

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

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 connections: 1" female NPT or G threads, 1 1/2" or DN40 tube clip-on, 1" pipe clip-on
- Fits through 76 mm diameter opening
- Spray angle: complete 360° coverage for tanks up to 3 m in diameter
- Free passage: allows passage of particles over 7 mm 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



HydroClaw™

Tank Washing - Superior Clog Resistance

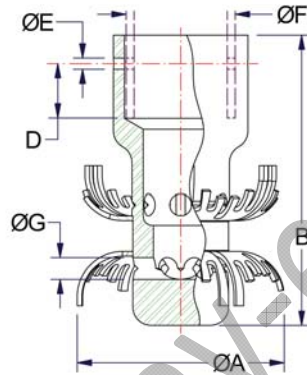
DESIGN FEATURES

- Patent-pending, clog-resistant design with no moving parts
- Allows passage of particles over 7 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 connections: 1" female NPT or G threads, 1 1/2" or DN40 tube clip-on, 1" pipe clip-on
- Clip-on nozzles include low-profile retaining pin for secure connection
- Fits through 76 mm diameter opening

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: 279 - 442 L/min



Connection Size Nomenclature

1" NPT	1-HC-100
G1	G1-HC-100
1 1/2" Tube Clip-On	1 1/2-TC-HC-100
DN40 Tube Clip-On*	40-DC-HC-100
1" Pipe Clip-On	1-PC-HC-100

HydroClaw Flow Rates and Dimensions

Female Connections	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		
1" NPT	HC 100	279	322	360	394	73.2	102	-	-	-	7.62	649	3.05
G1												635	
1 1/2" Tube Clip-On	HC 100	312	361	403	442	73.2	102	19.1	4.1	40.0	7.62	527	3.05
DN40 Tube Clip-On*												437	
1" Pipe Clip-On												598	

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