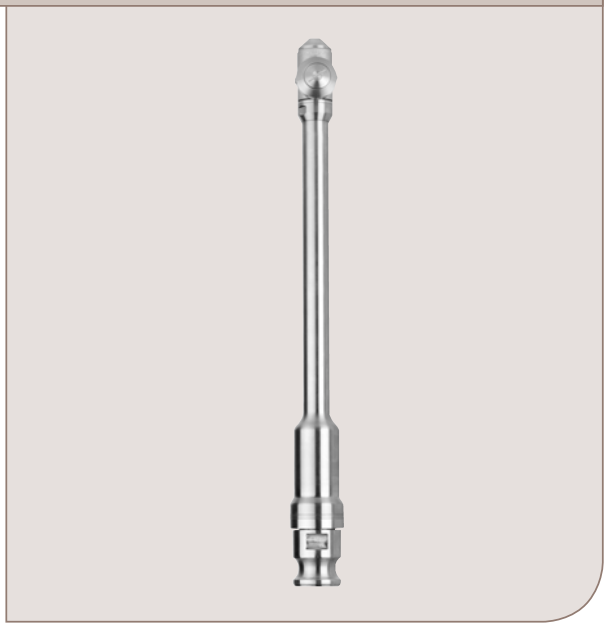
First choice for cleaning small fuel storage tanks

Alfa Laval Gamajet 9.2



Application
The Alfa Laval Gamajet 9.2 tank cleaning device fits through a 50 mm (2") opening and is capable of cleaning above- and below-ground fuel storage tanks with capacities up to 4,750 l (1,250 gallons). This device blasts away contaminants and breaks up dirt and sludge in minutes. Diesel fuel can be used as the cleaning agent, which saves time and mitigates contamination and waste disposal.

Working principle
The Alfa Laval Gamajet 9.2 tank cleaning device combines pressure and flow to create high impact cleaning jets. Cleaning occurs at the point at 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 device is engineered to rotate in a precise, repeatable and reliable, 360° pattern. This full-coverage, global indexing pattern ensures the entire tank interior is cleaned, every time.

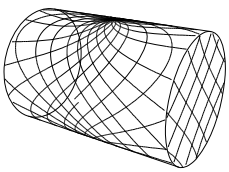
TECHNICAL DATA

Lubricant	Food grade
Max. throw length	1.2 - 6 m (4 - 20 ft.)

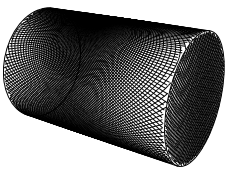
Pressure

Working pressure	2 - 14 bar (30 - 200 PSI)
Recommended pressure	4 - 10 bar (60 - 150 PSI)

Cleaning Pattern



First Cycle



Full Pattern

The above drawings show the cleaning pattern achieved on a cylindrical horizontal vessel. The difference between the first cycle and the full pattern represents the number of additional cycles available to increase the density of the cleaning.

Certificate
2.1 material certificate

PHYSICAL DATA

Materials
1.4404 (316L), PPS, PTFE, FKM (EPDM and FFKM available)

Temperature

Max. working temperature	95°C (203°F)
Max. ambient temperature	140°C (284°F)

Weight 2.5 kg (5.5 lbs.)

Connections

Standard thread	¾" FNPT, ¾" BSP
Available option	1.5" TC, 1.5" tube weld

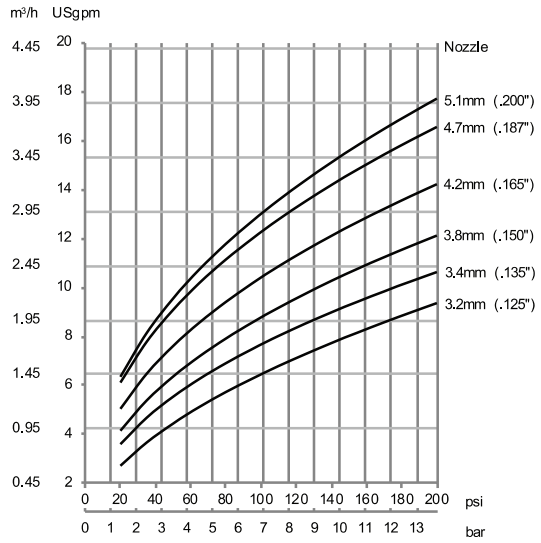
Options
Electronic rotation sensor to verify 3D coverage.

Caution
Do not use for gas evacuation or air dispersion.

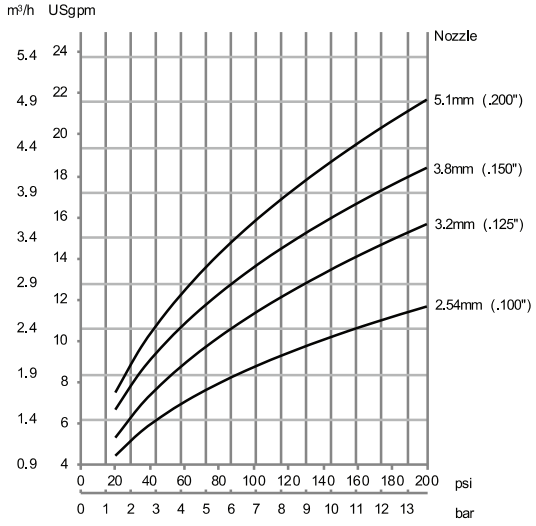
CE

Disclaimer: Information in this product data leaflet is intended for general guidance purposes. Specific data for device selection and sizing is available upon request.

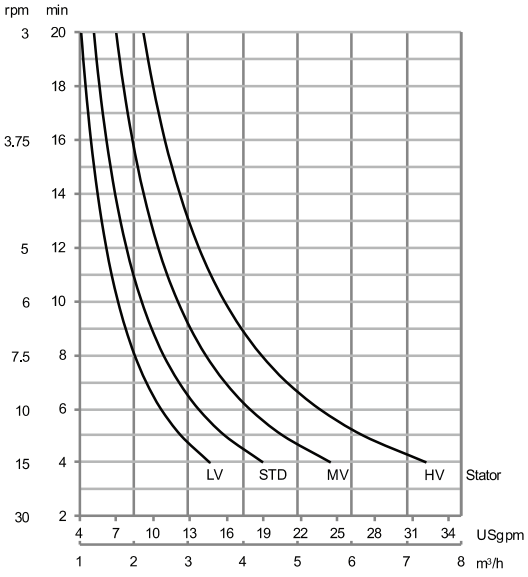
Flow Rate (2 nozzle)



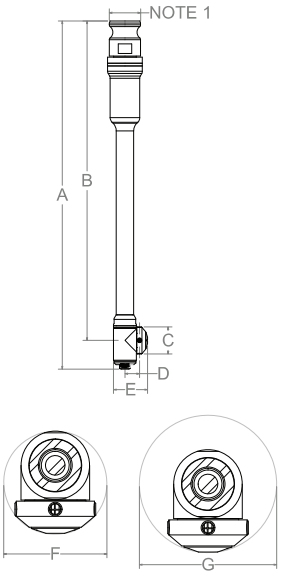
Flow Rate (4 nozzle)



Cleaning Time



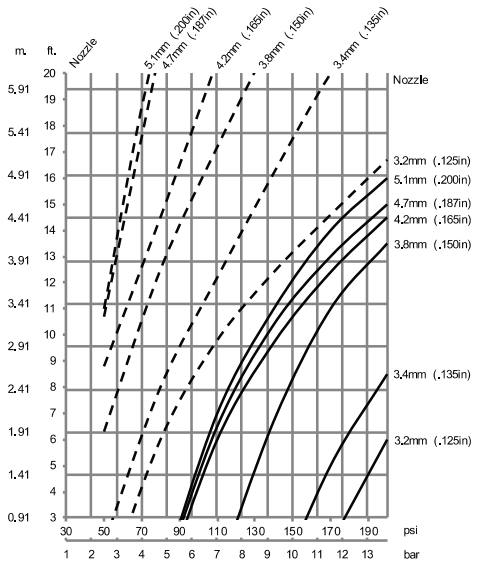
Dimensions



Dimensions

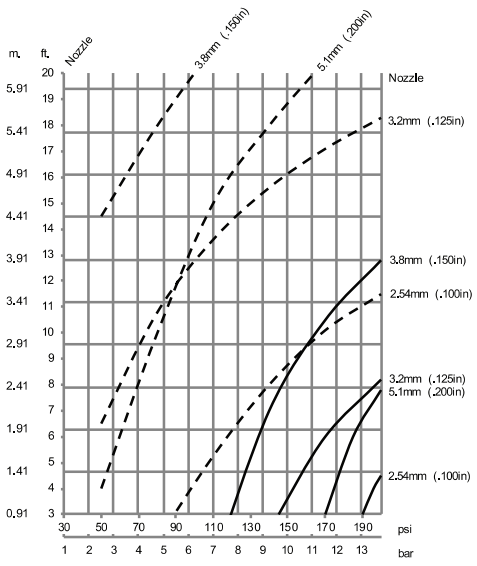
	A	B	C	D	E	F	G
mm	508	466	39	21	50	50	67
in	20	18.3	1.5	0.8	2	2	2.6
NOTE 1: 3/4" FNPT/1-1/4" CAMLOCK OR 1-1/2" Tri-Clamp							

Impact Throw Length (2 nozzle)



Inlet pressure

Impact Throw Length (4 nozzle)



Inlet pressure
- - - Wetting, — Impact

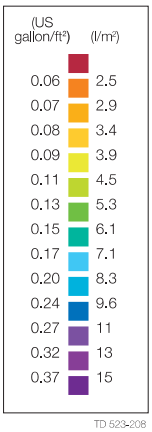
Standard Design

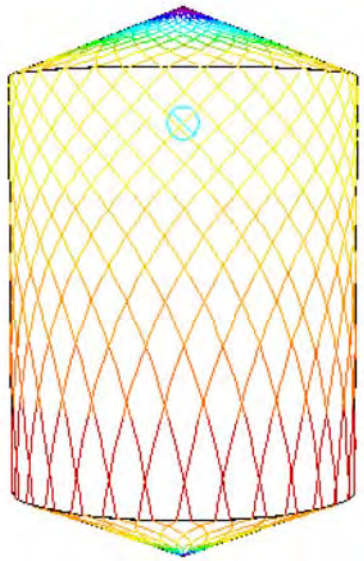
The choice of nozzle diameters can optimize jet impact length and flow rate at the desired pressure. As standard documentation, the Alfa Laval Gamajet 9.2 can be supplied with a “Declaration of Conformity” for material specifications.

TRAX simulation tool

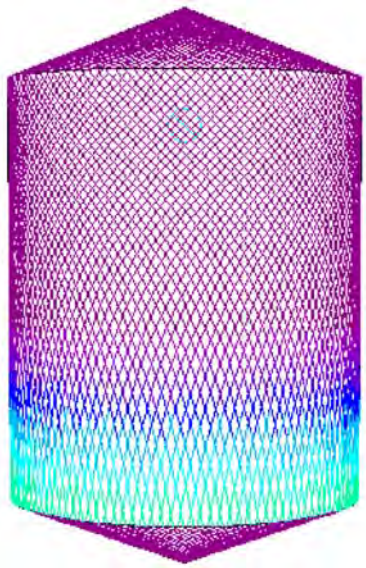
TRAX is a unique software that simulates how the Alfa Laval Gamajet 9.2 performs in a specific tank or vessel. The simulation gives information on wetting intensity, pattern mesh width and cleaning jet velocity. This information is used to determine the best location of the tank cleaning device and the correct combination of flow, time, and pressure to implement.
A TRAX demo containing different cleaning simulations covering a variety of applications can be used as a reference and documentation for tank cleaning applications. The TRAX demo is free and available upon request.

Wetting Intensity





D2.7m (105”), H4.3m (170”), 2xØ3.81mm (2xØ3/20”) Time = 3.125 min.



D2.7m (105”), H4.3m (170”), 2xØ3.81mm (2xØ3/20”) Time = 12.5 min.

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