HydroWhirl® Orbitor

(HWO) High-Impact Rotary Tank Cleaning Machine



DESIGN FEATURES

- Easily field-serviced to reduce maintenance costs
- Fewer moving parts than comparative gear-driven nozzles for maximum operating life
- Self-cleaning, self-lubricating
- High-impact jets produce orbital wash pattern for high-efficiency cleaning
- Male or female connections

SPRAY CHARACTERISTICS

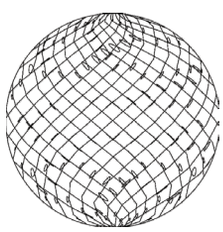
- Variable cycle times
- High-impact cleaning

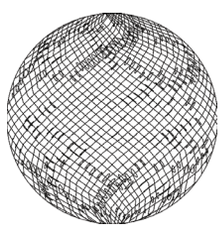
Spray Angles: Complete 360° spray coverage, 180° up or down patterns available upon request
Flow Rates: 80 to 600 l/min
Working Pressure: 3 to 10 bar
Max Temperature: 200 °F/93 °C
Filtration: Line strainer with a mesh size of 0.075 mm/ 200 mesh

Available with ATEX approval

Max Working Temp.: 200 °F (95 °C)
Max Ambient Temp.: 285 °F (140 °C)
Weight: 7.5 kg
Materials:
Housing and Nozzle Head: 316L SS
Gears: PEEK + 316 SS
Bushings/Seals: Carbon Filled PTFE

Minimum opening size is 127 mm for either 2-nozzle or 4-nozzle standard-capacity model with jets vertically aligned.


Orbitor 2 nozzle spray pattern


Orbitor 4 nozzle spray pattern

HWO - 4 Nozzle Flow Rates

Nozzle Number	4 X 4.2 mm			4 X 5 mm			4 X 6 mm			4 X 7 mm			4 X 8 mm		
Connection Size	1" and 1 1/2" NPT, BSP			1" and 1 1/2" NPT, BSP			1 1/2" NPT, BSP			1 1/2" NPT, BSP			1 1/2" NPT, BSP		
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)	Flow (l/min)	Jet Length (m)	Cycle Time (min)
3	80.0	2.90	11.0	112	4.00	13.0	138	5.30	15.5	217	6.50	11.4	250	7.20	15.5
4	100	3.00	9.30	137	4.20	10.8	170	5.70	12.9	252	7.10	9.80	293	8.00	12.9
5	115	3.50	7.90	155	4.70	9.40	200	6.20	11.0	283	7.70	8.70	333	9.00	11.0
6	127	4.00	6.90	173	5.20	8.00	220	7.00	9.50	310	8.50	8.10	367	9.90	9.50
7	138	5.00	6.30	185	6.30	7.30	240	8.00	8.40	333	9.40	7.50	395	10.6	8.50
8	147	6.20	5.80	195	7.50	6.80	257	9.40	7.60	350	10.3	7.10	418	11.2	7.80
9	153	7.10	5.60	202	8.50	6.50	270	10.3	7.00	367	11.2	6.90	438	12.2	7.00
10	157	7.80	5.50	207	9.00	6.40	282	11.2	6.90	380	12.0	6.60	458	13.0	6.90

HWO - 2 Nozzle Flow Rates

Nozzle Number	2 x 6 mm			2 X 7 mm			2 X 8 mm			*2 X 10 mm			*2 X 12.5 mm		
Connection Size	1 1/2" NPT, BSP			1 1/2" NPT, BSP			1 1/2" NPT, BSP			1 1/2" NPT, BSP			1 1/2" NPT, BSP		
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)	Flow (l/min)	Jet Length (m)	Cycle Time (min)
3	80.0	5.50	33.0	93.3	6.50	37.5	117	7.20	25.7	217	9.80	41.0	330	10.1	26.8
4	91.7	6.00	27.2	117	7.20	31.6	150	8.00	22.9	255	10.5	34.2	383	11.2	24.0
5	108	6.30	24.7	137	7.90	28.2	172	8.70	20.5	290	11.5	30.5	433	12.1	21.7
6	122	7.00	22.6	153	8.50	25.8	190	9.40	18.9	320	12.7	28.0	473	13.4	19.8
7	130	8.00	21.0	168	9.20	24.0	203	10.3	17.5	347	13.9	26.0	512	14.8	18.4
8	140	9.00	19.5	182	10.4	22.3	213	11.3	16.4	368	15.2	24.5	547	16.4	17.2
9	148	10.2	18.4	192	11.3	21.0	223	12.4	15.6	390	17.0	23.2	572	18.3	16.3
10	157	11.5	17.4	200	12.3	20.0	232	13.5	14.9	405	18.8	22.0	600	20.1	15.5

Performance may vary with ATEX models.

*High Capacity Jets

www.BETE.com

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

GEDO
Distribution et conseil : GEDO FRANCE
04 85 88 02 75 | tete@gedo.fr | tetelavage.gedo.fr
565 avenue du Prado - 13008 Marseille - France