Fast, Effective Impact Cleaning
Alfa Laval TJ TZ-750 Rotary Jet Head - Portable

**Application**
The Toftejorg TZ-750 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 storage and transportation tanks and vessels between 3,000 and 7,000 m³. Used in chemical processing and the pulp and paper 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 4 cycles.

**TECHNICAL DATA**

- **Lubricant:** Self-lubricating with the cleaning fluid
- **Standard surface finish:** Ra 0.5µm exterior
- **Flow rate:** 38 - 83 m³/h
- **Max. throw length:** 50 - 40 m
- **Min. required passage:** See dimension drawings

**Pressure**
- **Working pressure:** 5 - 12 bar
- **Recommended pressure:** 5 - 10 bar

**Cleaning Pattern**

The above drawings show the cleaning pattern achieved on a 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.

**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-750 can be supplied with a “Declaration of Conformity” for material specifications.

**PHYSICAL DATA**

- **Materials:** 316L (UNS S31603), 1.4401, PTFE, PVDF, Carbon, EFTE.
- **Temperature**
  - Max. working temperature: 95°C
  - Max. ambient temperature: 140°C
- **Weight**
  - Portable: 12.1 kg
  - Fixed: 3.6 kg
- **Connections**
  - Standard thread: 2½” Rp (BSP), NPT