HydroWhirl® Orbitor 100

(HWO100) High-Impact Compact Rotary Tank Cleaning Machine



DESIGN FEATURES

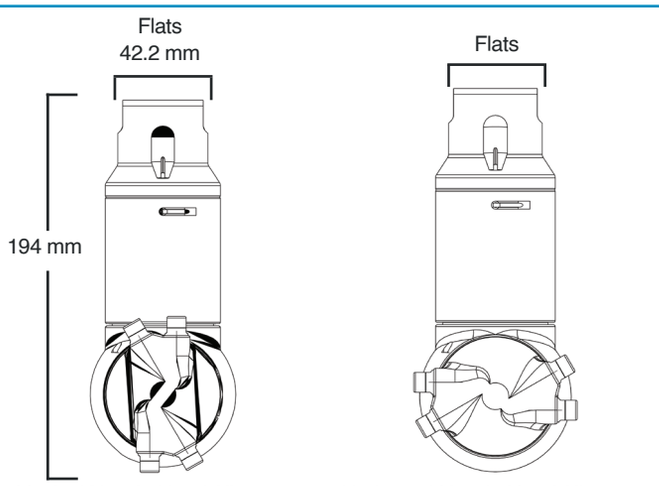
- Easily field-serviced to reduce maintenance costs
- Fewer moving parts than comparative gear-driven nozzles for maximum operating life
- Self-cleaning, self-lubricating
- High-impact jets produce orbital wash pattern for high-efficiency cleaning
- Ideal for small to medium-sized tanks, easily fits through Ø4” (100 mm) openings or Ø3.35” (85 mm) when nozzle head vertically aligned

SPRAY CHARACTERISTICS

- Variable cycle times
- High-impact cleaning

Spray Angles: Complete 360° spray
Flow Rates: 44.8 to 198 l/min
Working Pressure: 3 to 10 bar
Max Temperature: 200 °F/93 °C
Filtration: Line strainer with a mesh size of 0.075 mm/ 200 mesh

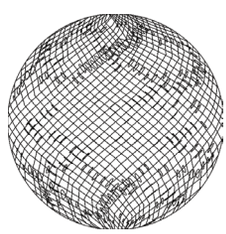
Available with ATEX approval



Vertical Nozzle Head Alignment
Clearance Diameter: 85 mm

Horizontal Nozzle Head Alignment
Clearance Diameter: 100 mm

Max Working Temp.: 200° F (95 °C)
Max Ambient Temp.: 285° F (140 °C)
Weight: 2.5 kg
Materials:
Housing and Nozzle Head: 316L SS
Gears: PEEK + 316 SS
Bushings/Seals: Carbon Filled PTFE



Orbitor 4 nozzle spray pattern

HWO 100 - 4 Nozzle Flow Rates

Nozzle Number	4 X 3 mm			4 X 4 mm			4 X 5 mm			4 X 6 mm		
Female Connection Size	3/4" and 1" FNPT, BSPP			3/4" and 1" FNPT, BSPP			3/4" and 1" FNPT, BSPP			3/4" and 1" FNPT, BSPP		
Pressure (bar)	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	1.00	6.00	66.7	2.00	5.50	88.5	2.50	4.40	115	3.00	4.00
4	51.7	1.50	5.40	75.0	2.50	4.80	99.5	3.00	4.00	127	3.50	3.50
5	58.5	2.00	4.80	84.5	3.00	4.20	110	3.50	3.50	138	4.00	3.10
6	65.0	2.00	4.30	93.3	3.00	3.70	120	3.50	3.10	152	4.00	2.70
7	71.7	2.50	4.00	102	3.50	3.30	130	4.00	2.70	163	4.50	2.40
8	78.1	2.50	3.60	110	3.50	2.90	140	4.00	2.40	175	4.50	2.10
9	85.0	3.00	3.20	118	4.00	2.70	148	4.50	2.20	187	5.00	1.90
10	90.0	3.50	2.90	127	4.00	2.50	157	4.50	2.00	198	5.00	1.70

Performance may vary with ATEX models.

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

GEDO
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