

HydroWhirl® Orbitor 100 XC



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



DESIGN FEATURES

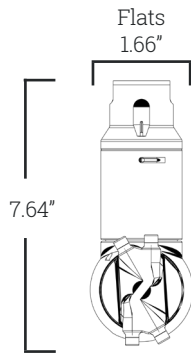
- High impact and slower rotation yield longer spray dwell time on the target surface for effective soil removal.
- All models available with ATEX approval
- Easily field-serviced to reduce maintenance costs
- Minimum moving parts extend operating life
- Self-cleaning; self-lubricating
- Ideal for small to medium 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

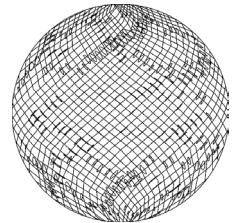


Vertical Nozzle Head Alignment Clearance Diameter: 3.35"



Horizontal Nozzle Head Alignment Clearance Diameter: 3.94"

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



Orbitor 4 nozzle spray pattern

HYDROWHIRL® ORBITOR 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, BSP			3/4" and 1" FNPT, BSP			3/4" and 1" FNPT, BSP			3/4" and 1" FNPT, BSP		
Pressure (psi)	Flow (LPM)	Jet Length (mm)	Cycle Time (min)	Flow (LPM)	Jet Length (mm)	Cycle Time (min)	Flow (LPM)	Jet Length (mm)	Cycle Time (min)	Flow (LPM)	Jet Length (mm)	Cycle Time (min)
45	48.8	1.00	19.5	62.5	2.00	25.5	91.6	2.50	16.3	115	3.00	21.5
60	53.8	1.50	16.8	72.7	2.50	21.6	102	3.00	14.1	127	3.50	18.7
75	59.4	2.00	14.6	85.5	3.00	18.3	112	3.50	12.2	138	4.00	16.3
90	65.1	2.00	12.8	91.6	3.00	15.7	122	3.50	10.9	152	4.00	14.3
100	69.3	2.50	11.8	97.3	3.50	14.2	128	4.00	10.2	163	4.50	13.2
115	76.1	2.50	10.7	106	3.50	12.5	137	4.00	9.60	175	4.50	11.8
130	82.9	3.00	10.0	113	4.00	11.5	146	4.50	9.50	187	5.00	10.8
145	90.1	3.50	9.70	120	4.00	11.0	155	4.50	9.80	198	5.00	10.3