Alfa Laval TJ MultiMidget Rotary Spray Head

Low Flow Saves on Water and Chemicals

Application
The Toftejorg MultiMidget is a rotary spray head that uses cleaning media to provide coverage and impact. The device represents an effective alternative to traditional static spray balls because it uses low volumes of cleaning fluid at low pressure. The double ball bearing in the Toftejorg MultiMidget’s rotating head makes the device suitable for all industrial cleaning applications, including tanks, reactors, vessels and other containers ranging from 0.1 m³ to 10 m³, depending on dimensions and cleaning task.

Working principle
The flow of the cleaning media causes the head of the Toftejorg MultiMidget to rotate, and the fan-shaped jets lay out a swirling pattern throughout the tank or reactor. This generates the impact needed for the efficient removal of residual product; the cascading flow covers all internal surfaces of the vessel. The MultiMidget are designed to be installed in any given angle.

TECHNICAL DATA
Lubricant: .............. Self-lubricating with the cleaning fluid
Wetting radius: .............. Max. 3 m
Impact cleaning radius: .............. Max. effective 1.4 m

Pressure
Working pressure: ..............1-3 bar
Recommended pressure: ..............2 bar

Spray Pattern

360° up 270° up 180° down

Standard Design
As standard documentation, the Toftejorg MultiMidget can be supplied with a “Declaration of Conformity” for material specifications.

Certificates
2.1 material certificate.

PHYSICAL DATA

Materials
Inlet connections/Balls: ..............316 (UNS S31600)
Bearing race parts: .............. Duplex steel (UNS S31803)
Head: ..............316 (UNS S31603)
Standard Surface finish: ..............Ra 0.8μm exterior/ Ra 0.8μm internal

Temperature
Max. working temperature: ..............95°C
Max. ambient temperature: ..............140°C

Weight
Thread: ..............0.50 kg
On pipe: ..............0.90 kg

Connections
- Thread: 1/2" or 3/4" Rp (BSP) or NPT
- Weld-on: 1" ISO 2037 or DN25 DIN11850-R2
- Clip-on: 1" ISO 2037
For clip-on models, the flow rate is increased by approx. 0.5m³/h.