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Automatic Washing Station for IBC Bin

QD Series



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QD series bin washing station is mainly used in solid preparation process for vessel automatic washing and drying. It can satisfy different specification pharma bins or IBC washing requirements. Considered as ideal equipment for vessel automatic washing, it is widely used in pharmaceutical, chemical and foodstuff industries.

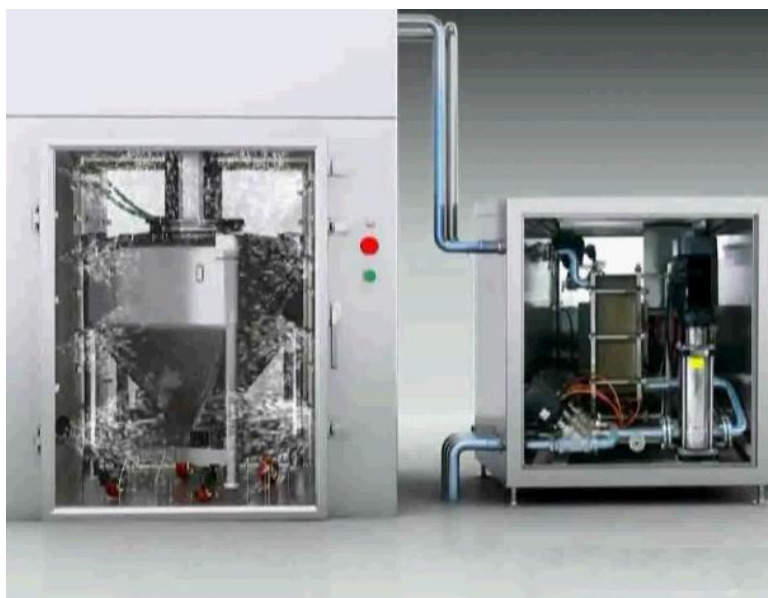


Principle:

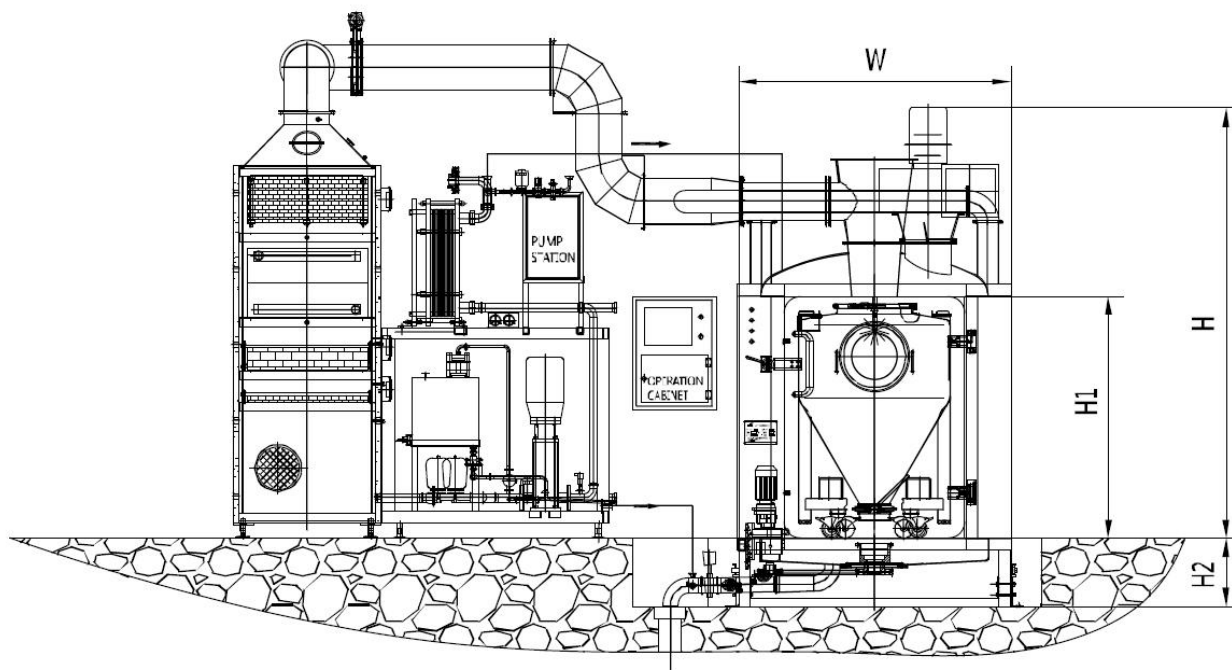
QD series Automatic Washing Station consists of washing system, pump system, air handling system, and control system. To start to work, open the entrance door of the washing station, push the used containers such as bins, intermediate bulk containers into the station. When oriented, close the entrance door, and prepare for cleaning. Assign the working procedures (hot water, detergent, ionic water) and parameters at cleaning time, drying time according to craft requirements. After confirmed, switch on the whole system to start to work according to procedures and parameters assigned in advanced. The surfaces outside of the container are cleaned by the nozzles proportioned on the inner walls of the station; the surfaces inside of the container are cleaned by the spray nozzle with telescopic appliance. After cleaned, drying procedure works automatically Until finishing the whole work cycle. Open the exit door of the washing station, pull out the cleaned and dried container and shift it to the intermediate storage for use of the next work cycle to attain a safe production.

Features:

- Low power and consumption, energy saving.
- Highest cleaning performance.
- Easy operation.
- Repeatable and validatable process.
- Washing and drying executed in the same chamber.
- High automation.
- Suit for multi-specification bin washing.
- Self cleaning.
- Recycle washing system
- Turn plate.



Dimensions:



Technical Data	QD400	QD600	QD800	QD1000	QD1200	QD1500	QD1800	QD2000	QD3000
W(mm)	1600	1800	1800	2100	2100	2100	2100	2100	2600
H(mm)	2500	2840	2840	3000	3100	3250	3400	3600	4050
H1(mm)	1350	1600	1600	1700	1800	1950	2100	2300	2650
H2(mm)	450	450	450	450	450	450	450	450	500
Pump Power(kW)	3	3	3	3	3	3	3	3	5.5
Pump Flow(t/h)	10	10	10	10	10	10	10	10	15
Pump Pressure Bar(MPa)	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.67
Compress Air Pressure(MPa)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Comp-Air Consumption(m3/min)	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Steam Pressure(MPa)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Steam Flow(kg/h)	800	800	800	800	800	800	800	800	800
Fan Power(kW)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Exhaust Fan Power(kW)	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Total Power(kW)	11	11	11	11	11	11	11	11	13.5
Machine Weight(t)	3.7	3.9	3.9	4.1	4.1	4.3	4.3	4.6	4.6

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