

# Fast, Effective Impact Cleaning

## Toftejorg TZ-74 Self Cleaning Version Rotary Jet Head

### Application

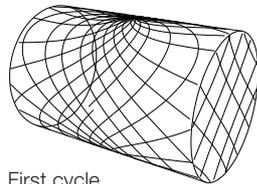
The Toftejorg TZ-74 Self Cleaning Version rotary jet head provides 360° indexed impact cleaning over a defined time period. It is automatic and represents a guaranteed means of achieving quality assurance in tank cleaning. The device is suitable for processing, storage and transportation tanks and vessels between 50 and 500 m<sup>3</sup> (13,000 to 130,000 US gallons). Used in breweries, food and dairy processes and many other industries with a strict demand for self cleaning of the machine and the downpipe. The Toftejorg TZ-74 Self Cleaning Version rotary jet head has been particularly successful in the brewing industry worldwide.

### Working Principle

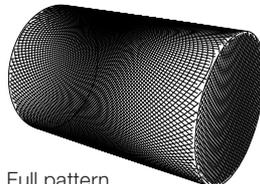
The flow of the cleaning fluid makes the nozzles perform a geared rotation around the vertical and horizontal axes. In the first cycle, the nozzles lay out a coarse pattern on the tank surface. The subsequent cycles gradually make the pattern more dense, until a full pattern is reached after 8 cycles.



### 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-74 Self Cleaning Version can be supplied with a "Declaration of Conformity" for material specifications.

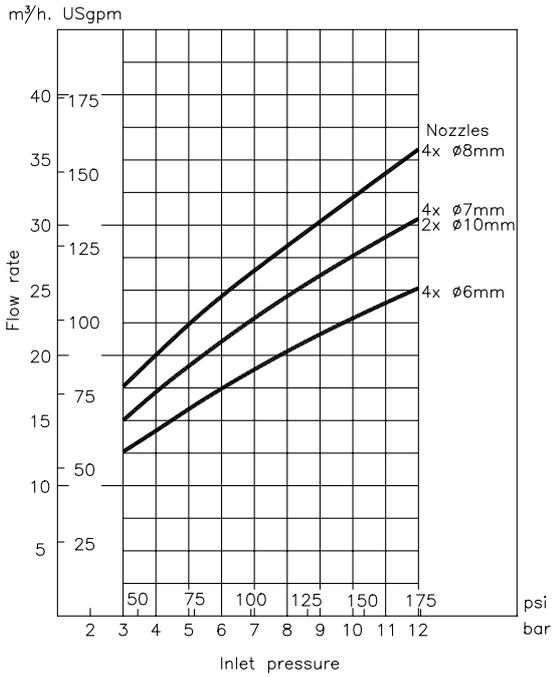
### Materials

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

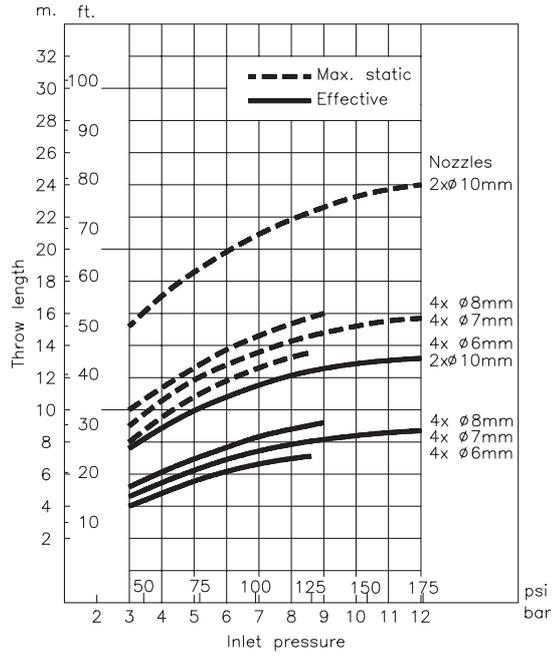
### Technical Data

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:	7 - 24 m (23 - 79 ft)
Impact throw length:	4 - 13 m (13 - 43 ft)
Standard thread:	1 1/2" BSP or NPT, female

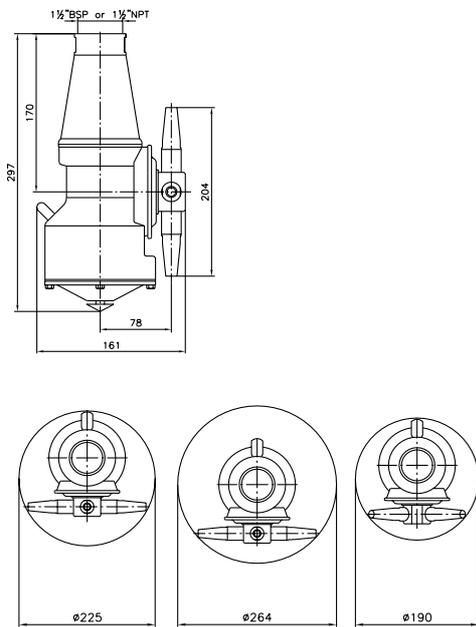
**Flow Rate**



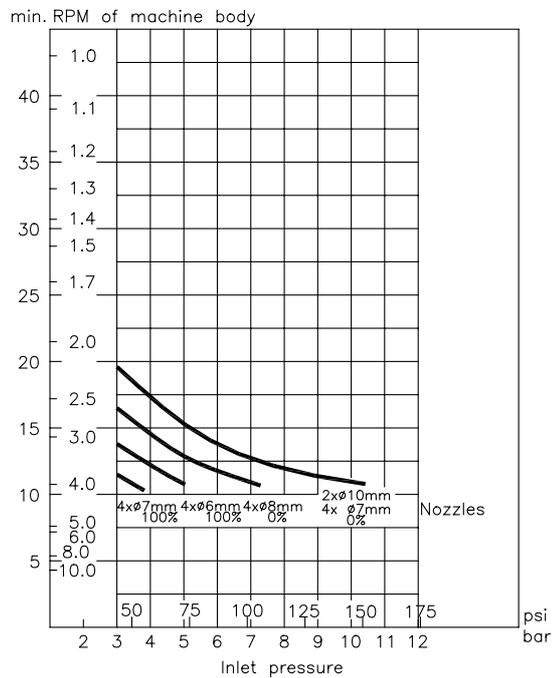
**Impact Throw Length**



**Dimensions (mm)**



**Cleaning Time, Complete Pattern**



**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