

HydroWhirl Poseidon™ spray nozzles for quick, efficient tank cleaning

The HydroWhirl Poseidon tank-washing nozzle directs the cleaning water through a rotating head at the tip of the spray assembly. This produces a slow-moving, high-impact spray action against internal surfaces of the tank. The HydroWhirl Poseidon nozzle head uses impact and repetition to quickly break up and wash away contamination. The combination of the spray pattern and slow rotation of the HydroWhirl Poseidon tank-washing nozzle is especially effective at removing scum rings or tougher, stuck-on material.

Advantages of the HydroWhirl Poseidon rotary tank-washing nozzle:

- Cleans more quickly and uses less water and lower pressure than static tank washers
- Complete 360° omnidirectional coverage
- Slow rotation speed provides higher impact and more efficient cleaning.
- Durable PTFE nozzle construction withstands extreme chemical and elevated temperature environments.
- Simple internal design allows reliable flow-through operation
- Design validated by lab testing to 200°F (93°C)
- Maintenance-friendly design allows disassembly, inspection, and reassembly with basic hand tools.
- Made from FDA-approved materials for use in Clean-in-Place (CIP) applications

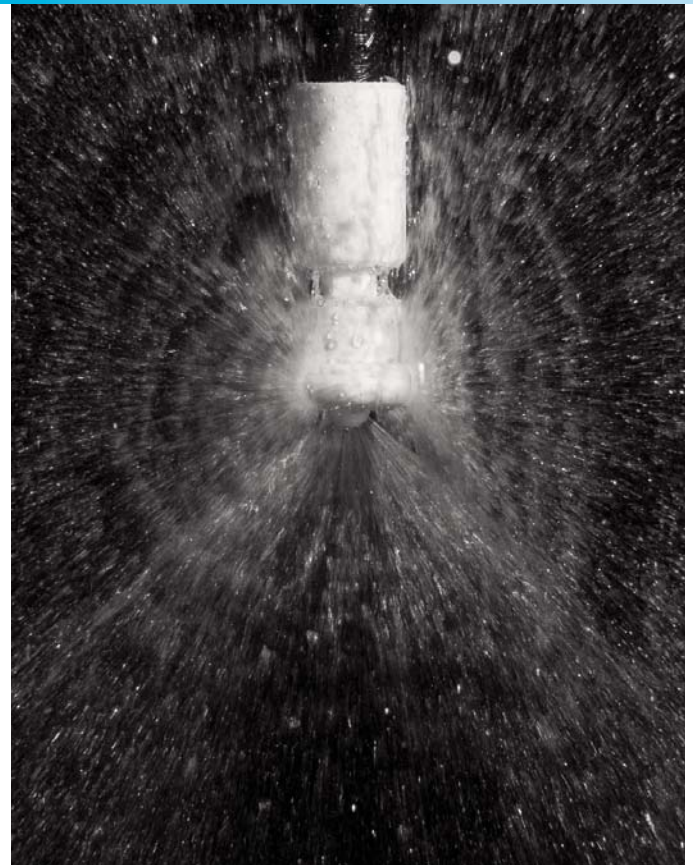
The HydroWhirl Poseidon tank-washing nozzle has been carefully designed for long service life

Comprehensive Quality Control:

- Material traceability controlled throughout production
- BETE product quality is maintained using a quality system registered to ISO 9001-2008

Design flexibility:

- Available with pipe, tube, or DIN connections. Threaded connections available upon request.
- Flow range: 58.3 to 333 L/min



The HydroWhirl Poseidon tank-washing nozzle is an outstanding combination of design, quality, and performance. The HydroWhirl Poseidon tank-washing nozzle is ideal for anyone who needs a polymer nozzle for reliable, efficient cleaning of tanks and other interior spaces.

BETE Fog Nozzle, Inc. has been pioneering nozzles for the food-processing and pharmaceutical industries for over 60 years. Our Applications Engineering department will work with you to ensure you choose the right BETE nozzle for your application.

BETE®

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HydroWhirl® Poseidon™

Tank Washing - PTFE Spray Nozzle



DESIGN FEATURES

- Cleans more quickly, and uses less water and lower pressure than static tank washers
- PTFE construction:
 - Ideal for harsh chemical environments
 - Corrosion resistant
- Three connections: pipe, tube, or DIN clip-on. Threaded connections available upon request.
- Made from FDA-approved materials for use in Clean-In-Place (CIP) applications.

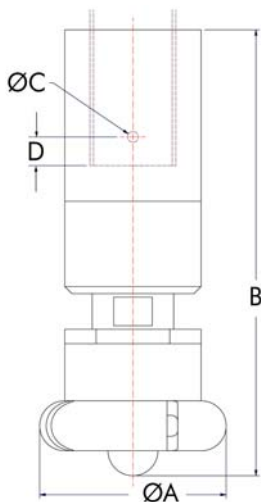
SPRAY CHARACTERISTICS

- Slow spinning, longer spray dwell time on the target surface increases impact over conventional rotating designs
- Complete 360° omnidirectional spray pattern

Flow rates: 58.3 to 333 L/min

Minimum Tank Opening:

Small: 75mm, Large: 83mm



HydroWhirl Poseidon™ Nozzle Coverage Chart When spraying at 2.8 bar	
Nozzle Number	Washing Diameter (m)
HWP-32	4.5
HWP-37	3.5
HWP-48	5.5
HWP-55	6.5
HWP-65	6.0
HWP-73	5.0

CONNECTION SIZES				
Connection Type	Body Size			
	SMALL		LARGE	
Pipe Clip On	3/4"	1"	1-1/4"	1-1/2"
Tube Clip On	1"	1-1/4"	1-1/2"	1-3/4"
DIN Clip On	20mm	25mm	40mm	

Threaded connections available upon request

Dimensions are approximate. Check with BETE for critical dimension applications.
Not recommended for applications over 4 bar.

HydroWhirl Poseidon™ Nozzle Flow Rates* and Dimensions

Body Size	Nozzle Number	Spray Angle	LITERS PER MINUTE @BAR						Dimensions (mm)				Mass (g)	
			0.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	A	B	C	D MAX		
SMALL	HWP-32	360°	58.3	70.6	87.8	102	127	149	74.7	163	4.8	12.7	595	
	HWP-37		67.9	81.9	101	118	146	170						
LARGE	HWP-48		85.6	104	129	151	189	221	82.6	185	4.8	12.7		822
	HWP-55		100	121	150	175	217	253						
	HWP-65		120	145	179	207	256	297						
	HWP-73		135	163	201	233	287	333						

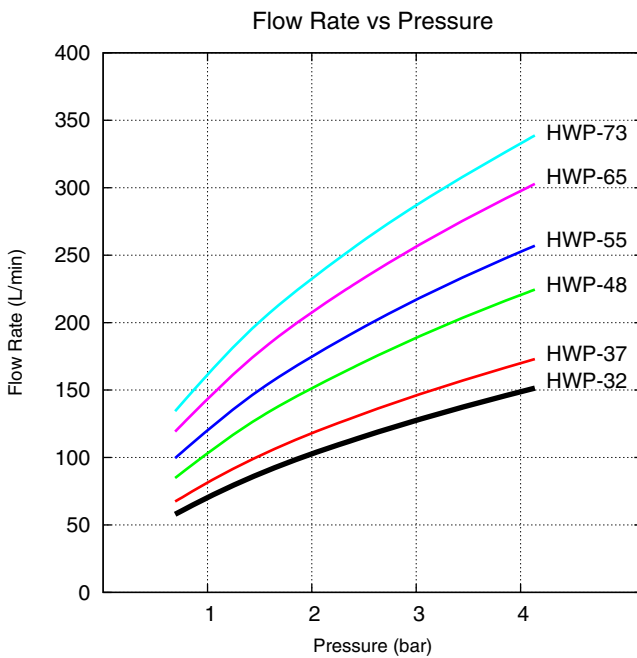
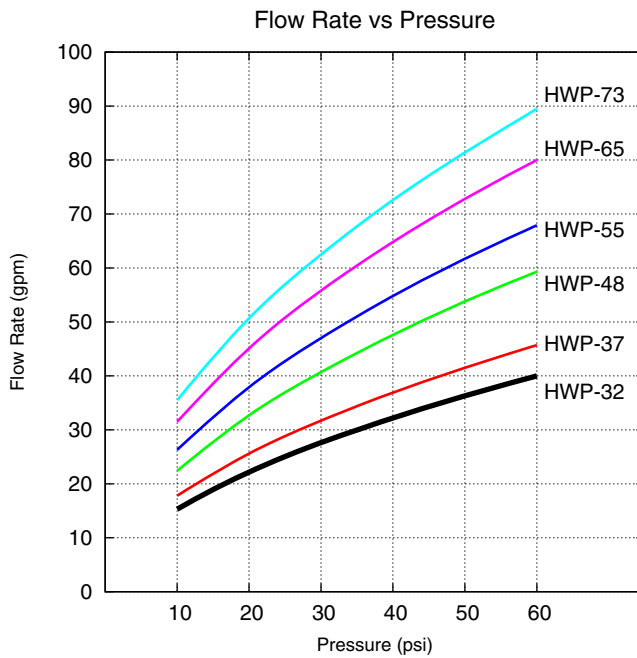
Standard Materials: Nozzle: PTFE; Retaining Clip: 316 stainless steel

*Threaded connections may restrict the flow. Contact BETE for more information.

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HydroWhirl® Poseidon™

Tank Washing - PTFE Spray Nozzle



Threaded connections may restrict the flow. Contact BETE for more information.

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