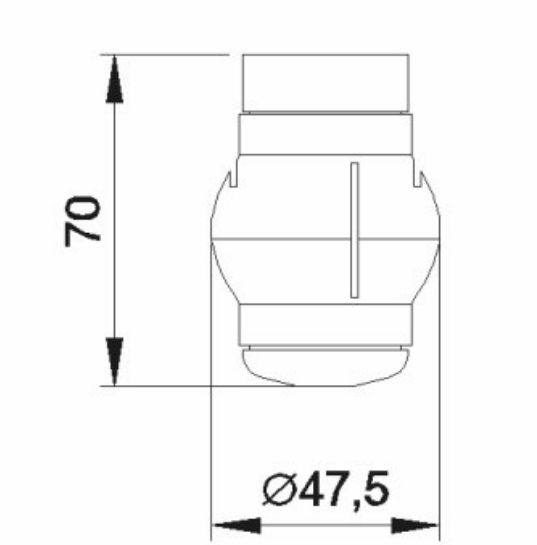
ROTARY HEAD 475 SERIES

Tanks and cisterns washing system



Female

	SERIES 475					
	Flow Rate (lt/h)			Angle	Max washing	Joints
Pressure (Bar)	1	2	3		range**	Fem.
Code				(Degrees)	(meters)	BSP
475 1/2 O	6100	8000	10000	360°	2,2 ÷ 3,5	1/2"
475 3/4 O	6100	8000	10000	360°	2,2 ÷ 3,5	3/4"

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ROTARY HEAD 475 SERIES

Tanks and cisterns washing system

Construction:

The rotary spray heads are made of AISI316L stainless steel and are mounted onto two bearings. All internal surfaces are carved with high precision machine tools, which provide a smooth polishing and high quality surfaces. The heads are available with a female gas thread (BSP) joint.

Operation:

The fluid Flow Rateing through the rotary head produces the rotation. Its speed varies depending on the washing fluid pressure that needs to be limited. An excessive speed in the rotation breaks the Flow Rate into drops, reducing the impact strength.

Technical characteristics:

Max working temperature 95˚C – Min working temperature 0˚C

The weight of the rotary head series 475 can vary from 0.35 to 0.45 kg depending on the model.

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50 SERIES

Dynamic washing system

Costruction:

The rotary spray heads are made of AISI316 stainless steel (apart from parts of the pneumatic actuator) and are mounted onto two bearings. All internal surfaces are carved with high precision machine tools, which provide a smooth polishing and high quality surfaces. The heads are available in two different lengths, for tanks with or without insulation.

Operation:

The rotary head exits the cylinder (250 mm) pushed by a pneumatic actuator. The distance can be changed to fit the specific washing needs, thanks to two magnetic sensors placed on the actuator. It's possible to reduce the stroke (how much the head will exit) by moving the magnetic sensor "A". In order to have a stroke of less than 250 mm it is necessary to use a pneumatic distributor with "closed centers", in order to avoid that the washing fluid pressure is superior to the actuator's thrust.

The magnetic sensors permit to integrate the rotary head with a C.I.P. plant logics, by signaling the position of the washing head. This is very important if the tank contains agitators that can damage the rotary head when moving. Its speed varies depending on the washing fluid pressure that needs to be limited. An excessive speed in the rotation breaks the Flow Rate into drops, reducing the impact strength (see table 10).

During the washing phase, a watertight system keeps the washing fluid away from the pneumatic actuator. When the C.I.P. process is finished, the pneumatic actuator is activated and the rotary head returns to its initial position inside the cylinder.

Technical specs:

Max. working temperature 95°C – Minimal working temperature 0°C

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