 0.3-0.5 MPa	140 kg/h 0.3-0.5 MPa	260 kg/h 0.3-0.5 MPa	300 kg/h 0.3-0.5 MPa
Energy and Power (Power according to customer requirement)	440 V - 380 V - 220 V 18 Kw	440 V - 380 V - 220 V 18 Kw	440 V - 380 V - 220 V 18 Kw	440 V - 380 V - 220 V 18 Kw	440 V - 380 V - 220 V 21 Kw	440 V - 380 V - 220 V 21 Kw
Consumption and compressed air pressure	100 lpm @0.4-0.7MPa	100 lpm @0.4-0.7MPa	100 lpm @0.4-0.7MPa	100 lpm @0.4-0.7MPa	100 lpm @0.4-0.7MPa	100 lpm @0.4-0.7MPa



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