

The TZ-74 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 from cleaning tanks.

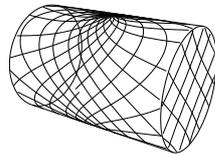
Applications

Processing, storage and transportation tanks and vessels between 50 and 500 m³ (13,000 to 130,000 US gallons). Used in breweries, food and dairy processing, chemical and many other industries. The TZ-74 rotary jet head has been particularly suitable and successful in the brewing industry worldwide.

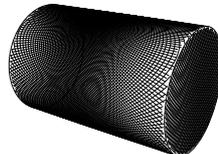
Operation

The flow of the cleaning fluid makes the nozzles perform a geared rotation around the vertical and horizontal axis. 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.

Cycles



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 clean.

Options

The choice of nozzle diameters can optimise jet impact length and flow rate at the desired pressure. An electronic rotation sensor to validate 360° coverage can also be included.

Quality System

Toftejorg Tank Cleaning Equipment is produced in accordance with ISO 9001 International Quality Standard.

Ordering information

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

Information

Please ask your local Toftejorg sales office or representative for further information.

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SPECIFICATIONS

Materials

AISI 316L, AISI 316, PTFE, PEEK, Tefzel

Weight

6.1 kgs (13,6 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, static

7 - 24 m (23 - 79 ft.)

Effective throw length

4 - 13 m (13 - 43 ft.) Impact in center of jet
 250 mm water column (50 lbs/sq.ft.)

Standard thread

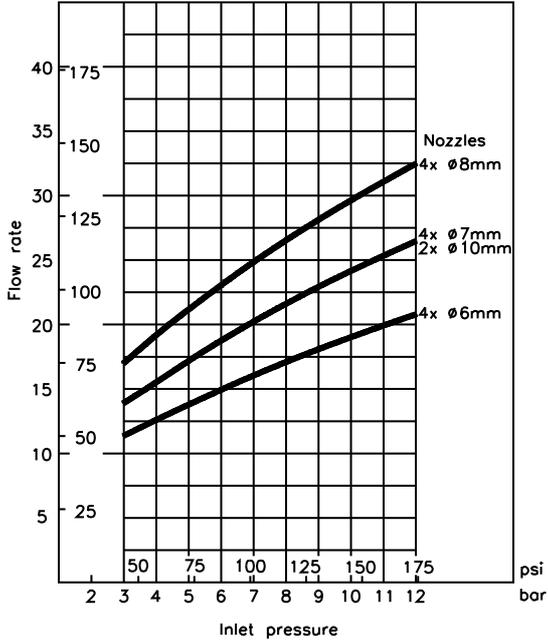
1 ½" BSP or NPT, female

Min. tank opening

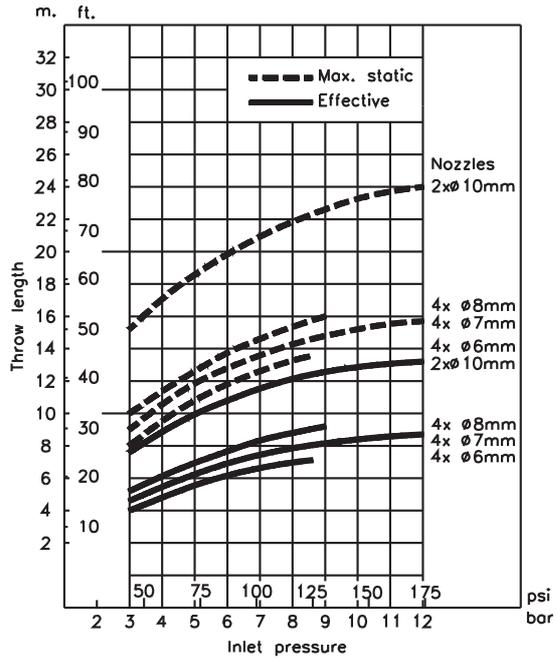
See dimension drawings

Flow rate

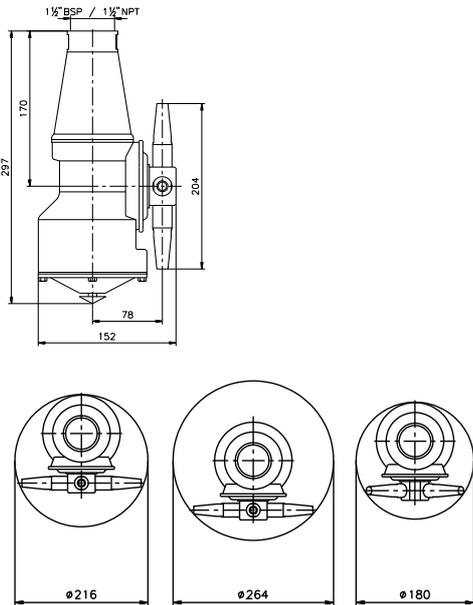
m³/h. USgpm



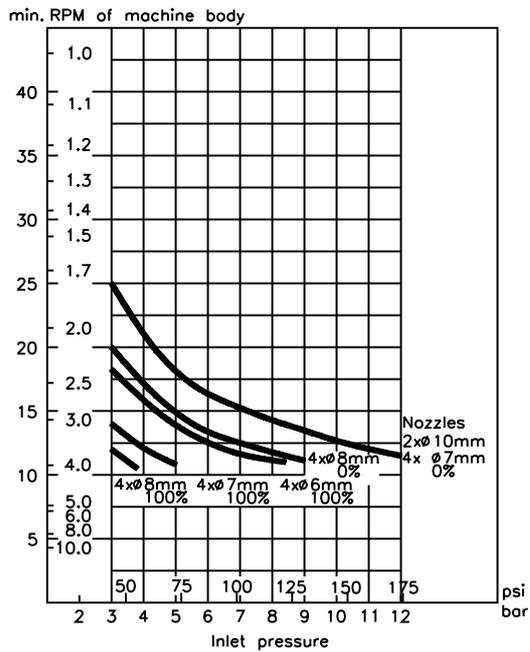
Horizontal Throw Length at Static Condition



Dimensions (mm)



Cleaning Time, Complete Pattern



Toftejorg reserves the right to change specification at any time without prior notice.

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