

Orbitor -Dual

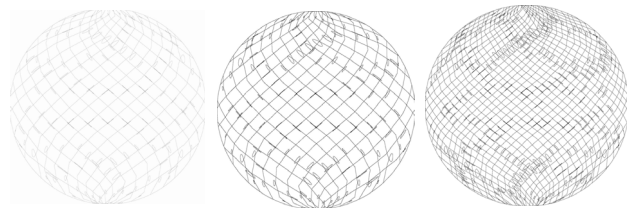
Rotary Jet- Dual Head

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 mean 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.
- **Versatile** The double head design means that the cleaning pattern can be restricted to as low as 85° without compromising the rotation of the machine.
- **Effective** 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.

Configurations

Feature	Available Options
Hygienic	As standard non-hygienic option
ATEX	Option
Clean Pattern	Anything between 85° and 360°
Nozzle Sizes	4, 5, 6, 7, 8, 9mm

Wash cycle times (180° down)

BAR	Cycle Time (min)					
	8x4 mm	8x5 mm	8x6 mm	8x7 mm	8x8 mm	8x9 mm
2	18.8	17.7	15.5	16	14.6	18.1
4	9.1	10.3	9.1	8.8	9.9	11.6
6	7.3	8.5	7.4	7.4	7.7	9.2
8	6.8	7.6	6.6	6.2	6.7	7.5

ROTARY JET

Effective jet lengths and flow rates

BAR	Nozzle size (mm)											
	4mm		5mm		6mm		7mm		8mm		9mm	
	Flow rate l/min	Jet length Mtr	Flow rate l/min	Jet length Mtr	Flow rate l/min	Jet length Mtr	Flow rate l/min	Jet length Mtr	Flow Rate l/min	Jet Mtr	Flow Rate l/min	Jet Length Mtr
5	110	5.0	130	6.0	153	8.0	180	9.0	187	10.0	193	11.0
6	122	6.0	147	7.0	167	9.0	197	10.0	203	11.0	212	12.0
7	125	7.0	125	8.0	182	10.0	212	11.0	218	12.0	225	13.0
8	130	8.0	163	9.0	197	11.0	225	12.0	232	13.0	242	14.0
9	135	9.0	172	10.0	208	12.0	238	13.0	245	14.0	258	15.0
10	140	9.5	180	10.5	217	12.5	250	13.5	260	14.5	275	15.5