

GAMAJET[®]

All-In-One
For cleaning and emptying
barrels from the top

CLEANING SYSTEMS, INC.

The new Gamajet All-In-One Cleaning Machine combines high performance impingement cleaning with integrated vacuum extraction, which now allows barrels to be easily **cleaned and emptied from the top**. Barrels no longer need to be moved or turned for cleaning.

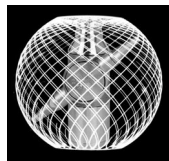
The All-In-One features the same impingement cleaning technology and performance as the widely recognized Gamajet E-Z7 Barrel Blaster. At the same time, the unit's integrated vacuum extractor removes the cleaning liquid and will even **remove the lees**. The lightweight, hand-held machine is designed for operation at flow rates as low as 3 gpm. And, unlike other machines, the unit **applies 100% of the water flow to cleaning** - not in powering the unit itself. With a **single insertion** of the easily handled unit, 100% cleaning effectiveness, along with complete liquid extraction, is assured.

As its name implies, the new All-In-One includes everything needed to easily **clean and empty barrels in-place and without the need for turning**. No other cleaning method provides the convenience, combined with the power and low flow capabilities of the Gamajet All-In-One.

- Clean from the top without turning
- Established high performance
- Fluid driven, no external motor
- Fast, low cost, reliable operation in the most demanding applications
- Integrated vacuum extractor
- Wash cycles of under 4 min.
- Single insertion cleaning
- Low flow rates
- Unmatched durability
- Can be used to remove the lees

OPERATING PARAMETERS

Material construction: 316 Stainless Steel
Nozzle sizes: range from .06 to .08 (1.5 - 2 mm)
Weight: 10.5 lbs. (4.76 kg)
Length: 36 3/4" (93.34 cm)
Min. entry opening: 1 3/4" (4.5 cm)
Inlet connection: 1/2" (1.27 cm)
Flow range: 3 - 8 gpm (11.35 - 30.28 lpm)
Pressure range: 100 - 1,000 psi (6.89 - 68.95 bar)
Temperature: Up to 190° F (87.78° C)
Wash cycle times: 2 minutes - 4 minutes
(delivers a thorough rinse in less than a minute)
Effective cleaning range of up to 5' (1.5 m)
Air requirements: 5 cfm @ 90 psi
Suction capabilities: 9 gpm (34.1 lpm)
@ 40 psi (2.75 bar)



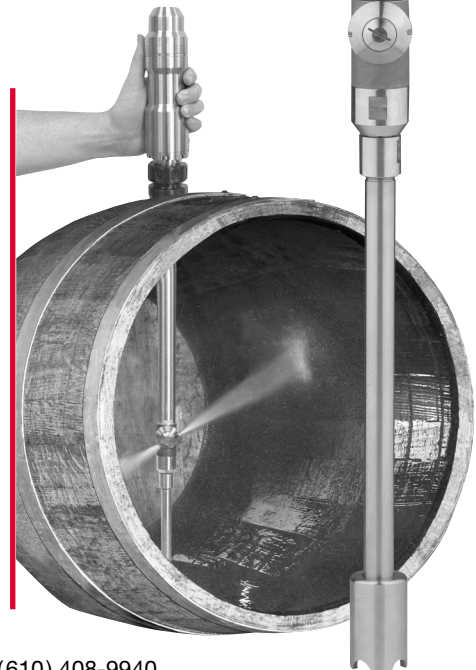
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GAMAJET CLEANING SYSTEMS, INC.

because your business depends on clean tanks



Gamajet All-In-One

- Inlet Connection:** 1/2" NPT-Female
- Construction - Design:** Parts are machined from 316-L Stainless Steel investment castings or bar stock.
- Impeller & Final Shaft:** For increased wear resistance, the input shaft is plasma-sprayed with a Chromium Oxide coating on Stainless Steel.
- Shaft & Gearbox Bushings:** Turbine shaft thrust is absorbed by a Tungsten carbide bushing. Gear bushings are carbon filled polyphenylene sulfide.
- Bearing Cups:** Main body castings are protected by replaceable 316-L Stainless Steel cups for extended frictional wear life.
- Static Seals:** O-Ring materials are selected for each application. EPDM is standard with Kalrez and Viton available. Other materials can be supplied on special order.
- Dynamic Seals and Bearings:** Rotary shaft and housing seals/bearings are spring-loaded, double-lipped and made of PTFE. They are reinforced for extra long wear and protection against leakage, abrasion and deposit build-up.
- Nozzles:** Standard nozzle sizes 0.060 (1.5 mm), 0.070 (1.7 mm) 0.075 (1.9 mm), 0.080 (2.0 mm). Other nozzle sizes are available upon request.
- Drive Mechanism:** The wash fluid enters the Gamajet at the inlet collar where it encounters and spins turbine blades. The turbine blades are attached to the top of the drive or rotor shaft. The bottom of this shaft is connected to the inside of a sealed, planetary gearhead which then turns the body in the horizontal plane and the nozzles in the vertical plane.
- Planetary Gearhead:** The *sealed* planetary gearhead has an external casing made of steel, surface-anodized to become stainless. This sealed gearhead is located inside the gearbox, which itself is sealed, and thus does not require any lubricant. All internal gearhead parts are hardened sintered steel.
- Lubricant:** Food grade grease is *inside* the sealed gearhead casing. No customer-supplied or user-maintained lubricant is needed.
- Operating & Maintenance:** Complete operating and maintenance procedures are covered in a detailed instruction manual furnished with all machines. Ready availability of spare parts or kits, and ease of on-site maintenance minimizes the need for repairs. Prompt factory overhaul or repair service is always available. Replacement parts are stocked year round. Special 24-48 hour delivery available upon request at no extra charge.
- Warranty:** Gamajets are warranted for eighteen months from the date of shipment against any defects in workmanship or materials. Normal maintenance parts such as O-rings, bearings, bushings, and seals are not included under this warranty, nor is damage caused by dropping, use of destructively corrosive fluids, or other abuse. This warranty shall not apply to any malfunction resulting from use of non-Gamajet replacement parts purchased from any source other than Gamajet or an authorized Gamajet distributor.
For full details, see Gamajet "Terms and Conditions of Sale".

