

HydroWhirl® Orbitor 100 XC

Extreme Clean (XC) High-Impact With Slowest Rotation for Heavy Residue

DESIGN FEATURES

- High-impact and slower rotation yields longer spray dwell time on the target surface for effective soil removal
- Easily field-serviced to reduce maintenance costs
- Fewer moving parts than comparative gear-driven nozzles for maximum operating life
- Self-cleaning, self-lubricating
- 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

- Extended cycle times
 - High-impact cleaning
- Spray Angles:** Complete 360° spray
Flow Rates: 48.8 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 XC - 4 Nozzle Flow Rates

Nozzle Number	4 X 3 mm			4 X 4 mm			4 X 5 mm			4 X 6 mm		
	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	48.8	1.00	19.5	62.5	2.00	25.5	91.6	2.50	16.3	115	3.00	21.5
4	53.8	1.50	16.8	72.7	2.50	21.6	102	3.00	14.1	127	3.50	18.7
5	59.4	2.00	14.6	85.5	3.00	18.3	112	3.50	12.2	138	4.00	16.3
6	65.1	2.00	12.8	91.6	3.00	15.7	122	3.50	10.9	152	4.00	14.3
7	69.3	2.50	11.8	97.3	3.50	14.2	128	4.00	10.2	163	4.50	13.2
8	76.1	2.50	10.7	106	3.50	12.5	137	4.00	9.60	175	4.50	11.8
9	82.9	3.00	10.0	113	4.00	11.5	146	4.50	9.50	187	5.00	10.8
10	90.1	3.50	9.70	120	4.00	11.0	155	4.50	9.80	198	5.00	10.3

Performance may vary with ATEX models.

TANK CLEANING

CALL 413-772-0846
Call for the name of your nearest BETE representative.