

HydroWhirl® Orbitor 100



(HWO100) High Impact Compact Rotary Tank Cleaning Machine



DESIGN FEATURES

- Easily field-serviced to reduce maintenance costs
- Minimum moving parts to extend operating life
- Self-cleaning; self-lubricating
- High-impact jets; orbital wash pattern = high efficiency cleaning process
- 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 degree spray
- Flow Rates:** 43.8 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



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"

Orbitor 4 nozzle spray pattern

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

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			Female Connection Size			Female Connection Size			Female Connection Size		
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	44.8	1.00	6.00	66.7	2.00	5.50	88.5	2.50	4.40	115	3.00	4.00
4	51.7	1.50	5.40	75.0	2.50	4.80	99.5	3.00	4.00	127	3.50	3.50
5	58.5	2.00	4.80	84.5	3.00	4.20	110	3.50	3.50	138	4.00	3.10
6	65.0	2.00	4.30	93.3	3.00	3.70	120	3.50	3.10	152	4.00	2.70
7	71.7	2.50	4.00	102	3.50	3.30	130	4.00	2.70	163	4.50	2.40
8	78.1	2.50	3.60	110	3.50	2.90	140	4.00	2.40	175	4.50	2.10
9	85.0	3.00	3.20	118	4.00	2.70	148	4.50	2.20	187	5.00	1.90
10	90.0	3.50	2.90	127	4.00	2.50	157	4.50	2.00	198	5.00	1.70

Performance may vary with ATEX models.