Fast, Effective Impact Cleaning

Alfa Laval TJ TZ-67 Rotary Jet Head - Portable

Application

The Toftejorg TZ-67 rotary jet head provides 3D indexed impact cleaning over a defined time period. It is automatic and represents a guaranteed means of achieving quality assurance in tank cleaning. The device is suitable for processing, storage and transportation tanks and vessels between 50 and 500 m^3. Used in breweries, food and dairy processes and many other industries, the Toftejorg TZ-67 is particularly well-suited to portable applications where high impact is required.

Working principle

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 coarse pattern on the tank surface. The subsequent cycles gradually make the pattern more dense, until a full pattern is reached after 8 cycles.

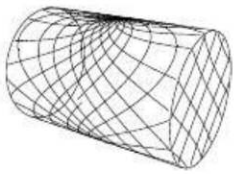
TECHNICAL DATA

Lubricant: . . . . . Self-lubricating with the cleaning fluid
Standard Surface finish: . . . . . Ra 0.5µm exterior
Max. throw length: . . . . . 7 - 17 m
Impact throw length: . . . . . 4 - 10 m

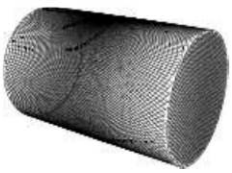
Pressure

Working pressure: . . . . . 3 - 12 bar
Recommended pressure: . . . . 5 - 6.5 bar

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.

Certificates

2.1 material certificate and ATEX.

PHYSICAL DATA

Materials

316L (UNS S31603), PTFE, PVDF, PEEK, ETFE, TFM

Temperature

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

Weight: . . . . . 6 kg

Connections

Standard thread: . . . . . 1 1/2" Rp (BSP) or NPT, male

Options

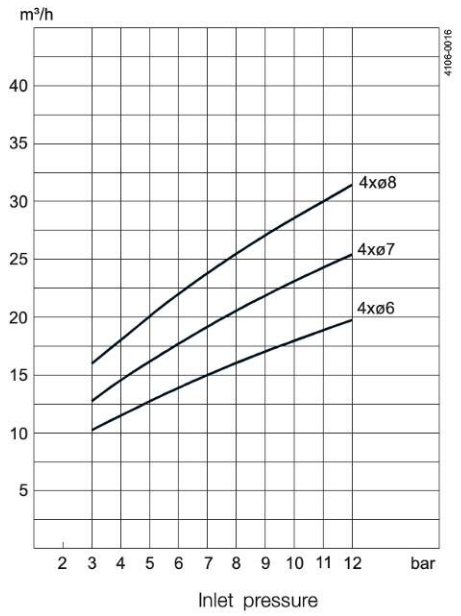
- Electronic rotation sensor to verify 3D coverage
- Hose saddle, deck cover plate, hose winch, hose, etc. are available.

Caution

Do not use for gas evacuation or air dispersion.

Flow Rate

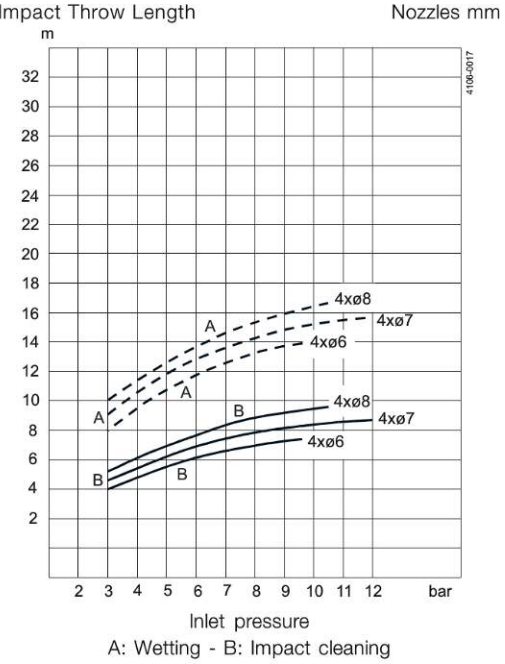
Nozzles mm



Flow rate

Impact Throw Length

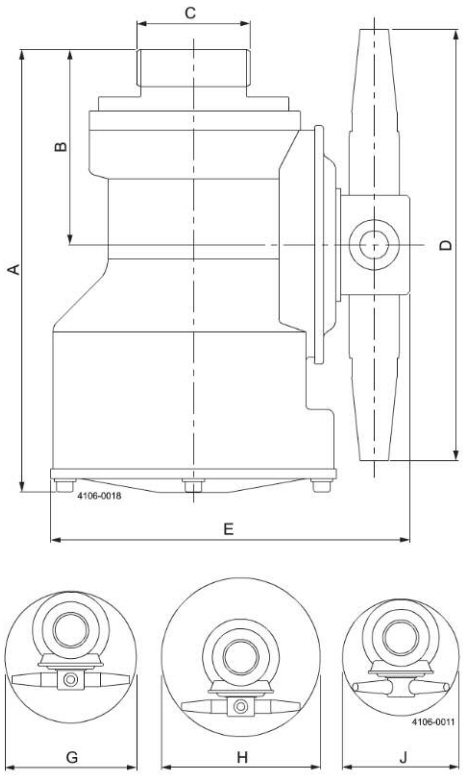
Nozzles mm



Throw length

A: Wetting - B: Impact cleaning

Dimensions (mm)

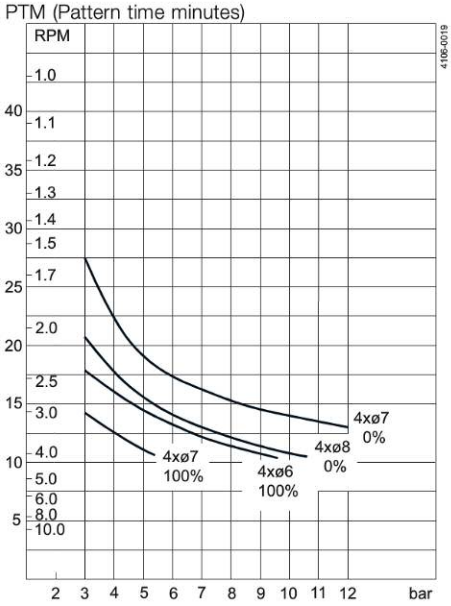


Cleaning Time, Complete Pattern

Min. RPM of machine body

Nozzles mm

PTM (Pattern time minutes)



Inlet pressure

A	B	C	D	E	G	H	J
186	82	1½" BSP / 1½" NPT	204	152	ø216	ø264	ø180