



THE
SPRAY NOZZLE
PEOPLE

HYDROWHIRL® S

Slotted Rotary Nozzle



TANK WASH

DESIGN FEATURES

- ✓ Cleans more quickly, and uses less spray media and lower pressure than static tank washers
- ✓ Surface finish of 0.8 µm (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 compliant materials for use in Clean-In-Place (CIP) applications

SPRAY CHARACTERISTICS

- ✓ Self-cleaning bearings
- ✓ Vigorous moving spray action
- ✓ Spray Angles: 360°, 90° Down, 180° Up, 180° Down, 270° Up, 270° Down (not available in all flow rates)
- ✓ Flow rates: 4.39 – 338 L/min
- ✓ All HydroWhirl S nozzles are available with ATEX approval for Zone 0



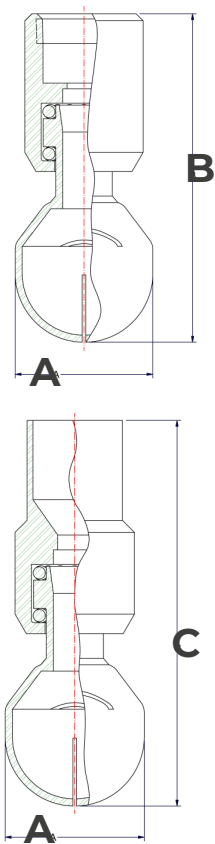
The HWS tank cleaning head delivers a robust cleaning action to the entire vessel. It is fluid powered, with the rotary action driven by liquid pressure.

The HWS is manufactured in hygienic 316 stainless steel making it ideal for food and pharmaceutical cleaning applications. It is a suitable choice of tank cleaner for small-medium sized vessels with light to moderately tough residues.

CALL NOW : +44 (0) 1273 400092

www.spray-nozzle.co.uk

The Go-to People for spray nozzle solutions



HydroWhirl S Standard Connection Sizes

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"	
FNPT/FBSP 1/8" 1/8"	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

HydroWhirl S Flow Rates and Dimensions

Standard Materials: Nozzle 316L; Ball Bearings 316 Stainless Steel

Female Pipe Size	Nozzle Number	Litres per minute @ BAR						Dimensions (mm)			Mass (g)	Coverage Diameter (m)	
		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	5.4	7.05	8.19	9.11						1.5
	HWS-20-4	7.41	8.1	9.2	12.2	14.2	15.9	16.6	42.7	69.1	24.9		1.8
	HWS-20	10.8	12	13.9	20.2	25.3	29.1						
3/8"	HWS-30-5	7.71	8.8	10.4	15.3	18.9	21.9						
	HWS-30-6	19.5	21	23.4	29.8	34.2	37.6	27.9	59.4	83.3	93		2.4
1/4"	HWS-30	19.1	21.7	25.7	37	45.4	53.1						
3/4"	HWS-40-7.5	18.8	21.3	25.1	35.7	43.8	50.7						
	HWS-40-8	21.5	24.3	28.6	40.6	49.6	57.2	38.9	92.7	108	306		3.4
	HWS-40-9	26.6	30.2	35.7	51.5	63	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	109	38.9	92.7	108	302		4
	HWS-40HF	50.4	57.3	67.5	97	116	132						
	HWS-50-16	81.6	92	108	154	188	218	69.1	154.9	180	1524		5.5
	HWS-50	125	142	167	238	293	338						