



Fast, Effective Impact Cleaning

Toftejorg MultiJet 40 Rotary Jet Head

PD 66410 GB1 2003-08

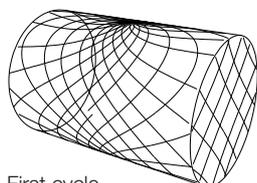
Application

The Toftejorg MultiJet 40 rotary jet head provides 360° indexed impact cleaning over a defined time period. It is ideal for applications where cost-effective impact cleaning with rotary jet heads is needed, but where compliance with hygienic design standards is not a requirement. The device is suitable for process, storage and transportation tanks between 50 and 500 m³ (13,000 to 130,000 US gallons). It is designed to work under conditions where fibres, finer particles, etc. in the cleaning media may be re-circulated through the machine.

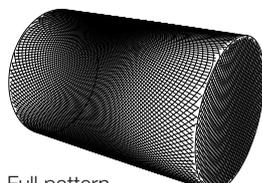
Working Principle

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 following cycles make the pattern gradually more dense, until a full pattern is reached after 8 cycles.

Cleaning Pattern



First cycle



Full pattern

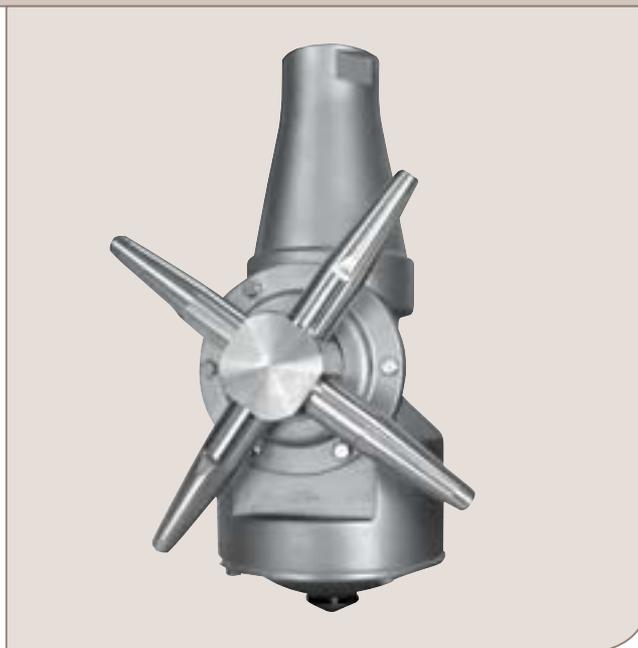
The above drawings show the cleaning pattern achieved on a cylindrical horizontal vessel. The difference between the first cycle and the full pattern represents the number of additional cycles available to increase the density of the cleaning.

Standard Design

The choice of nozzle diameters can optimise jet impact length and flow rate at the desired pressure. As standard documentation, the Toftejorg MultiJet 40 can be supplied with a "Declaration of Conformity" for material specifications.

Materials

1.4404 (316L), 1.4401 (316), PTFE, PEEK, Tefzel, VITON, TFM



Technical Data

Surface finish:	External glass blasted Internal cast
Weight:	6.1 kg (13 lbs)
Lubricant:	Self-lubricating with the cleaning fluid
Working pressure:	3 - 12 bar (44 - 174 psi)
Recommended pressure:	3 - 8 bar (44 - 116 psi)
Max. working temperature:	95 °C (203 °F)
Max. ambient temperature:	140 °C (284 °F)
Max. throw length:	8 - 17 m (26 - 56 ft)
Impact throw length:	4 - 10 m (13 - 32 ft)
Standard thread:	1/2" BSP or NPT, female

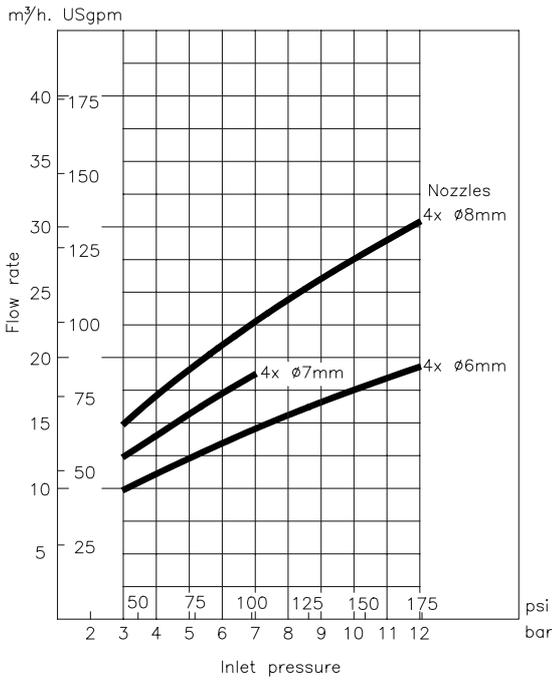
Ordering

Please specify nozzle size, inlet/guide configuration and connections and confirm application suitability.

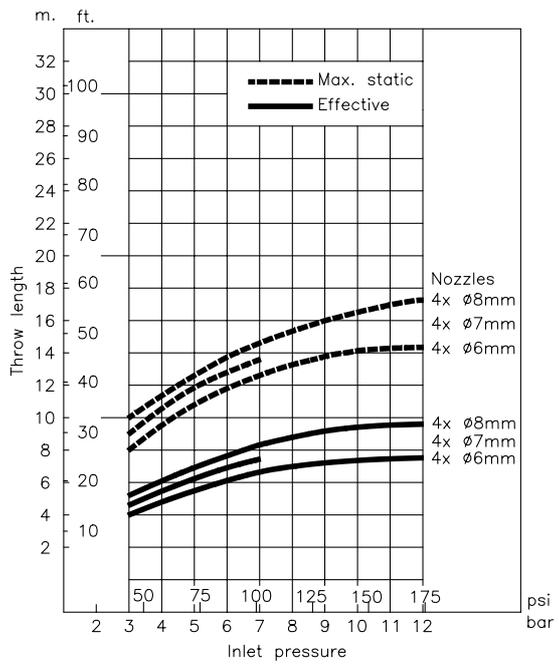
Options

- Electronic rotation sensor to verify 360° coverage
- Downpipe supporting flange

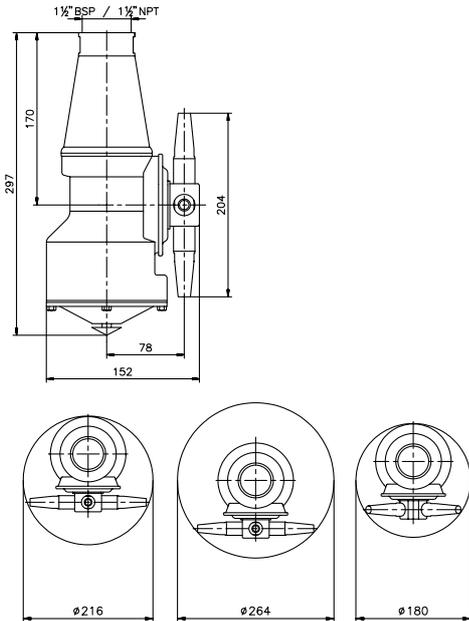
Flow Rate



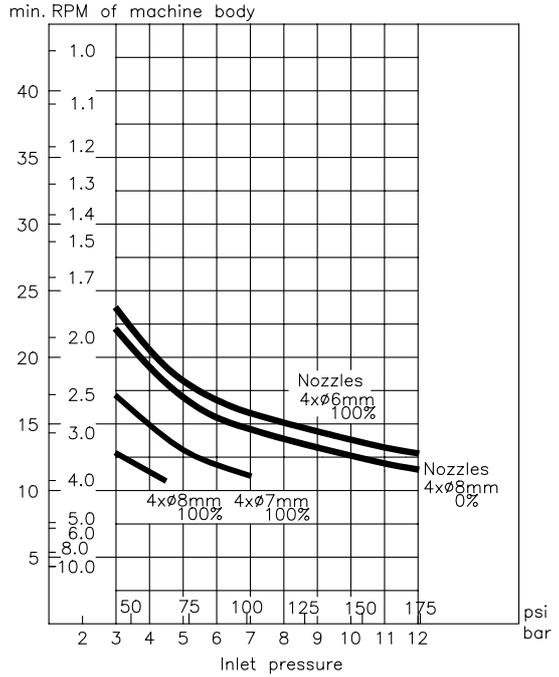
Impact Throw Length



Dimensions (mm)



Cleaning Time, Complete Pattern



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The information contained herein is correct at the time of issue, but may be subject to change without prior notice.

How to contact Alfa Laval

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