



Sanitary
flow
equipment

WOD Automatic Orbital Tank Washing

These devices are automatic machines for cleaning the inside of tanks and process vessels, perform very satisfactorily in a great number of general applications, where the products to be washed away do not originate severe problems and with limited size tanks. To cope with the large variety of industrial applications we offer heads made out completely of stainless steel. Connections are obtained through clamp (*) connection easy to install and clean.

(*) We can supply mounting flanges customized or according to any international standard.

DOUBLE AXIS TANKWASHER

It's a device where the washing nozzles rotate around an horizontal axis, while the tank-washing body carrying the nozzles at the same time around the vertical axis of the feed pipe.



The washing action is obtained through motor, compressed air or electrical supply according to the plant operating environment, the drive unit outside the tank is easily serviced. The operating pressure doesn't influence the head rotation speed.

The motive mechanism assures the jet to hit always different paths at each turn, so that each single point of the inner tank surface is surely cleaned.

These proven units are powered from electric or compressed air motors located outside the tank, and assure the most reliable washing operation where the only shaft is protruding inside the tank.

This design offers a remarkable advantage because of the lower rotation velocity: the jets remain coherent without being broken into droplets by centrifugal force and all of their impact energy can be

transferred to the tank surface.

As the motor produces a low rotation velocity, the jets can work with their maximum efficiency, this makes it possible to obtain a higher impact force onto the tank wall.

Superior cleaning power, faster cleaning cycles and lower volumes of cleaning solution required.

The liquid capacity depends upon the size of its spray nozzles.

Capacities for several sizes of nozzles are given in the specific table of each products, where the capacity is understood for a head equipped with two nozzles of the given size, and it must be doubled for double heads fitted with four nozzles.

Shaft lengths 0.5, 1.0, 1.5 meters, see drawings for total length (special length on request).

Accessories, and specifications about air and electric motors, can be supplied separately.



dimensions table

CODE	WOD-030P-...-1A 30 l/min	WOD-060P-...-1A 60 l/min
n. revolutions	22	31
n. nozzles	4	2
Minimum tank connection size	3" clamp BS4825/ASME BPE	4" clamp BS4825/ASME BPE
Working pressure	4 bar	4 bar
Flow rate	30 l/min	60 l/min
Max pressure	10 bar	10 bar
Max temperature	90°C 150°C sterilization	90°C 150°C sterilization
Coverage radius	4m	5m
Engine power	0,38Kw (#)	0,38Kw (#)
1÷2,5 molar soda solution	Ok	Ok
Drainage by 3bar air	Ok	Ok

(#) Electrical Engine available (84 W)

Get the information you need and more at: info@aerinox.it

In the interests of development and improvement of the product, we reserve the right to change the specifications without prior notice.

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