

HydroClaw[®]

Superior Clog-Resistant Nozzle for Ferocious Tank Cleaning

- Triple the free passage of spray balls
- Unique, patent-pending, clog-resistant design with no moving parts
- Complete 360° coverage
- Vigorous rinsing action quickly flushes solids and contamination from vessels

Who needs the HydroClaw[®]?

- Wineries: spray balls get clogged with stems, skins, and seeds
- Breweries: spray balls get clogged with grains and hops
- Juice Processing Plants: tank washing nozzles get clogged with fruit seeds and pulp
- Sugar Processing Plants: rotary nozzles jam up with sticky residue
- Tomato Processing Plants: tank washing nozzles get clogged with seeds and skins

Advantages of the HydroClaw[®]

Low-maintenance design

- Self-draining and self-flushing design
- No moving parts = low maintenance

High-precision machining

- 316L stainless steel construction for food-grade and sanitary applications
- Laser-welded for durability

Designed with your tank in mind

- Available in a variety of connection sizes and types, including threaded, clip-on and welded.
- Fits through compact openings: either 63.5 mm or 76.0 mm diameter
- Spray Angle: complete 360° coverage for tanks up to 3 m diameter
- Free Passage: allows passage of particles 6.4 mm in diameter; three times the free passage of a comparable spray ball
- **Recommended operating pressure:** 2 bar
- Low pressure, high flow for quick, energy-efficient rinse



Fermentation tank cleaned with the HydroClaw



BETE[®]

PERFORMANCE THROUGH ENGINEERING

BETE Fog Nozzle, Inc.
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Visit BETE.com for comprehensive spray nozzle tools, case studies and literature.

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

HydroClaw[®]

Tank Washing - Superior Clog Resistance

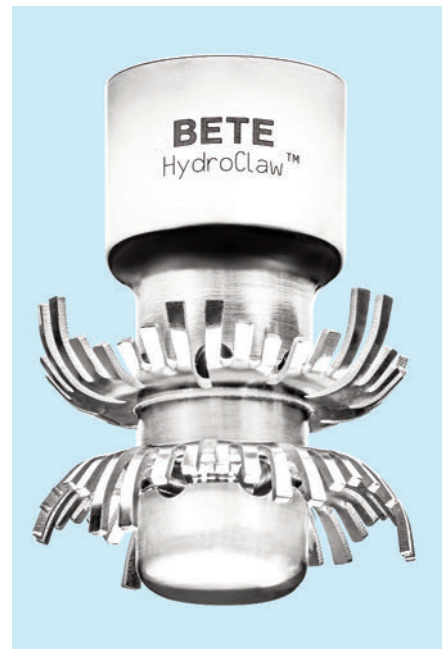
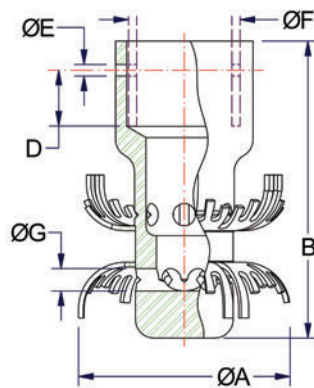
DESIGN FEATURES

- Patent-pending, clog-resistant design with no moving parts
- Allows passage of particles 6.4 mm in diameter, three times the free passage of a comparable spray ball
- Made from FDA compliant 316L stainless steel for use in food-grade and sanitary Clean-In-Place (CIP) applications
- Low pressure/high flow operation quickly cleans tank walls to reduce overall water consumption compared to a static spray ball
- Self-draining and self-flushing
- Laser-welded for durability
- Available in a variety of connection sizes and types, including threaded, clip-on and welded.
- Clip-on nozzles include low-profile retaining pin for secure connection
- Fits through compact openings: either 63.5 mm or 76 mm diameter

SPRAY CHARACTERISTICS

- Vigorous rinsing action quickly flushes solids and contamination from vessels
- Complete 360° omnidirectional coverage
- Optimum cleaning performance at 2 bar
- Recommended installation 0.6 - 1.0 m vertically below top of tank

Flow rates: 119 - 442 L/min



HydroClaw Flow Rates and Dimensions

Connection Types	Nozzle Number	LITERS PER MINUTE @BAR				Dimensions (mm)						Wt (g)	Coverage Diameter (m) @2 BAR
		1.5 BAR	2 BAR	2.5 BAR	3 BAR	A	B	D	E	F	Free Pass. G		
3/4" NPT	HC-42	119	136	152	166	60.5	91.2	-	-	-	6.4	416	2.4
G3/4												413	
1" Tube Weld-On												325	
1-1/2" Tube Clip-On	HC-42	125	145	161	176	60.5	102	19.1	4.1	38.1	6.4	504	2.4
1" Tube Clip-On												25.4	
DN20 Tube Clip-On*												23.1	
3/4" Pipe Clip-On												26.7	
1" NPT	HC-100	279	322	360	394	73.2	102	-	-	-	7.6	649	3.0
G1												635	
1-1/2" Tube Weld-On												425	
1-1/2" Tube Clip-On	HC-100	312	361	403	442	73.2	102	19.1	4.1	38.1	7.6	527	3.0
DN40 Tube Clip-On*												437	
1" Pipe Clip-On												33.5	

Standard Material: 316L Stainless Steel

Clip-on flow rates may vary depending on actual O.D. of installation tube or pipe

*Per DIN 11866 Part A / DIN 11850 Part B

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