



## Fast, effective Impact Cleaning

### Toftejorg TZ-79 Rotary Jet Head

PD 66411 GB1 2003-08

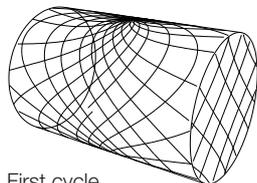
#### Application

The Toftejorg TZ-79 rotary jet head provides 360° 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 250 and 1.250 m<sup>3</sup> (66.000 to 328.000 US gallons). Used in breweries, food and dairy processes and many other industries.

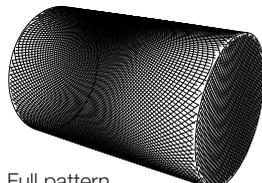
#### Working Principle

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.

#### 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 TZ-79 can be supplied with a "Declaration of Conformity" for material specifications.

#### Materials

1.4404 (316L), 1.4401 (316), PTFE, PVDF, PEEK, Carbon, Tefzel, TFM



#### Technical Data

Weight:	12.2 kg (27 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:	9 - 29 m (29 - 95 ft)
Impact throw length:	5 - 15 m (16 - 49 ft)
Standard thread:	2" BSP or NPT, female

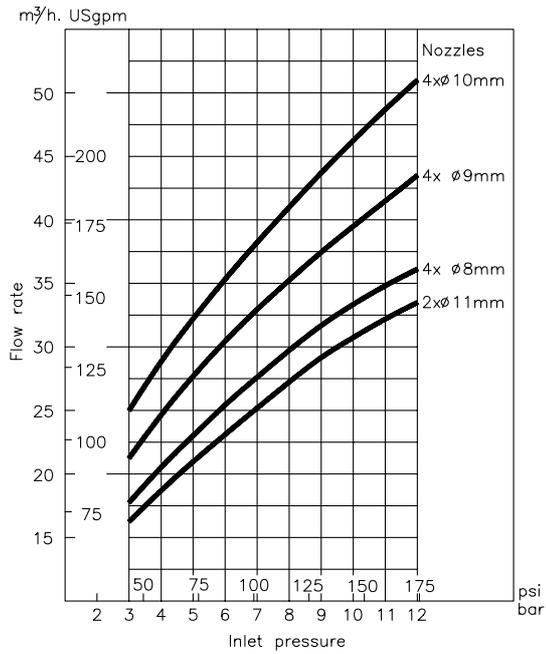
#### Ordering

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

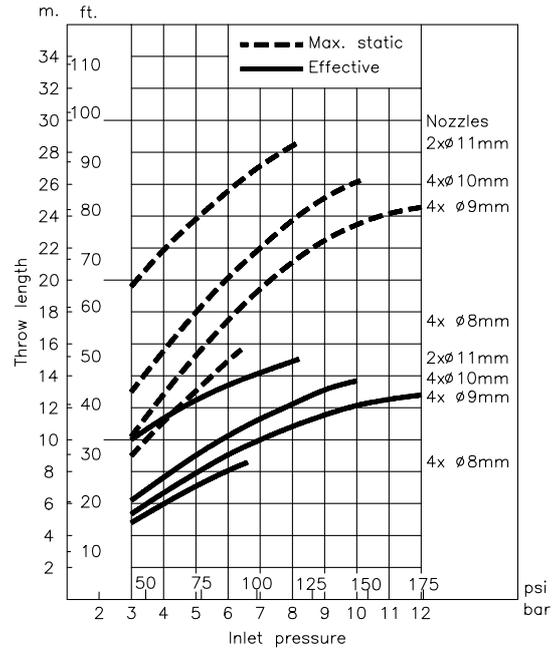
#### Options

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

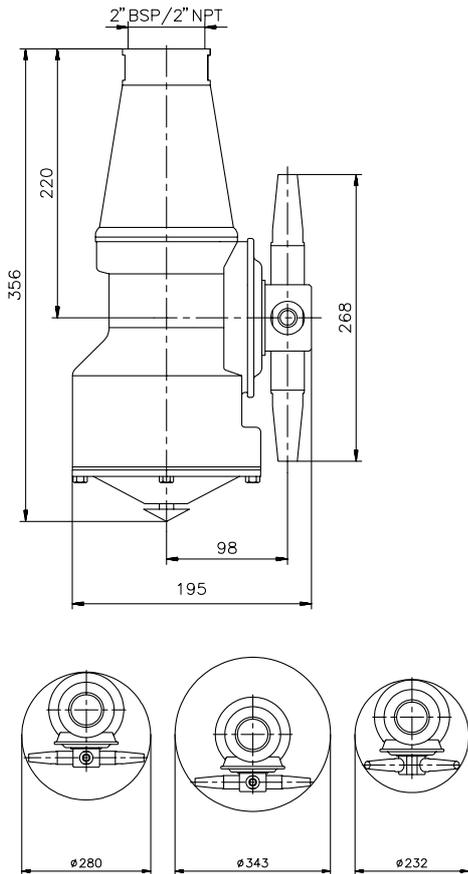
### Flow Rate



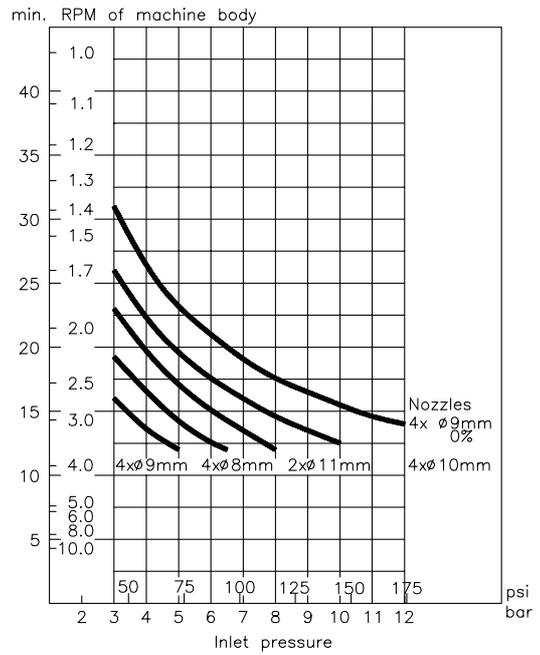
### Impact Throw Length



### 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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