

HydroWhirl[®] S

Rotary Nozzle - Stainless Steel

DESIGN FEATURES

- Cleans more quickly, and uses less water & lower pressure than static tank washers
- Surface finish of 0.8 microns Ra or better: ideal for sanitary applications
- Laser-welded design for durability
- Stainless steel construction - corrosion-resistant material
- Three connections: threaded, clip-on, and welded
- Made from FDA approved materials for use in Clean-In-Place (CIP) applications.

SPRAY CHARACTERISTICS

- Self-cleaning bearings
- Vigorous moving spray action
- Spray Angles: 360°, 90° Up, 90° Down, 180° Up, 180° Down, 270° Up, 270° Down

Flow rates: 4.39 – 338 l/min

All 360° HydroWhirl S nozzles are available with ATEX approval for Zone 0.



STANDARD CONNECTION SIZES

Additional connection sizes available on request

Connection Type	Nozzle Number														
	HWS 20-3	HWS 20-4	HWS 20	HWS 30-5	HWS 30-6	HWS 30	HWS 40-7.5	HWS 40-8	HWS 40-9	HWS 40	HWS 40HF-11	HWS 40HF	HWS 50-16	HWS 50	
Pipe Clip On	--	--	--	--	--	3/8"	--	--	--	3/4"	--	3/4"	--	1-1/2"	
Tube Clip On	--	--	--	--	--	3/4"	--	--	--	1"	--	1"	--	2"	
Pipe Weld On	--	--	1/4"	--	--	3/8", 1/2"	--	--	--	3/4", 1"	--	3/4", 1"	--	1-1/2", 2"	
Tube Weld On	--	--	1/2"	--	--	3/4"	--	--	--	1"	--	1"	--	2"	
FBSP/FBSP	1/8"	1/8"	1/8"	3/8"	3/8"	1/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	1-1/2"	1-1/2"	
DIN Clip On (mm)	--	--	8	--	--	15	--	--	--	20,25	--	20, 25	--	40, 50	
DIN Weld On (mm)	--	--	8, 10	--	--	15	--	--	--	15, 20, 25	--	15, 20, 25	--	40, 50	

ROTARY SPRAY

HydroWhirl S Flow Rates and Dimensions

Female Pipe Size	Nozzle Number	LITRES PER MINUTE @BAR						Dimensions (mm)			Mass (g)	Coverage Diameter (m) @2.75 bar
		0.5 bar	0.7 bar	1 bar	2 bar	3 bar	4 bar	A	B	C		
1/8"	HWS-20-3	4.39	4.79	5.40	7.05	8.19	9.11	16.6	42.7	69.1	24.9	1.5
	HWS-20-4	7.41	8.10	9.20	12.2	14.2	15.9					1.8
	HWS-20	10.8	12.0	13.9	20.2	25.3	29.1					
3/8"	HWS-30-5	7.71	8.80	10.4	15.3	18.9	21.9	27.9	59.4	83.3	93.0	2.4
	HWS-30-6	19.5	21.0	23.4	29.8	34.2	37.6					
1/4"	HWS-30	19.1	21.7	25.7	37.0	45.4	53.1					
3/4"	HWS-40-7.5	18.8	21.3	25.1	35.7	43.8	50.7	38.9	92.7	108	306	3.4
	HWS-40-8	21.5	24.3	28.6	40.6	49.6	57.2					
	HWS-40-9	26.6	30.2	35.7	51.5	63.0	72.7					
	HWS-40	30.2	34.6	41.2	59.9	71.8	82.5					
1 1/2"	HWS-40HF-11	40.9	46.4	54.5	77.3	95.0	109	38.9	92.7	108	302	4.0
	HWS-40HF	50.4	57.3	67.5	97.0	116	132					
1 1/2"	HWS-50-16	81.6	92.0	108	154	188	218	69.1	154.9	180	1524	5.5
	HWS-50	125	142	167	238	293	338					

