



GAMAJET®

GAMAJET Cleaning Systems, Inc.
604 Jeffers Circle, Exton, PA 19341

Are your tanks or barrels **dirty**?

Need to save **time and water**?

Want a **guaranteed** clean?

Tired of **manually scrubbing**?

Want **consistent flavor**?

Want Sustainability?

GO WITH THE LEADER.

Wine, Brewing and Distilling Industry

NO MATTER THE TANK, WE HAVE THE TANK CLEANING SOLUTION

over 70 years experience in providing tank cleaning solutions with quality products and unsurpassed service

Become More Sustainable with Gamajet

100% Clean Every Time, **Guaranteed**

Use **80% Less Water and Chemicals**

Clean **75% Faster**

Eliminate Tank Entry and Manual Cleaning

BENEFITS **BARREL CLEANING: RACKED OR STACKED, WE HAVE A MACHINE THAT CAN CLEAN YOUR BARRELS, IN PLACE, WITHOUT DAMAGING THE OAK.**

Under 2 minutes per barrel
Less than 12 gallons of water
Ozone compatible
Clean bung up or bung down
Low pressure: extends barrel lifetime
No damage to the barrel or toast

BENEFITS **ROTARY IMPINGEMENT TANK CLEANING: THE MOST EFFICIENT AND EFFECTIVE CLEANING**

Powerful cleaning with minimal resources
Repeatable and reliable pattern
Patented state of the art technology
Durable machines - 3 times the service life
Wide range of operating conditions
Can recirculate wash fluid without clogging
24 hour turnaround service

GAMAJET IX: SMALL TANK CLEANER

Perfect for tote and tanks under 1500 gallons

POWERFLEX: MID SIZED TANK CLEANER

Low pressure works with nearly any transfer pump

GAMAJET VIII: EASY TO HANDLE LARGE TANK CLEANER

Clean tanks up to 100 ft. in height or diameter - perfect for portable or permanent installation

GENTLEJET: NO PRESSURE WASHER REQUIRED

Only 60 psi (4 bar)

DURABLE

SOLUTION

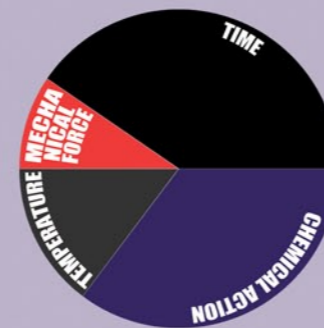
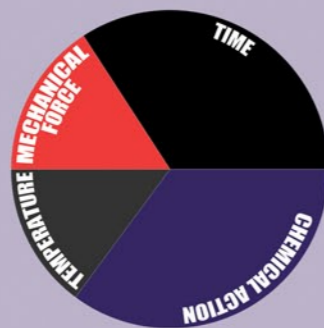
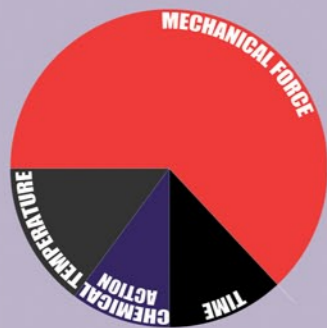
Unsurpassed service

YOU WOULDN'T PUT YOUR PRODUCT IN A DIRTY BOTTLE, WHY WOULD YOU RISK PUTTING IT IN A DIRTY TANK OR BARREL?

GAMAJET ROTARY IMPINGEMENT

ROTARY WETTING

SPRAY BALL

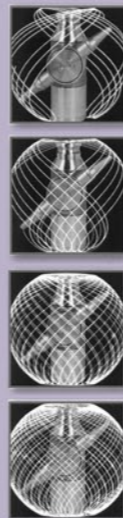


THE FOUR PRIMARY FACTORS OF CLEANING

Dr. Herbert Sinner, a former chemical engineer for Henkel, first summarized the basic principals of cleaning in 1959. His summary, now referred to as the Sinner's Circle (seen above), describes the four factors that can be manipulated in any cleaning scenario: **Temperature, Chemical Reaction, Time and Mechanical Action**. When the effectiveness of any factor is reduced, it must be compensated with the increase of one or multiple other factors. Washing dishes is an effective example of how the four factors interact. Hot water temperature is going to remove stuck on food better than cold. Adding soap (chemical reaction) makes the process even easier, and you can either soak a dish overnight (time) or scrub the dish clean (mechanical action). **GAMAJET** utilizes the "mechanical action" to its maximum benefit, resulting in a drastic reduction of the three remaining factors; time, chemical and temperature.

WHY USE GAMAJET'S PROVEN ROTARY IMPINGEMENT TANK CLEANING TECHNOLOGY?

GAMAJET's rotary impingement tank cleaning machines combine pressure and flow to create high impact cleaning jets. Cleaning occurs at the point in which the concentrated stream impacts the surface. It is this impact and the tangential force that radiates from that point which **blasts contaminants from the surface**, scouring the tank interior. In conjunction with this impact, the **GAMAJET** is engineered to rotate in a precise, **repeatable and reliable, 360-degree pattern** (seen right). This full-coverage, indexing pattern ensures the **entire tank interior is cleaned**, every time. This combination of impact in a controlled indexing manner results in an economic ideal, because impact is a one time investment; chemicals, temperature and time are continual, never-ending expenditures. With a short ROI, **GAMAJET's** Impingement Cleaning is guaranteed to positively impact the ultimate scorecard, your bottom line.



OVER 70 YEARS OF PROVIDING QUALITY PRODUCTS AND UNSURPASSED SERVICE.

TANK TYPES

IF YOU HAVE A TANK TO CLEAN, WE HAVE A WAY TO DO IT

Fermenters	Hot Wort Receivers
Mixing Tanks	Aerators
Storage Vessels	Filter Tanks
Brew Kettles	Columns
Mash Tanks	Propagation Tanks
Malt Facilities	Barrels
Exhaust Stacks	Totes and IBCs
	and more...

RESIDUES

NO SOIL IS TOO DIFFICULT FOR A GAMAJET

Tartrates	Creams
Lees	Hops
Dried Wine	Yeast
Residual Sugar	Malt
Protein	Beerstone

SUSTAINABILITY

THROUGH THE **TRIPLE BOTTOM LINE** - People, Planet, Profitability

PEOPLE

Gamajet machines allow for you to ensure the upmost safety is taken when cleaning tanks through the elimination of confined space entry, and the limiting of fall potential.

PLANET

Gamajet machines allow for you to obtain the sustainable goals designed to protect our world. Tank cleaning is typically the number one culprit in water wastage. Through tank cleaning optimization, customers experience water savings nearing 80% and energy savings averaging around 85%. As a result greenhouse emissions and the overall impact on our environment is significantly reduced. Many customers have obtained their company water savings goals through this simple implementation.

PROFIT - COMBINING GROWTH AND SUSTAINABILITY

Gamajet machines allow for significant savings of expenditures such as time, chemicals and other operating costs. In addition, the significant savings in time allows for an increase in production and a recovery in revenue resulting in an increased profit.

THE CLEANING POWER OF GAMAJET: WATCH VIDEOS AND LEARN MORE AT WWW.GAMAJET.COM

If you have a tank to clean, we have a way to do it!

Product Comparison Chart

Comprised of 316L Stainless Steel and FDA Compliant Materials

cleaning radius/ product	impact	pressure	flow	clearance	directional option	self cleaning and draining	cycle time
up to 2.5' (.75 m)	at 2.5' (.75 m)						
Gamajet EZ-7	5 lbs 2.5 kg	50-1500 psi 4-100 bar	2-8 gpm 8-30 lpm	1.50" 38 mm			2-5 min.
Gamajet All-in-One	5 lbs 2.5 kg	100-1000 psi 5-70 bar	3.5-6 gpm 13-23 lpm	1.75" 55 mm			2-5 min.
Gamajet All-in-One FLEX	5 lbs 2.5 kg	100-1000 psi 5-70 bar	3.5-6 gpm 13-23 lpm	1.75" 55 mm			2-5 min.
Gamajet HD-BB	5 lbs 2.5 kg	100-1000 psi 5-70 bar	3.5-6 gpm 13-23 lpm	1.75" 55 mm			2-5 min.
Intrepid	3 lbs 1.5 kg	10-80 psi 1-5 bar	5-25 gpm 20-95 lpm	2.80" 71 mm		☉	4-8 min.
Gamajet GentleJET	1 lbs .5 kg	60 psi 4 bar	6 gpm 20-25 lpm	1.75" 55 mm			1-2 min.
2.5'-10' (.75 m - 3 m)	at 5' (1.5 m)						
Gamajet VI or Aseptic VI	10 lbs 4.5 kg	10-700 psi 1-45 bar	5-40 gpm 20-150 lpm	2.80" 71 mm		☉	10-14 min.
Gamajet NanoJET	7 lbs 3 kg	20-200+ psi 2-14 bar	5-30 gpm 20-110 lpm	1.85" 47 mm		☉	4-20 min.
Gamajet AlphaFP	7 lbs 3 kg	50-100+ psi 4-7 bar	6-20 gpm 25-75 lpm	2" 50 mm			4-20 min.
	at 10' (3 m)						
Gamajet IX	12 lbs 5.5 kg	50-1000 psi 4-70 bar	3-30 gpm 15-110 lpm	2.80" 71 mm		☉	4-12 min.
Gamajet V	15 lbs 7 kg	50-1200 psi 4-80 bar	5-45 gpm 25-160 lpm	3.00" 76 mm	☉		8-11 min.
Gamajet Aseptic-1 (3-A)	10 lbs 4.5 kg	20-80 psi 1-5 bar	20-70 gpm 75-265 lpm	5.75" 146 mm		☉	3-6 min.
up to 100' (60 m)	at 25' (7.5 m)						
Gamajet PowerFLEX	25 lbs 11.5 kg	30-500 psi 3-35 bar	20-120 gpm 75-450 lpm	3.80" 97 mm		☉	8-20 min.
Gamajet X	25 lbs 11.5 kg	50-750 psi 4-50 bar	40-80 gpm 150-300 lpm	4" 102 mm			8-15 min.
Gamajet VIII	40 lbs 18 kg	20-1000 psi 2-70 bar	25-130 gpm 95-490 lpm	4.75" 121 mm	☉	☉	8-12 min.
Gamajet IV	85 lbs 39 kg	20-700 psi 2-45 bar	30-320 gpm 115-1210 lpm	6.7" 170 mm	☉	☉	10-25 min.

The average spray ball produces between .01 and .1 lbs (.005 and .05 kg) of force at any given distance

Highlighted Products Designed Specifically for the Wine, Brewing and Distilling Industry



Want an Effective and Economical Solution to Your CIP System? Gamajet manufactures a complete line of Mobile CIP systems for tank and vessel cleaning. These units are tailored to provide the most effective and efficient solution based on the user's application, beginning **inside the tank with the residue.** [See our MCIP Series to Learn More](#)

Customize your GAMAJET with a variety of options:

Inlet Connections

Tri-Clover
Female NPT
Camlock
R-Clip* *Only Available with Select Machines*

Seals and Bearings:

EPDM
Viton®
Kalrez®

Stator and Nozzle Sizes: Based on operating conditions for optimal performance.



GAMAJET®

The Tank Cleaning Experts.

GAMAJET Cleaning Systems, Inc.
604 Jeffers Circle, Exton, PA 19341
Phone: (610) 408-9940
Fax: (610) 408-9945
Toll Free: 1(877)-Gamajet
sales@Gamajet.com

Watch Videos and Learn More at WWW.GAMAJET.COM

©2012 Gamajet Cleaning Systems, Inc.
Specifications subject to change without notice.
Printed in the U.S.A.