

HydroWhirl® Orbitor 100

High Impact Rotary Tank Cleaning Machine

DESIGN FEATURES

- Easily field-serviced to reduce maintenance costs
- Minimum moving parts to extend operating life
- Self-cleaning; self-lubricating
- High-impact jets; orbital wash pattern = high efficiency cleaning process
- Ideal for small to medium tanks, easily fits through Ø100 mm (4") openings or Ø85 mm (3.35") when nozzle head is vertically aligned
- 4 nozzle configurations
- Female connections

SPRAY CHARACTERISTICS

- 360° wash pattern
 - Variable cycle times
 - High impact cleaning
- Flow rates:** 44.8 - 198 L/min
Working Pressure: 3 - 10 bar

Materials:

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

Max. Working Temp.: 95 °C (200 °F)
Max. Ambient Temp.: 140 °C (285 °F)
Weight: 2.5 kg

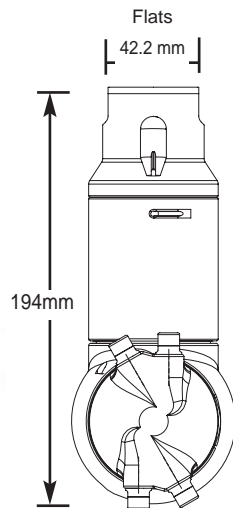


TANK WASHING

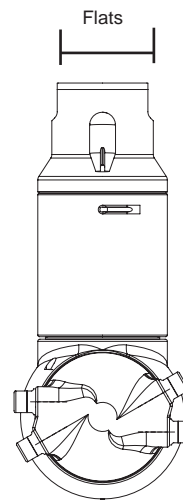


Orbitor 100

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Vertical Nozzle Head Alignment
 Clearance Diameter: 85 mm

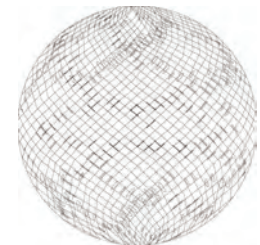


Horizontal Nozzle Head Alignment
 Clearance Diameter: 100 mm



All HydroWhirl Orbitor 100 tank cleaning machines are available with ATEX approval

Performance may vary with ATEX models.



4 nozzle spray pattern

Jet lengths are effective cleaning lengths

# Nozzles X Orifice Size	4 x 3 mm			4 x 4 mm			4 x 5 mm			4 x 6 mm		
	Flow (L/min)	Jet Length (m)	Cycle Time (min)	Flow (L/min)	Jet Length (m)	Cycle Time (min)	Flow (L/min)	Jet Length (m)	Cycle Time (min)	Flow (L/min)	Jet Length (m)	Cycle Time (min)
3	45.0	1.0	6.0	66.7	2.0	5.5	88.3	2.5	4.5	115	3.0	4.0
4	51.7	1.5	5.5	75.0	2.5	4.8	100	3.0	4.0	127	3.5	3.5
5	58.3	2.0	5.0	85.0	3.0	4.3	110	3.5	3.5	138	4.0	3.0
6	65.0	2.0	4.4	93.3	3.0	3.8	120	3.5	3.0	152	4.0	2.7
7	71.7	2.5	4.0	102	3.5	3.3	130	4.0	2.8	163	4.5	2.4
8	78.3	2.5	3.5	110	3.5	2.9	140	4.0	2.5	175	4.5	2.1
9	85.0	3.0	3.1	118	4.0	2.6	148	4.5	2.1	187	5.0	1.8
10	90.0	3.5	3.0	127	4.0	2.5	157	4.5	2.0	198	5.0	1.8

TO ORDER: specify pipe size, connection type, nozzle number, spray angle, and material.