



Alfa Laval GJ18

Superior tank cleaning for industrial environments

Application

The Alfa Laval GJ 18 is part of the Alfa Laval range of high impact tank cleaning devices designed specifically for tough industrial applications such as: chemical, pulp and paper, steel, starch and tank truck wash. GJ 18 provides high impact cleaning for large sized tanks and is designed to clean tough debris and residues. The design will hold up to demanding applications that use high concentrations of chemicals in the wash fluid and high temperatures. The new patented gear design will last multiple times longer than other large industrial tank cleaning machines.

Working principle

The Alfa Laval GJ range of high impact tank cleaning devices combine 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.



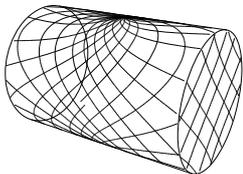
TECHNICAL DATA

Lubricant Food grade
 Max. throw length 100 ft.

Pressure

Working pressure 45 - 300 PSI
 Recommended pressure 50 - 200 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.

PHYSICAL DATA

Materials

1.4404 (316L), PPS, FKM (FFKM available)

Temperature

Max. working temperature 203°F

Max. ambient temperature 284°F

Weight

. 26 lbs.

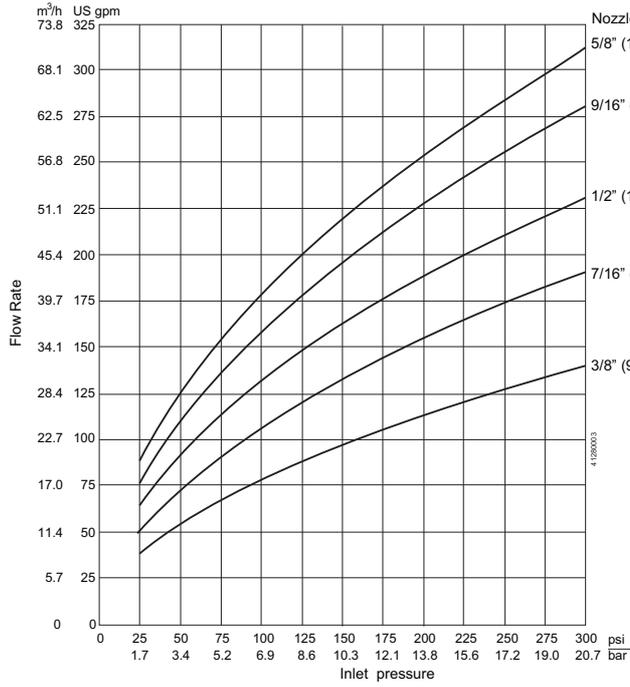
Connections

Standard thread 2½" NPT, 2½" BSP

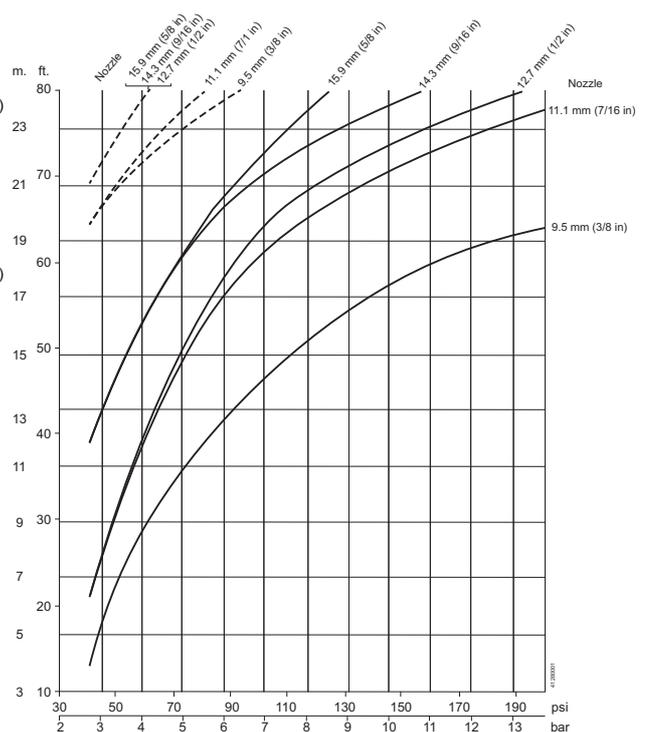
Caution

Avoid hydraulic shock, hard and abrasive particles in the cleaning liquid, as this can cause increased wear and/or damage of internal mechanisms. In general, a filter in the supply line is recommended. Do not use for gas evacuation or air dispersion. For steaming we refer to the manual.

Pressure vs. Flow Rate

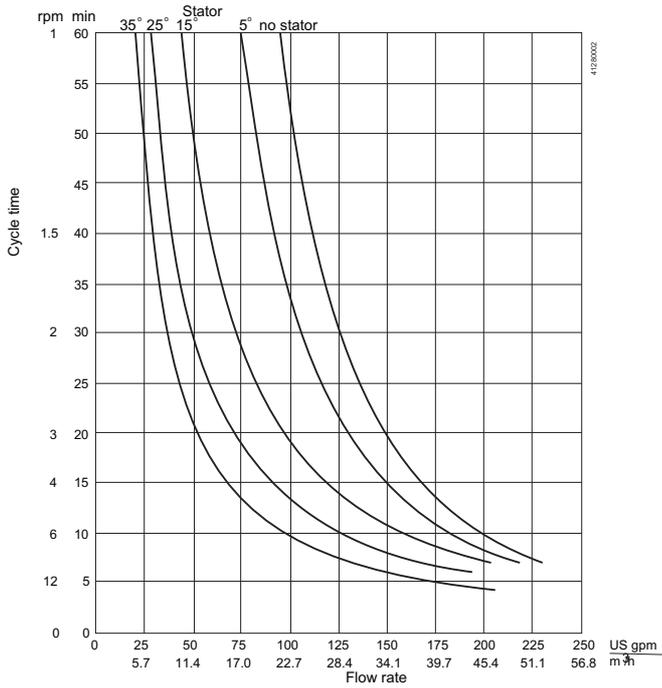


Impact Data and Flow

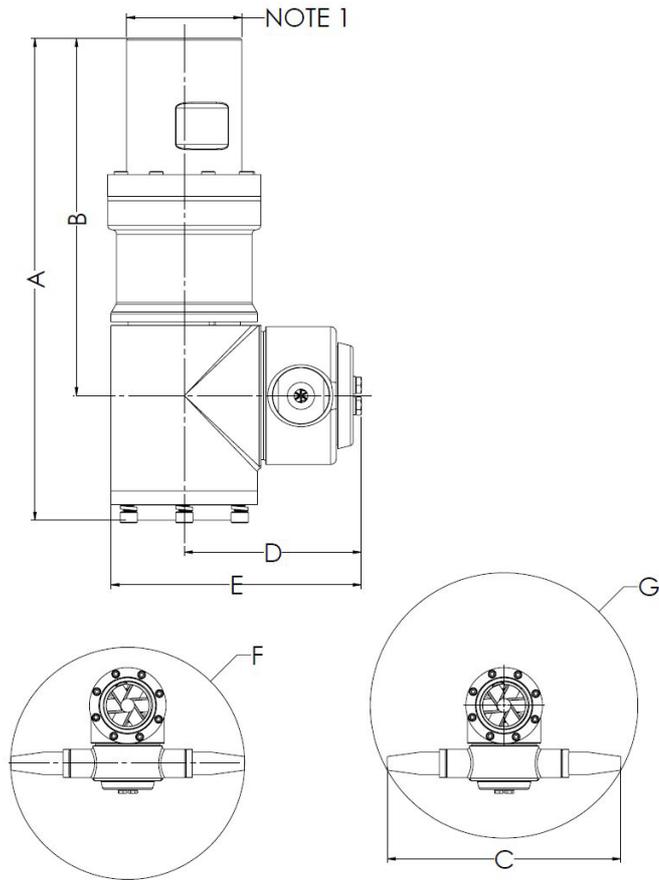


Inlet pressure
 - - - : Wetting
 — : Impact cleaning

Flow Rate vs, Cycle Time



Dimensions



	A	B	C	D	E	F	G
in	13.27	9.84	12.76	4.84	6.84	12.78	14.61
mm	337	250	324	123	174	325	371

NOTE 1: 2½" NPT, 2½" BSP

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 GJ 18 can be supplied with a “Declaration of Conformity” for material specifications.

Alfa Laval reserves the right to change specifications without prior notification.

How to contact Alfa Laval

Contact details for all countries are continually updated on our website. Please visit www.alfalaval.us to access the information direct.