HydroWhirl® Orbitor 100

(HWO100) High Impact Compact Rotary Tank Cleaning Machine



DESIGN FEATURES

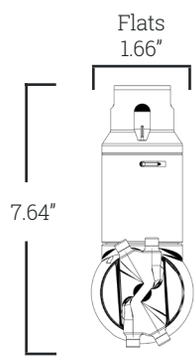
- High-impact jets clean quickly and efficiently
- Easily field-serviced to reduce maintenance costs
- Minimum moving parts to extend operating life
- Self-cleaning; self-lubricating
- Ideal for small to medium tanks, easily fits through Ø4" (100 mm) openings or Ø3.35" (85 mm) when nozzle head vertically aligned

SPRAY CHARACTERISTICS

- Variable cycle times
- High impact cleaning

Spray Angles: Complete 360° spray
Flow Rates: 12 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

All HydroWhirl Orbitor 100 tank cleaning machines are available with ATEX approval

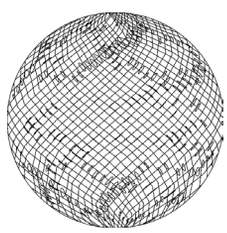


Vertical Nozzle Head Alignment
Clearance Diameter: 3.35"



Horizontal Nozzle Head Alignment
Clearance Diameter: 3.94"

Max. Working Temp.: 200° F (95 °C)
Max. Ambient Temp.: 285° F (140 °C)
Weight: 5.5 lbs
Materials:
Housing and Nozzle Head: 316L
Gears: PEEK + 316 SS
Bushings/Seals: Carbon Filled PTFE



Orbitor 4 nozzle spray pattern

TANK CLEANING

HYDROWHIRL® ORBITOR 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, 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	12.0	3.30	6.00	17.8	6.60	5.40	23.7	8.20	4.40	30.6	9.80	3.90
60	13.9	4.90	5.40	20.3	8.20	4.70	26.7	9.80	3.90	34.0	11.5	3.40
75	15.8	6.60	4.80	22.7	9.80	4.10	29.6	11.5	3.40	37.3	13.1	3.00
90	17.6	6.60	4.30	25.1	9.80	3.60	32.3	11.5	3.00	40.6	13.1	2.60
100	18.8	8.20	4.00	26.6	11.5	3.30	34.1	13.1	2.80	42.8	14.8	2.40
115	20.5	8.20	3.60	28.9	11.5	2.90	36.7	13.1	2.40	46.0	14.8	2.10
130	22.2	9.80	3.20	31.2	13.1	2.70	39.1	14.8	2.20	49.2	16.4	1.90
145	23.9	11.5	2.90	33.4	13.1	2.50	41.4	14.8	2.00	52.4	16.4	1.70

Performance may vary with ATEX models.

GEDO
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