

HydroWhirl® Orbitor 100

(HWO100) High-Impact Compact Rotary Tank Cleaning Machine

DESIGN FEATURES

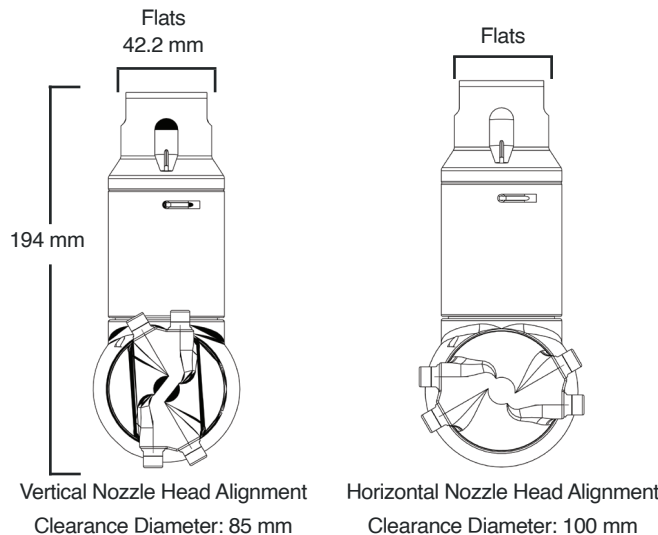
- Easily field-serviced to reduce maintenance costs
- Fewer moving parts than comparative gear-driven nozzles for maximum operating life
- Self-cleaning, self-lubricating
- High-impact jets produce orbital wash pattern for high-efficiency cleaning
- Ideal for small to medium-sized tanks, easily fits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

SPRAY CHARACTERISTICS

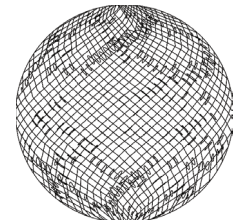
- Variable cycle times
 - High-impact cleaning
- Spray Angles:** Complete 360° spray
Flow Rates: 44.8 to 198 l/min
Working Pressure: 3 to 10 bar
Max Temperature: 200 °F/93 °C
Filtration: Line strainer with a mesh size of 0.075 mm/ 200 mesh



Available with
ATEX approval



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.

TANK CLEANING

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