

Orbitor Truck Cleaner

Tanker Cleaning System

Truck cleaning heads need to be extremely robust as cleaning multiple containers a day of what can often be very tenacious, sticky or harsh residues means the nozzles are subject to high levels of wear and tear.

Available with either the Orbitor 4 or the Orbitor Compact rotary jet heads, the Orbitor Truck Cleaner is a robust solution. For added protection, the nozzle heads come encased in a protective cage to withstand the rough treatment and harsh environment of a busy tank cleaning bay where they can receive regular knocks and blows.

Our Orbitor rotary jet cleaners are ideal for road tanker container cleaning, meeting even the most stringent hygienic food transportation standards. They are also suitable to clean ISO tanks, liquid bulk containers and chemical grade tanks.



Spray characteristics:	Orbitor 4	Compact
Flow rates (l/min):	80 - 157	61.7 - 120
Working Pressure (bar):	3- 10	3-10
Jet length (m):	Up to 7.8	Up to 7.6
Wash pattern:	360°	360°
Cycle times:	5.5- 11	11-26
Weight with cage(KG):	8.4	4.4
Materials:		
Housing:	316L	
Nozzle Head:	316L	
Gears:	PEEK + 316 SS	
Bushings:	Carbon Filled PTFE	

Key product features

- Entirely fluid driven meaning no external power source is required
- Self lubricating
- Powerful jets up to 7.8 metres in length
- Easy to maintain. Can be stripped and reassembled in 15 minutes.
- ATEX certified zones 0 and T6
- Self cleaning and hygienic design suitable for food and pharmaceutical applications



Key Advantages

- **Hygienic** The Orbitor heads are fully self cleaning machines and are made from food / pharmaceutical grade hygienic materials.
- **Effective** The Orbitor 4 delivers powerful cleaning jets up to 7.8m in length and the Compact up to 7.6m.
- **Safe** The Orbitor cleaning heads are one of the only tank cleaners that are ATEX certified for use in all zones and temperatures.
- **Efficient** The Orbitor Truck Cleaner reduces water consumption, helping tanker cleaning stations meet environmental targets.

Made in the UK



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

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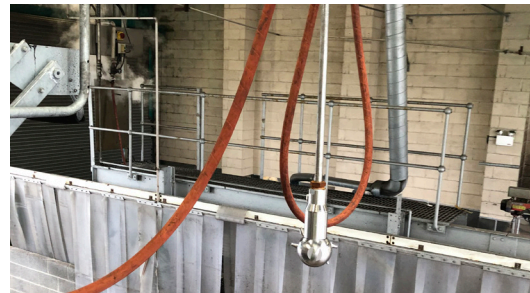
How it works

The Orbitor Truck Cleaner 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 four 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 clean.

The Orbitor Truck Cleaner is proven to be able to clean even the toughest residues. In customer trials cleaning chocolate liquor, the litmus test for tanker cleaning, the Orbitor (seen right without cage) proved to be the only cleaning system of those the client tested which could clean the liquor to the necessary hygienic standard whilst also considerably reducing water consumption.

Configurations

Feature	Available Options
Hygienic	As standard. Non-hygienic as an option.
ATEX	ATEX options available
Clean Pattern	360°
Nozzle Sizes	4.2mm (Orbitor 4) 4mm (Orbitor Compact)
Connection	1 ½" Bsp female with grub screw (Orbitor 4) 1" Bsp female with grub screw (Orbitor Compact)



ROTARY JET

Effective jet length, flow rate and cycle times

Orbitor 4



BAR	4x4.2mm		
	Flow rate l/min	Jet length Mtr	Cycle Time Min
3	80	2.9	11
4	100	3	9.3
5	115	3.5	7.9
6	127	4	6.9
7	138	5	6.3
8	147	6.2	5.8
9	153	7.1	5.6
10	157	7.8	5.5

Orbitor Compact



BAR	4x4mm		
	Flow rate l/min	Jet length Mtr	Cycle Time Min
3	61.7	4.3	26
4	71.7	5.1	22
5	80.0	5.8	19
6	90.0	6.4	16
7	98.3	6.8	14
8	106.7	7.2	12.5
9	113.3	7.5	11.5
10	120.0	7.6	11