

NANOJET

The first fluid driven rotary impingement tank cleaner to fit through a 2" tri-clover connection

The NanoJet is a revolutionary rotary impingement cleaner, small enough to fit through a 2" tri-clover inlet connection. This machine is capable of both portable and permanent installation. The NanoJet's sanitary design, makes it ideal for cleaning small tanks with sanitary requirements such as food, beverage, pharmaceutical, personal care and nutraceutical applications.

Although small in clearance, this machine is highly durable and powerful, cleaning tanks up to 10' in diameter.

- Designed for Permanent or Portable Installation
- 1.87" Clearance (2" TriClover)
- Fluid-driven, No External Motors
- Fast Reliable Operation
- Validatable Pattern
- Sanitary in Design (No Catch Areas for Product or Cleaning Solutions)
- Standard Tools Required For Maintenance
- Made in the USA



Shown with Optional and Customizable Triclover Adaptor

Operating Range:

Pressure: 20-300 PSI (1.38-20.68 Bar)

Temperature: 0 to 200 F (0 to 93 C)

Can be sanitized with steam at temperatures up to 300 F (148.9 C)

Flow Rate: 5 to 30 gpm (19 to 114 lpm)

Wash Cycle Time: 4-20 Minutes

Cleaning Impact Range: Up to 5' Radius (1.5m)

Dimensions:

Height: 20" (50.8cm) (Custom lengths available)

Body Diameter (With Nozzle Carrier): 1.822" (4.628cm)

Clearance: 1.97" (5cm)

Weight: 5.5lbs (2.495kg)



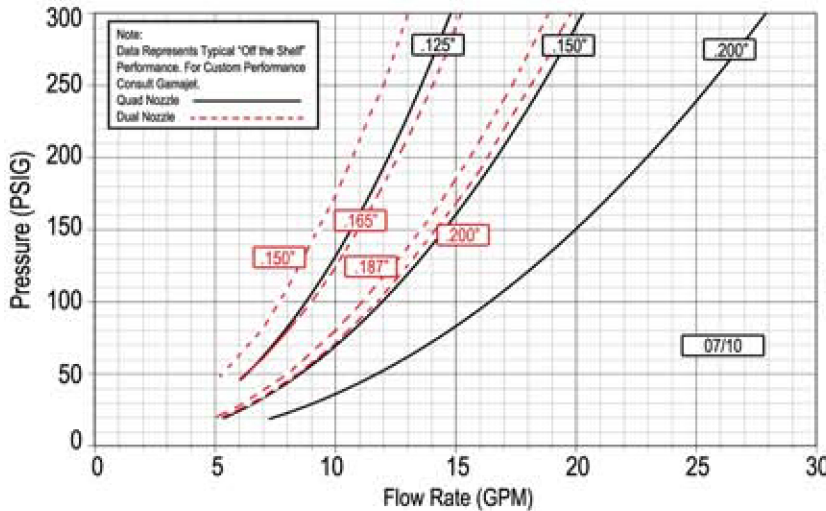
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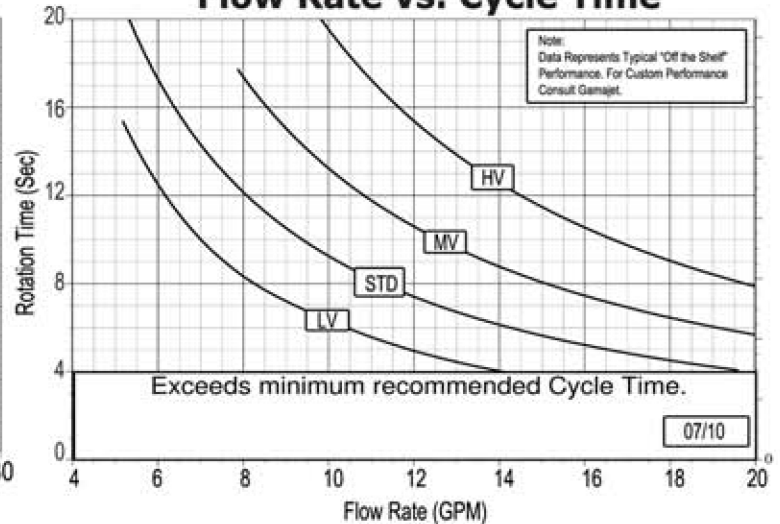
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**Gamajet NanoJet
Pressure vs. Flow Rate**



**Gamajet NanoJet
Flow Rate vs. Cycle Time**



Inlet Connection:	Inlet Connection: 0.75" NPT-Female, 1.25" Camlock plug, 1" or 1.5" Tri-clover
Construction:	Parts are machined from 316-L Stainless Steel investment castings or bar stock. For increased wear resistance, the input shaft is plasma-sprayed with a Chromium Oxide coating on Stainless Steel.
O-Rings:	O-Ring materials are selected for each application. EPDM is standard with Kalrez and Viton available. Other materials can be supplied on special order.
Bearings:	Rotary shaft and housing seals/bearings are spring-loaded, double-lipped and made of PTFE & PPS. They are reinforced for extra long wear and protection against leakage, abrasion and deposit build-up.
Nozzle Carrier:	Nozzle sizes from 0.100" (2.54 mm) to 0.200" (5.08 mm)
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, robust 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.
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".



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