

# BETE SPRAY NOZZLES FOR EXCEPTIONAL TANK CLEANING PERFORMANCE

BETE offers a complete line of tank cleaning nozzles designed for every tank size and soil type. Use our tank cleaning devices to improve efficiency in industrial or hygienic applications. If you need help selecting the right nozzle, our engineering experts can recommend an ideal solution for your unique process requirements.



HydroWhirl® Mini  
PVDF  
Free-Spinning  
Max. Range 3.5 ft/1 m



HydroWhirl® Mini SS  
Free-Spinning  
Max. Range 6 ft/1.8 m



TW  
Stationary  
Max. Range 8 ft/2.4 m



LEM  
Stationary  
Max. Range 8 ft/2.4 m



CLUMP  
Stationary  
Max. Range 10 ft/3 m



HydroClaw®  
Stationary  
Max. Range 10 ft/3 m



HydroWhirl® Disc  
Free-Spinning  
Max. Range 11 ft/3.6 m



HydroWhirl® Stinger  
Free-Spinning  
Max. Range 12 ft/4 m



HydroWhirl® Poseidon  
Slow-Spinning  
Max. Range 25 ft/7.6 m



HydroWhirl® Orbitor 100  
Controlled Rotation  
Max. Range 56 ft/17 m



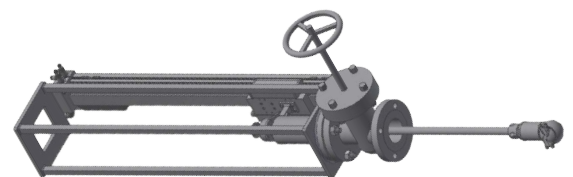
HydroWhirl® Orbitor  
Controlled Rotation  
Max. Range 130 ft/39.6 m

Note: The maximum cleaning range listed for each nozzle is tank diameter.

## ACHIEVE OPTIMAL NOZZLE PLACEMENT FOR EFFECTIVE CLEANING WITH SPRAY LANCES

BETE **tank cleaning lances** provide ideal nozzle placement inside of tanks and vessels. We design and fabricate each lance at BETE to ensure close coordination through all phases of the project.

- Retractable designs provide easy access and maintenance
- Weld Certifications: ASME B31.1 for Process Piping and other applicable ASME Codes/Standards
- PVDF, 316SS, 316L SS, nickel alloys, and other exotic materials



# OPTIMIZE YOUR TANK CLEANING WITH BETE SPRAY TECHNOLOGY

## CLEAN TANKS EFFICIENTLY AND SAVE ON RESOURCES

No matter your cleaning challenge, BETE specializes in spray technology for industrial or hygienic tank and equipment cleaning, offering a complete line of products for every tank size and soil type. Our tank cleaning nozzles maximize efficiency and remove soils effectively. Our solutions save significant time and money over other cleaning methods such as “fill and drain” or manual labor.

We know that reliable cleaning of your vessel, processing equipment, tanker truck, or railcar is critical for your process. BETE’s decades of experience providing innovative tank and equipment cleaning solutions translates to expert engineering you can count on when it matters most.

## PREVENT DOWNTIME WITH CLOG-RESISTANT STATIONARY NOZZLES

- No moving parts
- Low maintenance
- Durable
- Clog-resistant
- Compact sizes fit small openings



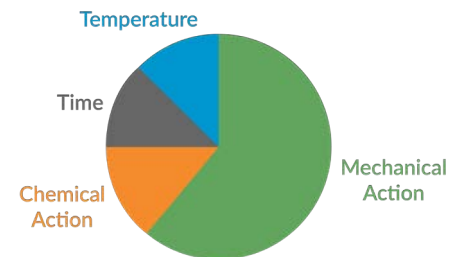
HydroClaw®

The unique patented clog-resistant design allows the passage of particles over 1/4", three times the free passage of comparable static spray balls.

## REDUCE WATER USAGE AND CYCLE TIME USING GREATER MECHANICAL ACTION WITH ROTARY SPRAY HEADS

The relationship between mechanical action, chemical action, time, and temperature plays a vital role in cleaning. As illustrated in this diagram, a rotating spray nozzle’s mechanical action provides substantial spray impact for effective soil removal. **The decrease in required chemicals, time, and temperature ensures annual cost savings compared with the resources needed for static spray balls.**

- 50% water savings compared to static spray balls
- 40% faster cleaning using less energy
- Precise and reliable cleaning prevents batch contamination



LEARN HOW BETE SPRAY TECHNOLOGY SAVES YOU TIME, MONEY, AND RESOURCES



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