

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 vessel.

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 2 1/2" (HC-42) or 3" (HC-100) diameter
- Spray Angle: complete 360° coverage for tanks up to 10' in diameter
- Free Passage: allows passage of particles 1/4" in diameter; three times the free passage of a comparable spray ball
- **Recommended Operating Pressure:** 30 psi
- Low pressure, high flow for quick, energy-efficient rinse



Fermentation tank cleaned with the HydroClaw



BETE[®]

PERFORMANCE THROUGH ENGINEERING

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Visit www.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

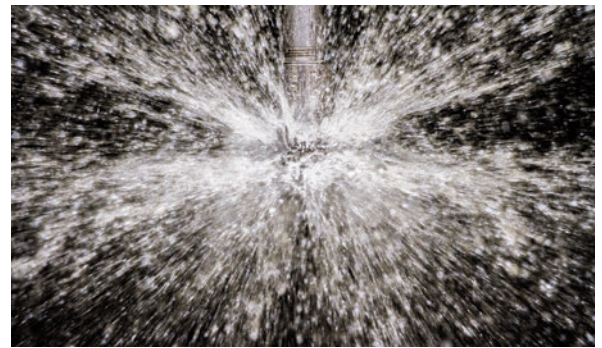
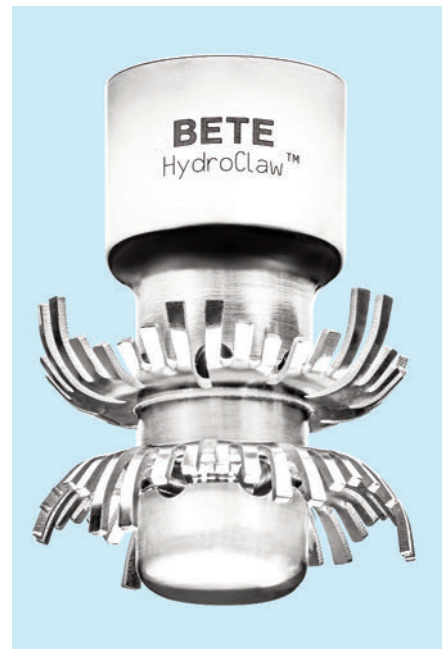
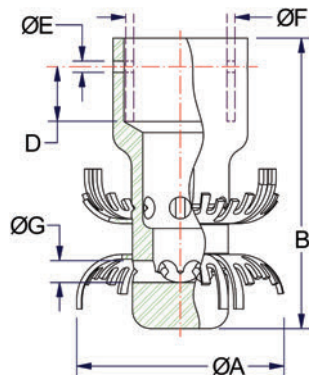
DESIGN FEATURES

- Patent-pending, clog-resistant design with no moving parts
- Allows passage of particles 1/4" 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 2-1/2" (HC-42) or 3" (HC-100) diameter

SPRAY CHARACTERISTICS

- Vigorous rinsing action quickly flushes solids and contamination from vessels
- Complete 360° omnidirectional coverage
- Optimum cleaning performance at 30 psi
- Recommended installation 2 - 3 ft vertically below top of tank

Flow rates: 33 - 112 gpm



HydroClaw Flow Rates and Dimensions

Connection Type	Nozzle Number	GALLONS PER MINUTE @PSI				Dimensions (in)						Wt (oz)	Coverage Diameter (ft) @30 PSI
		25 PSI	30 PSI	35 PSI	40 PSI	A	B	D	E	F	Free Pass. G		
3/4" NPT	HC-42	33.4	36.6	39.5	42.0	2.38	3.59	-	-	-	0.25	15	8
G3/4													
1" Tube Weld-On													
1-1/2" Tube Clip-On	HC-42	35.7	38.9	42.0	44.8	2.38	4	0.75	0.16	1.50	0.25	18	8
1" Tube Clip-On										1.00		14	
DN20 Tube Clip-On*										0.91		15	
3/4" Pipe Clip-On										1.05		14	
1" NPT	HC-100	79.0	86.5	93.5	100	2.88	4.00	-	-	-	0.30	23	10
G1												23	
1-1/2" Tube Weld-On												15	
1-1/2" Tube Clip-On	HC-100	88.5	96.9	105	112	2.88	4.00	0.75	0.16	1.50	0.30	19	10
DN40 Tube Clip-On*										1.57		15	
1" Pipe Clip-On										1.32		21	

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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