

Orbitor -Dual

Rotary Jet- Dual Head



THE
SPRAY NOZZLE
PEOPLE

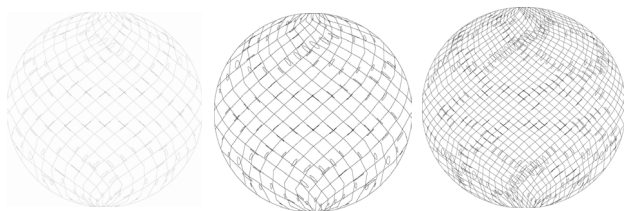
Bete Limited



The Orbitor Dual is a double headed version of the Orbitor tank cleaning system. Each head can have 2 or 4 nozzles giving up to 8 powerful cleaning jets. The additional cleaning jets means that the cleaning cycle time is reduced when compared to the single headed machines in the range. Furthermore the Twin can be configured to give a restricted cleaning pattern as low as 85 degrees making it suitable for more targeted cleaning applications.

Key product features

- Entirely fluid driven meaning no external power source is required
- Self lubricating
- Powerful jets up to 20 metres in length
- Stainless steel rugged design means almost no maintenance is required
- ATEX certified zones 0 and T6
- Variable wash pattern
- Very fast cycle time



Spray pattern builds up over a set cycle

Made in the UK



The Orbitor is manufactured in the UK exclusively for The Spray Nozzle People by Dasic Marine

Spray characteristics:

Flow rates: 85 - 500 L/min
Working Pressure: 5 - 10 bar
Jet length: Up to 20 metres
Wash pattern: 85° - 360°
Cycle times: 6.8 - 19 minutes

Materials:

Housing: 316L
Nozzle Head: 316L
Gears: PEEK + 316 SS
Bushings: Carbon Filled PTFE

Weight: 12Kg

Key Advantages

- **Fast** The extra cleaning jets mean that the cleaning cycle is considerably faster than other models meaning a faster turnover time.
- **Versatility** The double head design means that the cleaning pattern can be restricted to as low as 85° without compromising the rotation of the machine.
- **Effectiveness** The Orbitor Twin is a highly effective cleaning machine delivering powerful cleaning jets up to 11 metres in length in the quickest cycle times.

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How it works

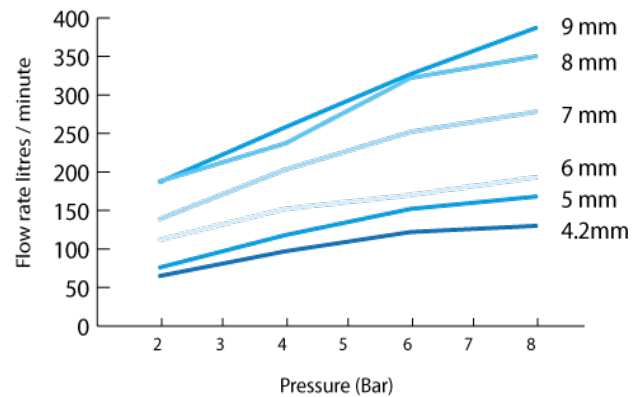
The Orbitor Dual is a fluid driven rotary jet cleaner. The cleaning fluid is pumped through the Orbitor and this first passes through a turbine which causes the two nozzle arms to spin. The fluid then passes through the nozzles forming a powerful cleaning jet. As the arms rotate the main body also rotates in a set pattern. This is geared so that over a specific period of time (the clean cycle) the cleaning jets are brought to bear on each part of the tank ensuring a thorough, methodical clean.

For each configuration of Orbitor there will be a maximum jet length for any given fluid pressure. The max jet length is the overall reach of the resulting spray. The effective cleaning jet length is smaller than this and represents the distance from the machine where a reasonable cleaning action will be achieved. Clearly a more robust clean will be given the further within the effective jet length the target sits.

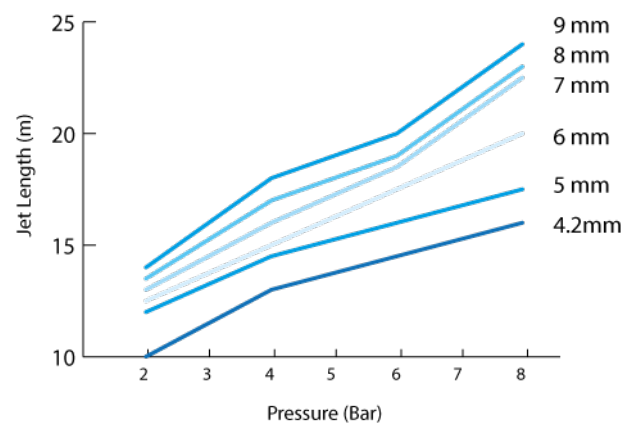
Wash cycle times (180° down)

Config	Cycle Time (min) @ pressure (bar)			
	2	4	6	8
4x4.2mm	18.8	9.1	7.3	6.8
4x5mm	17.7	10.3	8.5	7.6
4x6mm	15.5	9.1	7.4	6.6
4x7mm	16	8.8	7.4	6.2
4x8mm	14.6	9.9	7.7	6.7
4x9mm	18.1	11.6	9.2	7.5

Flow rates (180° down)



Jet Lengths (180° down)



Configurations

Feature	Available Options
Hygienic	As standard non-hygienic option
ATEX	Option
Clean Pattern	Anything between 85° and 360°
Nozzle Sizes	4.2, 5, 6, 7, 8, 9mm