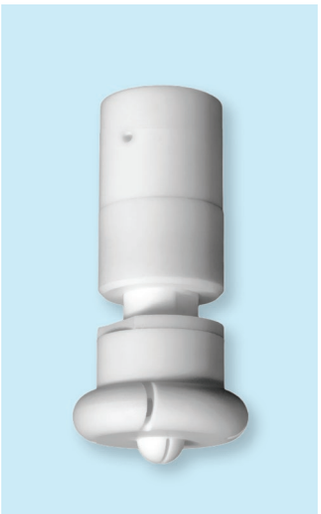
HydroWhirl® Poseidon

(HWP) PTFE Reactionary Force Tank Cleaning Nozzle



DESIGN FEATURES

- Fluid-driven, self-lubricating
- Manufactured from 100% PTFE material for both extreme corrosion resistance and FDA compliance
- Cleaning coverage for medium to large-sized tanks

SPRAY CHARACTERISTICS

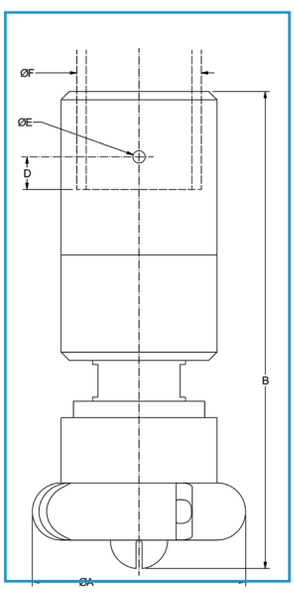
- Slow spinning action produces longer spray dwell time on the target surface, resulting in greater cleaning impact

Spray Angles: Complete 360° spray coverage, other spray angles available upon request

Flow Rates: 14.3 to 307 l/min

Max Temperature: 200 °F/93 °C

Filtration: Line strainer with a mesh size of 0.045 mm/325 mesh



HWP Dimensions (mm)

Nozzle Number	Female Connection Type	A	B	D	E	F (Pipe)	F (Tube)	F (DN)	Wt (g)
HWP-10	1/4" FNPT, BSP, Pipe Clip-On, DN10	42.7	100	12.7	2.29	13.7		13.0	85.1
	3/8" FNPT, BSP, Pipe Clip-On, DN15					17.3		19.0	
	1/2" FNPT, BSP, Pipe/Tube Clip-On, DN15					21.3	12.7	19.0	
	3/4" Tube Clip-On						19.1		
HWP-23 HWP-28	3/8" FNPT, BSP, Pipe Clip-On, DN15	49.5	105	12.7	4.06	17.3		19.0	113
	1/2" FNPT, BSP, Pipe Clip-On, DN20					21.3		23.0	
	3/4" FNPT, BSP, Pipe/Tube Clip-On, DN20					26.7	19.1	23.0	
	1" Tube Clip-On						25.4		
HWP-32 HWP-37	1/2" FNPT, BSP, DN20	76.2	163	12.7	4.83	21.3		23.0	595
	3/4" FNPT, BSP, Pipe Clip-On, DN25					26.7		29.0	
	1" FNPT, BSP, Pipe/Tube Clip-On, DN25					33.5	25.4	29.0	
	1 1/4" Tube Clip-On						31.8		
HWP-48 HWP-55 HWP-65 HWP-73	1" FNPT, BSP, Pipe Clip-On, DN40	83.8	185	12.7	4.83	33.5		41.0	822
	1 1/4" FNPT, BSP, Pipe Clip-On, DN40					42.2		41.0	
	1 1/2" FNPT, BSP, Pipe/Tube Clip-On, DN40					48.3	38.1	41.0	
	1 3/4" Tube Clip-On						44.5		

Dimensions are approximate. Check with BETE for critical dimension applications.

HWP Flow Rates

Materials: PTFE Body, 316 Stainless Steel Retaining Clip

Connection Type	Nozzle Number	Spray Angle	Flow Rate (l/min) @ Differential Pressure (bar)						Max Free Passage	Coverage Dia @ 3 bar
			0.5 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	mm	m
1/4" FNPT, BSP, Pipe Clip-On, DN10 3/8" FNPT, BSP, Pipe Clip-On, DN15 1/2" FNPT, BSP, Pipe/Tube Clip-On, DN15 3/4" Tube Clip-On	HWP-10	360°	14.3	20.3	24.9	28.8	35.4	40.9	1.52	2
3/8" FNPT, BSP, Pipe Clip-On, DN15 1/2" FNPT, BSP, Pipe Clip-On, DN20 3/4" FNPT, BSP, Pipe/Tube Clip-On, DN20 1" Tube Clip-On	HWP-23	360°	30.3	43.1	52.9	61.2	75.2	87.0	1.52	3
	HWP-28		34.6	49.0	60.0	69.3	84.9	98.0		4
1/2" FNPT, BSP, DN20 3/4" FNPT, BSP, Pipe Clip-On, DN25 1" FNPT, BSP, Pipe/Tube Clip-On, DN25 1 1/4" Tube Clip-On	HWP-32	360°	37.5	53.8	66.5	77.2	95.4	111	1.52	4
	HWP-37		48.5	69.2	85.2	98.7	122	141		5
1" FNPT, BSP, Pipe Clip-On, DN40	HWP-48	360°	66.0	94.0	116	134	165	191	1.52	7
1 1/4" FNPT, BSP, Pipe Clip-On, DN40	HWP-55		75.4	107	132	153	188	218		7
1 1/2" FNPT, BSP, Pipe/Tube Clip-On, DN40	HWP-65		98.7	140	171	198	243	281	2.29	8
1 3/4" Tube Clip-On	HWP-73		108	153	187	216	265	307		8

Flow rates represent threaded connections with a 360° spray angle. Flow rates may vary for other connection types and spray angles.

TO ORDER: specify pipe size, connection type, nozzle number, spray angle, and material.

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