



# GAMAJET<sup>®</sup>

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

Are your tanks **dirty**?  
Need an **effective** tank cleaner?  
Want to clean **faster and safer**?  
Tired of **sludge and contaminants**?  
Want a Solution?

GO WITH THE LEADER.

Fuel Storage Tank Cleaning



Clean Faster and Safer  
with **GAMAJET.**

- Clean the entire tank, every time
- Clean **85% faster**
- Use and recirculate **fuel as the wash fluid**
- Eliminate** confined space entry
- Remove sludge** and contaminants



### TANK TYPES

- 55 Gallon Drums
- DEF Systems
- Totes and IBCs
- Storage Tanks
- Refinery Tanks
- USTs
- ASTs
- Tankers

### RESIDUES

Fuel formulas are constantly changing resulting in problem causing residues such as:

- Sludge
- Particulates
- Algae
- Microbial Growth

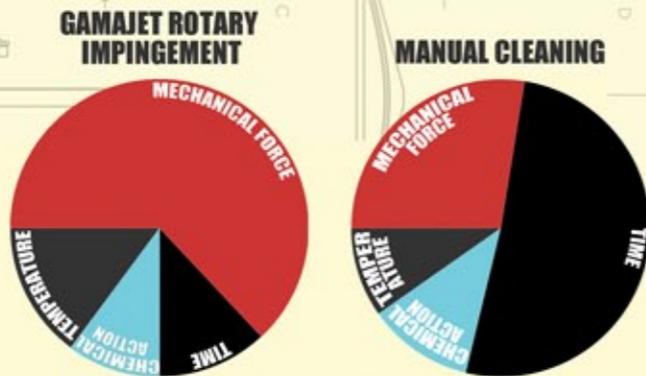
**CLEANING ALL TYPES OF TANKS  
FROM 55 GALLON DRUMS TO OIL REFINERY TANK**



**GAMAJET MANUFACTURES THE ONLY  
TANK CLEANING PRODUCTS THAT  
SATISFY ALL THE TANK CLEANING  
STANDARDS OF THE LEADING OIL  
COMPANIES, WORLD WIDE.**



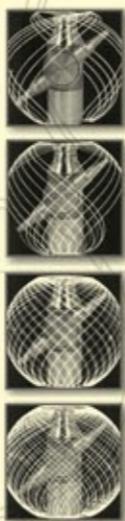
**THE FOUR PRIMARY FACTORS OF CLEANING**



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.**



**BEFORE**

**AFTER**



**ARE WE CLEANING THOROUGHLY?**

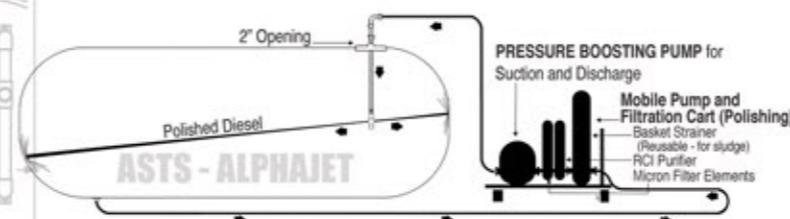
**ARE THE DANGERS OF CONFINED SPACE ENTRY, WORTH THE RISK?**

**CAN WE AFFORD TO LOOSE PRODUCT DUE TO POOR CLEANING?**



As the Tank Cleaning Experts, with over **70 YEARS OF EXPERIENCE**, **GAMAJET** Provides the Best Cleaning Solution For Your Application, Backed By Quality Service and Products

**SYSTEMS**



**PUMP CART**

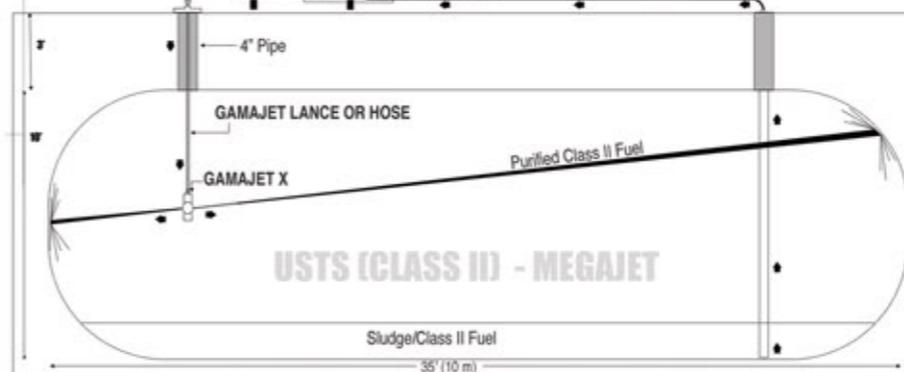
Pressure Boosting Pump for Suction and Discharge  
60-80 gpm (225-300 lpm)  
110-130 psi (8-9 bar)

**FILTRATION CART (POLISHING)**  
Basket Strainer (Reusable - for sludge)  
RCI Purifier  
Micron Filter Elements



**ALPHAJET**  
TANKS UNDER 1250 (4750 L)

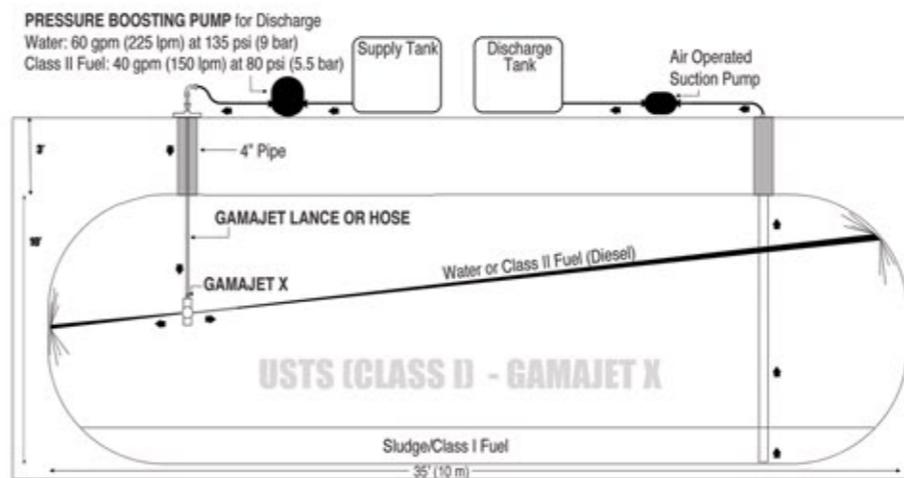
**MEGAJET**  
TANKS OVER 1250 (4750 L)



**Class II Fuel Tanks: Gamajet MegaJET and AlphaJET**

Class II fuel and sludge are suctioned from the tank through a hose or lance (not supplied with system) by the pressure boosting pump and passed through a series of filters to remove the sludge and particulates, producing a polished fuel which then continues through the pump and Gamajet AlphaFP or Gamajet X (depending on tank size), blasting residue from the tank surface in a precise global indexing pattern, creating a closed loop circuit.

**Cycle Time: 7-9 Minutes**



**PRESSURE BOOSTING PUMP for Discharge**  
Water: 60 gpm (225 lpm) at 135 psi (9 bar)  
Class II Fuel: 40 gpm (150 lpm) at 80 psi (5.5 bar)

**Class I Fuel Tanks: Gamajet X and a Pressure Boosting Pump**

Water or Diesel from the supply tank is pumped through the Gamajet X by the pressure boosting pump, blasting residue from the tank surface in a precise global indexing pattern. Meanwhile the air operated diaphragm pump suctiones the sludge, fuels and water through a hose or lance to a discharge tank for removal.

**Cycle Time: 7-9 Minutes**

**Average Total Effluent to Dispose of: 300-500 gallons**

**THE CLEANING POWER OF GAMAJET:** Watch videos and learn more at [WWW.GAMAJET.COM](http://WWW.GAMAJET.COM)

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

Comprised of 316L Stainless Steel and FDA Compliant Materials

## Product Comparison Chart

cleaning radius/ product	impact	pressure	flow	clearance	directional option	self cleaning and draining	cycle time																					
<b>up to 2.5' (.75 m)</b>	The average spray ball produces between .01 and .1 lbs (.005 and .05 kg) of force at any given distance																											
<b>at 2.5' (.75 m)</b>																												
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.														
Aseptic-2 (3-A)								3 lbs 1.5 kg	10-80 psi 1-5 bar	5-25 gpm 20-95 lpm	2.80" 71 mm		☉	4-8 min.														
<b>2.5'-10' (.75 m - 3 m)</b>								The average spray ball produces between .01 and .1 lbs (.005 and .05 kg) of force at any given distance																				
<b>at 5' (1.5 m)</b>																												
Gamajet 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.							
<b>at 10' (3 m)</b>															The average spray ball produces between .01 and .1 lbs (.005 and .05 kg) of force at any given distance													
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.
<b>up to 100' (60 m)</b>																						The average spray ball produces between .01 and .1 lbs (.005 and .05 kg) of force at any given distance						
<b>at 25' (7.5 m)</b>																												
Gamajet PowerFLEX																												
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.																					

\*Highlighted Products Were Specifically Designed for Fuel Storage Tanks

### Customize your **GAMAJET** with a variety of options:

#### Inlet Connections

Tri-Clover  
Female NPT  
Camlock  
R-Clip\*

\*R-Clip is Only Available with Select Machines

#### Seals and Bearings:

EPDM  
Viton®  
Kalrez®

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



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