

Alfa Laval GJ A2

Rotary jet heads

Introduction

The Alfa Laval GJ A2 is a rotary jet head tank cleaning machine for use in hygienic environments. Built to clean tanks from 0.5-1.5 m³ it combines pressure and flow to create high-impact cleaning jets that rotate in a repeatable and reliable 360-degree cleaning pattern.

The GJ A2 minimizes the consumption of water and cleaning media. Easy to customize to meet customer requirements, it allows companies to spend less time cleaning and more time producing.

Applications

The Alfa Laval GJ A2 is designed for the removal of residues from hygienic tanks across a broad range of industries, such as the dairy, brewery, beverage, food, and personal care industries.

Due to its slim design, the Alfa Laval GJ A2 is ideal to retrofit spray balls, thereby reducing Cleaning-in-Place (CIP) costs and cleaning time.

Benefits

- 60% faster cleaning = more time for production
- Saves up to 70% of your cleaning cost
- High-impact cleaning in a 360° repeatable cleaning pattern
- Cleaning process can be validated using Alfa Laval Rotacheck
- Slim design makes it possible to insert through small tank inlet openings

Standard design

The choice of nozzle diameters can optimize jet impact length and flow rate at the desired pressure.

Certificate

2.1 material certificate

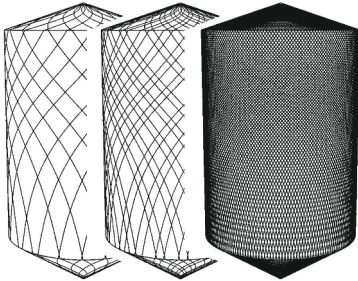


Working principle

The high-impact jet stream from the rotary jet head covers the entire surface 360° of the tank interior in a successively denser pattern. This achieves a powerful mechanical impact with a low volume of water and cleaning media.

The flow of the cleaning fluid makes the nozzles perform a geared rotation around the vertical and horizontal axes. In the first cycle, the nozzles lay out a course pattern on the tank surface. The subsequent cycles gradually make the pattern denser until at full cleaning pattern is reached.

Once the full cleaning pattern is reached, the machine will start over again and continue to perform the next full cleaning pattern.



TECHNICAL DATA

Lubricant:	Self-lubricating
Max. throw length:	4 - 5 m

Pressure

Working pressure:	2.75 - 14 bar
Recommended pressure:	4 - 10 bar

PHYSICAL DATA

Materials

316L, PPS¹, PTFE¹, EPDM¹ (FKM¹ and FFKM¹)

¹ FDA compliance 21CFR§177

Temperature

Max. working temperature:	95 °C
Max. ambient temperature:	140 °C

Weight

Weight:	2.26 kg
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Finish

Surface finish:	Ra 0.8 µm
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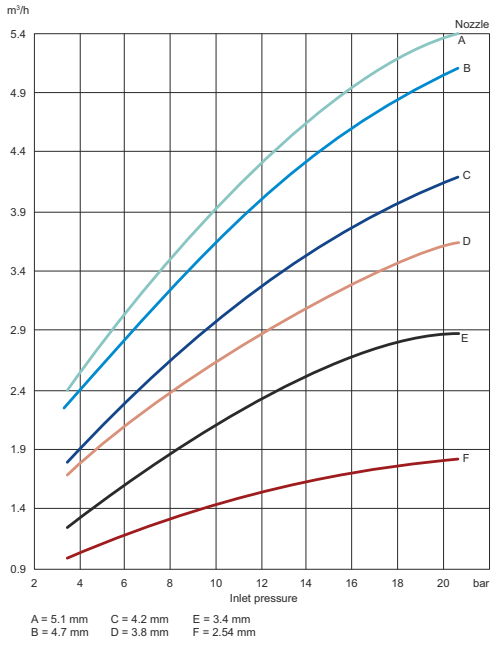
Connections

Standard thread:	1" ISO 2852 Clamp 3/4" NPT Female Thread
Available option:	3/4" Rp Female Thread ODØ38,1/1½" ISO 2037 Weld-on

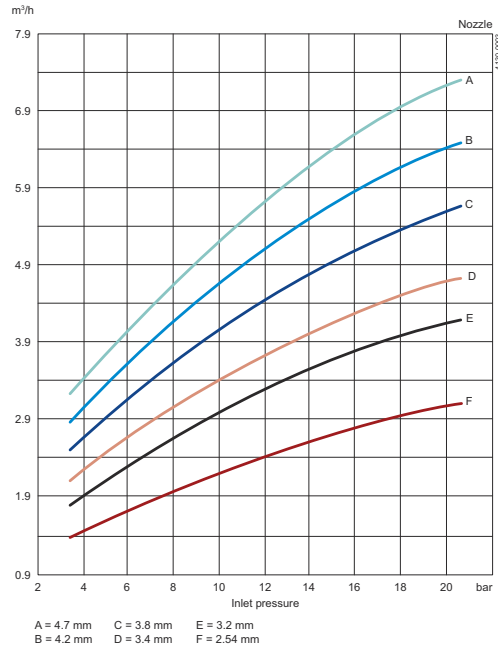
Caution

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.

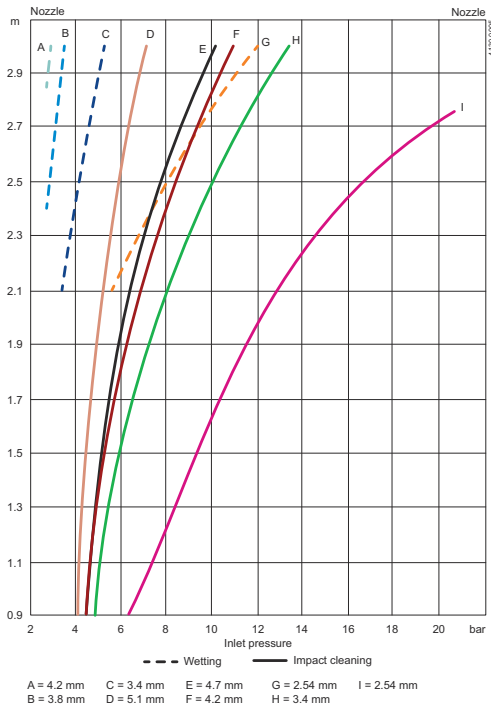
Flow Rate (2 nozzle)



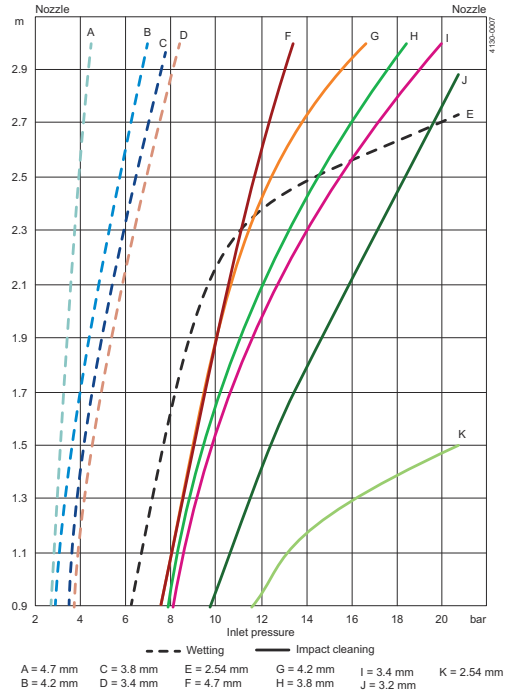
Flow Rate (4 nozzle)



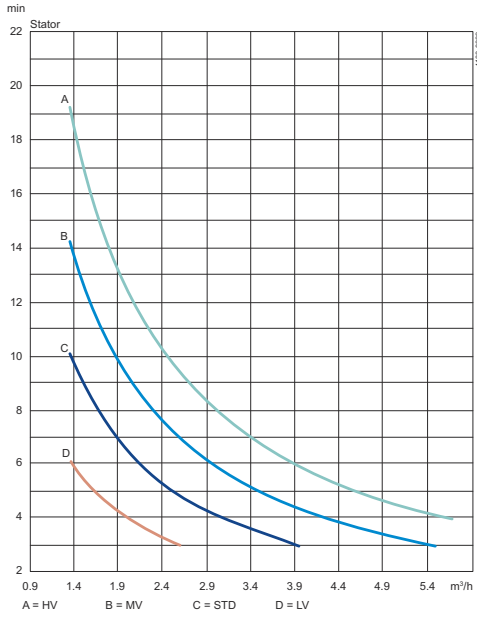
Impact Throw Length (2 nozzle)



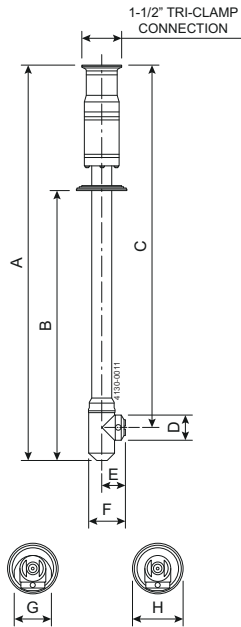
Impact Throw Length (4 nozzle)



Cleaning Time



Dimensions (mm)



A	B	C	D	E	F	G	H
503	343	431	31	30	47	47	61

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