

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
- 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)

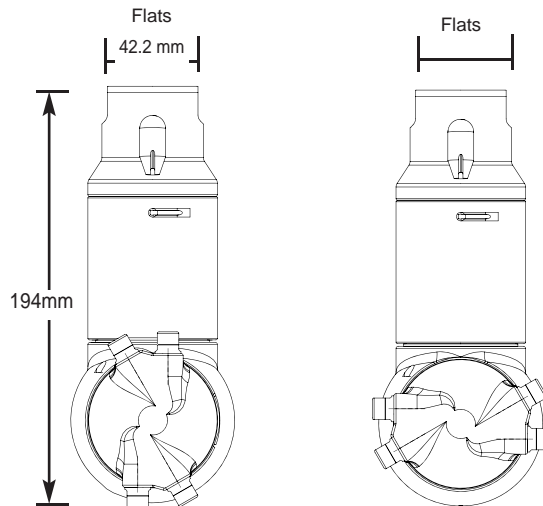
Max. Ambient Temp.: 140 °C (285 °F)

Weight: 2.5 kg



Orbitor 100

HydroWhirl Orbitor



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	44.8	3.7	6.1	66.5	4.3	5.5	88.5	4.9	4.5	115	5.4	4.0
4	51.7	4.5	5.5	75.6	5.1	4.8	99.5	5.7	4.0	127	6.2	3.5
5	58.5	5.1	4.9	84.5	5.8	4.2	110	6.4	3.5	139	6.9	3.1
6	65.2	5.6	4.4	93.2	6.4	3.7	120	7.0	3.1	151	7.4	2.7
7	71.7	6.1	4.0	102	6.8	3.3	130	7.4	2.7	163	7.9	2.4
8	78.1	6.4	3.6	110	7.2	2.9	139	7.8	2.4	175	8.2	2.1
9	84.4	6.7	3.2	118	7.5	2.7	148	8.0	2.2	187	8.5	1.9
10	90.5	6.9	2.9	127	7.6	2.5	157	8.1	2.0	198	8.6	1.7