

GAMAJET[®]

Gamajet X Product Data



CLEANING SYSTEMS, INC.

This is the Way to Clean Underground Fuel Storage Tanks Quickly and Profitably

The Gamajet X is the first, and only, cleaning machine capable of getting **100% of residual fuel, dirt and sludge out of underground storage tanks.**

Designed to fit through standard UST inlets, the new lightweight unit is fluid driven and requires no external power supply to clean any size storage tank. Its powerful 360 degree rotary jets blast away contaminants and **break up dirt and sludge** that can be conveniently vacuumed away. The X is the only machine small enough to fit into USTs, yet with enough power to clean 100% of the interior. It easily puts the contaminant-laden sludge into solution which allows for **complete liquid extraction and thorough tank cleaning.**

Using a Gamajet X spinner you can quickly clean the tanks and have them ready to accommodate the next load without the risk of contamination.

- **Sized to fit through standard UST inlets**
- **Works with your existing equipment**
- **Powerful rotating cleaning jets**
- **Breaks up sludge**
- **Removes all contaminants**
- **The only effective way to clean**
- **Adjustable adapter lance provides accurate unit placement within the tank**

Powerful rotating jets scour away dirt and cut through built up sludge for easy extraction.



The Gamajet X is the only way to put effective 360° rotary impingement power inside your USTs for complete cleaning.

By using the adjustable lance, the Gamajet X is easily handled for proper insertion within the tank.

Operating Range:

- **Pressure:** 50 to 750+ PSI (3.5 to 50.0+ kg/cm²)
- **Temperature:** 32° to 250°F (0° to 121° C)
- **Flow Rate:** 40 to 80+ GPM
- **Wash Cycle Time:** 15 minutes

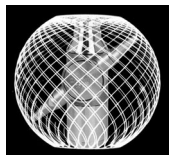
Dimensions:

- **Height:** 10.75" (27.37 cm)
- **Body Diameter:** 2.38" (6.7 cm)
- **Clearance:** 4" (10.16 cm) minimum passageway I.D.
- **Weight:** 9.5 pounds (4.31 kg)

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- Inlet Connection:** 1 ½" NPT-Female.
- Construction - Design:** Parts are machined from 316-L Stainless Steel investment castings or bar stock.
- Impeller & Final Shafts:** For increased wear resistance, the rotor shaft is plasma-sprayed with a Chromium Oxide coating on Stainless Steel.
- Shaft & Gearbox Bushings:** Rotor shaft thrust is absorbed by a Tungsten carbide bushing. Gearbox bushings are also Tungsten carbide.
- Bearings:** Bearings in the rotating tee and nozzle housings are self-lubricating, carbon-fiber-reinforced 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. Viton is standard with Kalrez and EPDM available. Other materials can be supplied on special order.
- Dynamic Seals:** Dynamic shaft seals are spring-loaded, double-lipped and made of PTFE. They are reinforced with carbon fiber for extra long wear and protection against leakage, abrasion and deposit build-up.
- Nozzles:** Dual 0.250" (6.35 mm), 0.312" (7.92 mm) and 0.375" (9.52 mm) orifice diameters.
Other nozzle sizes available upon request.
- Drive Mechanism:** The wash fluid enters the Gamajet at the inlet collar where it encounters and spins rotor blades. The rotor blades are attached to the top of the 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 increase corrosion resistance. This sealed gearhead is located inside the gearbox, which itself is sealed, and thus does not require any lubricant. All internal parts are hardened sintered steel, the end caps and the output shaft are stainless steel.
- Lubricant:** A 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, or twelve months from date of installation, against any defects in workmanship or materials. Normal wear 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".



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