

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

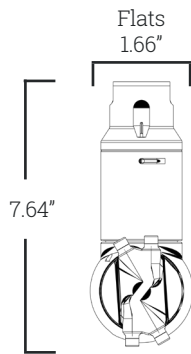
SPRAY CHARACTERISTICS

- Extended cycle times
- High impact cleaning
- Spray Angles:** Complete 360° spray
- Flow Rates:** 12.9 to 52.4 GPM
- Working Pressure: 45 to 145 psi
- Max Temperature:** 200°F/93°C
- Filtration:** Line strainer with a mesh size of 0.003 in/200 mesh



Available With ATEX Approval

TANK CLEANING

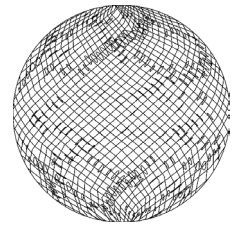


Vertical Nozzle Head Alignment Clearance Diameter: 3.35"



Horizontal Nozzle Head Alignment Clearance Diameter: 3.94"

- Max. Working Temp.:** 200° F (95 °C)
- Max. Ambient Temp.:** 285° F (140 °C)
- Weight:** 5.5 lbs
- 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		
	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 (GPM)	Jet Length (ft)	Cycle Time (min)	Flow (GPM)	Jet Length (ft)	Cycle Time (min)	Flow (GPM)	Jet Length (ft)	Cycle Time (min)	Flow (GPM)	Jet Length (ft)	Cycle Time (min)
45	12.9	3.30	19.5	16.5	6.60	25.5	24.2	8.20	16.3	30.6	9.80	21.5
60	14.2	4.90	16.8	19.2	8.20	21.6	26.9	9.80	14.1	34.0	11.5	18.7
75	15.7	6.60	14.6	21.8	9.80	18.3	29.6	11.5	12.2	37.3	13.1	16.3
90	17.2	6.60	12.8	24.2	9.80	15.7	32.2	11.5	10.9	40.6	13.1	14.3
100	18.3	8.20	11.8	25.7	11.5	14.2	33.8	13.1	10.2	42.8	14.8	13.2
115	20.1	8.20	10.7	27.9	11.5	12.5	36.3	13.1	9.60	46.0	14.8	11.8
130	21.9	9.80	10.0	29.9	13.1	11.5	38.7	14.8	9.50	49.2	16.4	10.8
145	23.8	11.5	9.70	31.8	13.1	11.0	40.9	14.8	9.80	52.4	16.4	10.3