HydroWhirl® Orbitor 100 XC

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



DESIGN FEATURES

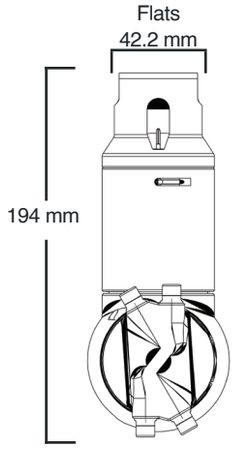
- High-impact and slower rotation yields longer spray dwell time on the target surface for effective soil removal
- Easily field-serviced to reduce maintenance costs
- Fewer moving parts than comparative gear-driven nozzles for maximum operating life
- Self-cleaning, self-lubricating
- Ideal for small to medium-sized tanks, easily fits through Ø4" (100 mm) openings or Ø3.35" (85 mm) when nozzle head vertically aligned

SPRAY CHARACTERISTICS

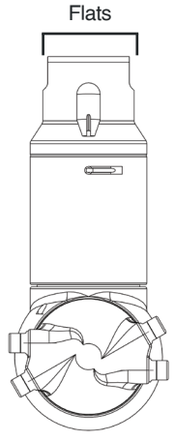
- Extended cycle times
- High-impact cleaning

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

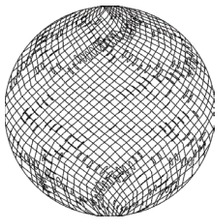


Vertical Nozzle Head Alignment
Clearance Diameter: 85 mm



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		
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	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.

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

GEDO
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