



Spraying Systems Co.®
Experts in Spray Technology



Spray
Nozzles



Spray
Control



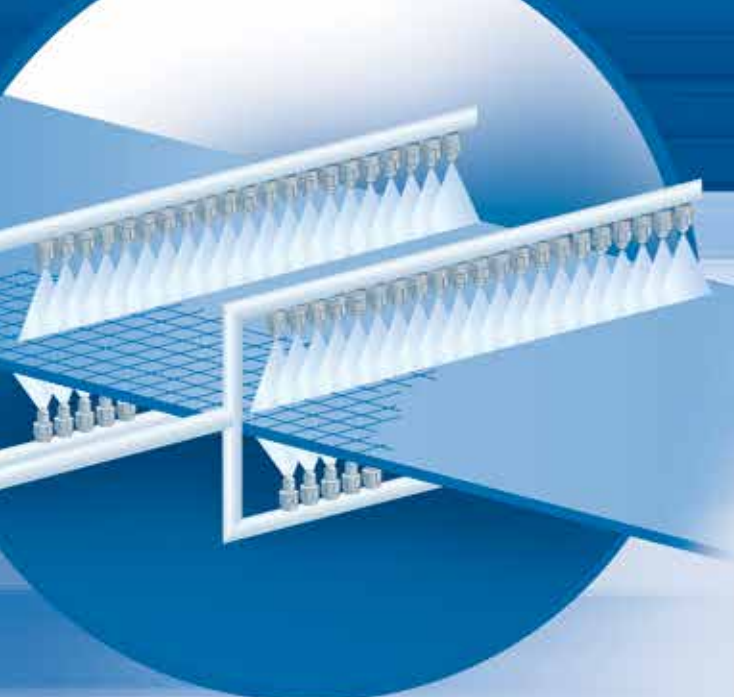
Spray
Analysis



Spray
Fabrication



**A Guide to Safe and Effective Sanitation
for Food and Pharmaceutical Processing**



Spray Nozzles
and Manifolds for

Conveyor & Equipment Cleaning



More Spray Technology Resources

Request our new Industrial Spray Products Catalog 75 for the most comprehensive resource of hydraulic spray nozzles and accessories available.

Achieve spotless cleaning over the entire conveyor width

VeeJet® nozzles have a tapered flat fan spray that provides uniform coverage of overlapping spray patterns in a manifold. The versatile medium impact spray works well in rinsing, washing and sanitizing stages.



VeeJet
Nozzle

Cut maintenance time in half with quick-change spray tips

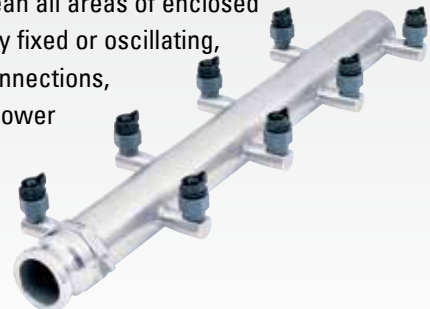
Cleaning or replacing clogged and worn nozzles is fast and easy with QuickJet® spray nozzle systems. They have a body that stays in place and a replaceable tip that is easily inserted by hand. QuickJet spray tips are constructed of chemical-resistant polypropylene, and they are color-coded by flow rate for fast identification.



QuickJet
Nozzle

Thorough cleaning in hard-to-reach equipment areas

If you have a sanitation application that is more challenging, a custom-fabricated manifold may be the solution. Designed to your specifications, custom manifolds can effectively clean all areas of enclosed equipment. Specify fixed or oscillating, inlet and outlet connections, nozzle spacing, shower height, materials of construction and much more.



Specifying the right nozzle increases efficiency at every cleaning stage

WashJet® nozzles are available with a solid stream or flat even spray pattern. They provide a high impact spray that cuts through debris on conveyors and equipment. High pressures range from 300 to 4000 psi (20 to 275 bar).



WashJet
Nozzle

With a narrow angle, flat fan, high impact spray, FlatJet® nozzles are very effective for cleaning at low pressures from 15 to 150 psi (1 to 10 bar). The high-impact spray effectively removes debris, while the low pressure keeps contaminants from spreading to other areas.



FlatJet
Nozzle

SpiralJet® nozzles have a full cone spray pattern that provides full cleaning coverage of narrow width conveyors. The extra large free passage minimizes clogging in recirculated CIP systems.



SpiralJet
Nozzle

Adjustable WashJet® nozzles feature a twistable cap that quickly and easily changes the spray pattern from solid stream to flat fan. ConeJet® nozzles adjust the spray pattern from solid stream to hollow cone. Our adjustable spray nozzles are frequently used in handheld spray guns to increase efficiency of maintenance workers.



Adjustable
WashJet Nozzle

Nozzle Selection Guide

Features	VeeJet®	QuickJet®	WashJet	FlatJet®	SpiralJet	Adjustable WashJet	Adjustable ConeJet
High Pressure		•	•			•	
Low Pressure	•	•		•	•		•
High Impact	•	•	•	•		•	
Low Impact	•	•			•		•
High Temperature	•	•	•	•	•		
Solid Stream	•	•	•			•	•
Flat Fan	•	•	•	•		•	
Hollow Cone					•		•
Full Cone		•			•		
Overlapping Spray Patterns on Manifold	•	•	•	•			
Adjustable Spray Pattern						•	•
Recommended for Equipment Cleaning	•	•	•	•	•	•	•
Recommended for Conveyor Cleaning	•	•	•	•	•	•	•



TankJet® Tank Cleaning Equipment



More Tank Cleaning Resources

Learn about dozens of ways to clean vats, totes, and tanks up to 100' (30 m) in diameter. Request Catalog 15, TankJet Tank Cleaning Products.

3A-rated nozzles for CIP applications

Fixed spray balls are commonly used in CIP systems because they have no moving parts and require minimal maintenance. Due to their low impact and ability to withstand harsh chemicals, they are best-suited for final rinse or sanitation applications.



TankJet Spray Balls

The 41800E TankJet nozzle maintains constant rotational speed to clean and sanitize tanks up to 12' (3.7 m) in diameter. Impact is four times greater than conventional rotating nozzles, so it thoroughly cleans while using less water. It features a high maximum operating temperature up to 302° F (150° C).



41800E
TankJet Tank
Cleaning Nozzle

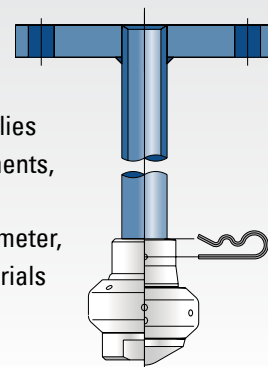
The TankJet 28500R tank cleaning nozzle has a threadless design and stainless steel locking pin that provide a better seal and prevent contamination. Multiple orifices and a fluid-driven, rotating spray head make this nozzle ideal for low-pressure cleaning and rinsing of tanks up to 18' (5.5 m) in diameter. PTFE construction withstands harsh cleaning chemicals.



28500R
TankJet Tank
Cleaning Nozzle

Custom sanitation lances

For complete tank cleaning assemblies that meet your application requirements, we can fabricate lances to your specifications. Customize lance diameter, thickness, length, connectors, materials of construction and more.



Automated tank cleaning nozzles reduce downtime and labor costs up to 82%

Rotating Tank Cleaning Nozzles

The TankJet® AA190 Tank Cleaner provides 360° of high-impact spray coverage to remove difficult residues from medium to large tanks up to 34' in diameter. Two to four solid stream jets rotate on a motorized spray turret to thoroughly clean all interior tank surfaces. The variable speed motor increases productivity with flexible wash cycle times as low as five minutes.



TankJet AA190
Tank Cleaner

Designed to increase cleaning impact up to four times greater than conventional rotating nozzles, the TankJet D26984 nozzle is excellent for cleaning, sanitizing and foaming applications in both containers and equipment.



D26984 TankJet
Tank Cleaning
Nozzle

Available with one to three spray orifices, the 23240 nozzle washes kegs and small barrels up to 3' (.9 m) in diameter.

23240
Tank Wash Nozzle

The TankJet 36640 tank cleaning nozzle features two rotating flat spray tips that deliver cylindrical spray coverage to rinse and lightly clean small containers.



TankJet
36640
Keg Wash
Nozzle

TankJet 21400A and TankJet 18250A nozzles have three high-impact, flat sprays for complete orbital coverage when washing tanks, barrels and drums. Both are available in high-temperature models for sanitizing up to 350° (177° C).



TankJet 21400A
Tank Cleaning
Nozzle

For minimal maintenance, the TankJet D41892 nozzle features a self-cleaning, sliding bearing. It is ideal for rinsing chemical containers and tanks up to 6.5' (2.0 m) in diameter. A CIP connection is available upon request.

TankJet D41892
Tank Cleaning Nozzle

Stationary Tank Wash Nozzles

TankJet 15498 and TankJet 3150 tank cleaning nozzles are available with 21 orifices for 360° coverage or 15 orifices for 210° forward-only coverage. The reduced neck design is self draining. The 15498 is designed to pass through standard keg bungs, and the 3150 is excellent for cleaning the interior of small distribution or process drums.



TankJet 15498
Keg Cleaning
Nozzle

TankJet 3150
Drum Cleaning
Nozzle

The TankJet VSM nozzle is durable and corrosion-resistant. It efficiently rinses small containers up to 5' (1.6 m) in diameter.



TankJet VSM
Tank Cleaning Nozzle

The TankJet 6353 high-capacity nozzle thoroughly cleans tanks and vessels up to 22' (6.7 m) in diameter. It features numerous spray patterns and coverages and is available in a Maximum Free Passage version to reduce clogging.



TankJet 6353
Tank Cleaning Nozzle



Air Knives and Air Nozzles for Conveyor Drying & Blow-off



More Drying and Blow-Off Resources

For performance data and specifications, request WindJet Air Nozzles, Catalog 20. This comprehensive resource includes nozzle that use compressed air and air knives powered by dependable regenerative blower.

Air knives cut compressed air usage in blowing and drying

With compressed air accounting for 30% of a plant's energy consumption, efficient air control can save thousands of dollars every year.

WindJet® Air Knife Packages use a regenerative blower to generate clean, heated air. Blower air knives are recommended for large areas where the conveyor is over two feet wide. Standard knife lengths are from 3" to 15' (76 mm to 4.6 m). Custom lengths are also available. Blowers are available from 1 to 30 HP (.75 to 14.1 kW).



WindJet
Blower Air Knives

Compared to drilled pipes, WindJet Low Flow Air Knives use very small amounts of compressed air to produce a high-velocity, uniform air stream. They operate at noise levels below 69 dBA and are recommended for smaller areas where the conveyor is less than two feet wide. Low Flow Air Knives are ideal for processes that cannot tolerate additional heat.



WindJet
Low Flow Air Knives

Air nozzles create a targeted, high-velocity air stream

WindJet Air Nozzles offer the highest impact of all air control products. They work well as a final blow-off stage to remove excess water from detailed objects with crevices or from rounded objects that require high velocities. AA727 nozzles have 16 precision orifices that deliver a flat fan spray, and AA707 nozzles generate a tightly-directed round spray pattern.



AA727
Air Nozzles

AA707
Air Nozzles

Adjustable capacities and patterns for effective cleaning in multiple washdown stages

The CU150A GunJet® spray gun has a high-impact, low-pressure spray that cleans without spreading contaminants. The spray pattern is adjustable from hollow cone to solid stream. To conserve water and chemicals, the orifice caps can be quickly and easily changed to lower capacities for final rinsing stages. The ergonomic design reduces fatigue on operators' wrists and hands.



CU150A GunJet Spray Gun

Another option for low-pressure sanitation applications is the 60-21580 GunJet spray gun. It features a trigger-activated, adjustable spray pattern from hollow cone to solid stream. Recommended for high temperatures up to 300° F (150° C), the 60-21580 has a front hose connection to keep the grip cool.



60-21580 GunJet Spray Gun

The AA70 GunJet spray gun is designed for high pressure spraying up to 5000 psi (345 bar). It features easy trigger pull at high pressure, large area to accommodate work gloves, a contour handle that is comfortable for all hand sizes and a vented housing to keep the handle cool at all times.



AA70 GunJet Spray Gun



Spray Guns for Manual Clean-up



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