

# HydroWhirl® Poseidon



(HWP) PTFE Reactionary Force



## DESIGN FEATURES

- Fluid-driven, self-lubricating
- PTFE material is corrosion resistant and ideal for harsh chemical environments.
- Cleaning coverage for medium to large tanks

## SPRAY CHARACTERISTICS

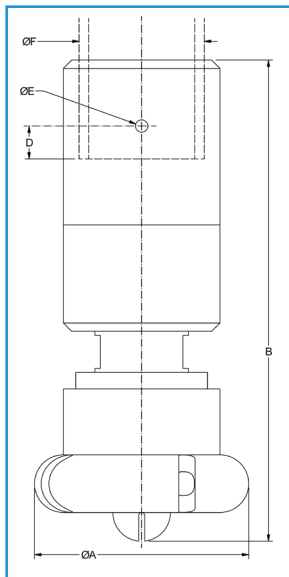
- Slow spinning produces longer spray dwell time on the target surface, increasing impact over conventional rotating designs

**Spray Angles:** Complete 360 degree spray, other spray angle patterns 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



## DIMENSIONS IN MILLIMETERS

Nozzle Number	Female Connection Size	A	B	D	E	F (Pipe)	F (Tube)	F (DN)	Weight (grams)
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	0.50	19.0	
	3/4" Tube Clip-On						0.75		
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	0.75	23.0	
	1" Tube Clip-On						1.00		
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	1.00	29.0	
	1 1/4" Tube Clip-On						1.25		
HWP-48 HWP-55 HWP-65 HWP-73	1" FNPT, BSP, Pipe Clip-On, DN40	88.8	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	1.50	41.0	
	1 3/4" Tube Clip-On						1.75		

TANK CLEANING

## HYDROWHIRL® POSEIDON® FLOW RATES

Materials: Nozzle: PTFE Body, 316 Stainless Steel Retaining Clip

Female Connection Type	Nozzle Number	Spray Angles	Flow Rate (L/min) @ Differential Pressure (bar)						Maximum Free Passage	Coverage Dia @ 3 bar		
			0.5	1	1.5	2	3	4				
			bar	bar	bar	bar	bar	bar				
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 HWP-28	360°	30.3	43.1	52.9	61.2			75.2	87.0
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 HWP-37	360°	37.5	53.8			66.5	77.2
1" FNPT, BSP, Pipe Clip-On, DN40 1 1/4" FNPT, BSP, Pipe Clip-On, DN40 1 1/2" FNPT, BSP, Pipe/Tube Clip-On, DN40 1 3/4" Tube Clip-On			HWP-48 HWP-55 HWP-65 HWP-73	360°			66.0	94.0			116	134
	75.4	107			132	153	188	218				
	98.7	140			171	198	243	281	2.29	8		
	108	153			187	216	265	307				

Flow rates represent threaded connections with a 360° spray angle.

Flow rates may vary for other connection types and spray angles.