

Low Flow Saves on Water and Chemicals

Toftejorg MultiMagnum Rotary Spray Head

Application

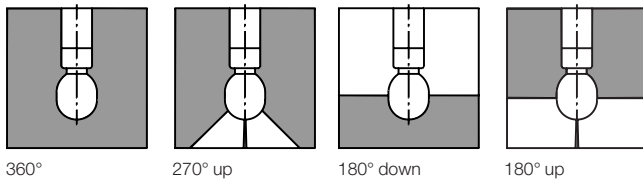
The Toftejorg MultiMagnum is a rotary spray head that uses cleaning media to provide coverage and impact. The device represents an effective alternative to traditional static spray balls because it uses low volumes of cleaning fluid at low pressure. The double ball bearing in the Toftejorg MultiMagnum's rotating head makes the device suitable for all industrial cleaning applications, including tanks, reactors, vessels and other containers ranging from 5 m³ to 50 m³ (1,300 - 13,000 US gallons), depending on dimensions and cleaning task. Assistance with optimal application positioning and other technical recommendations are available in CAD format.

Working Principle

The flow of the cleaning media causes the head of the Toftejorg MultiMagnum 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.



Spray Pattern



Standard Design

As standard documentation, the Toftejorg MultiMagnum can be supplied with a "Declaration of Conformity" for material specifications.

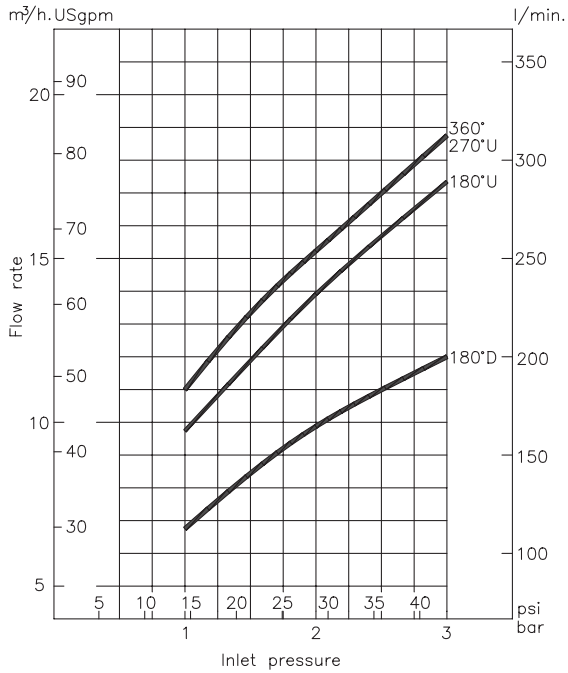
Materials

Inlet connection:	1.4401 (316)
Bearing race parts:	SAF 2205 (UNS 31803)
Balls:	1.4401 (316)
Head:	1.4404 (316L)

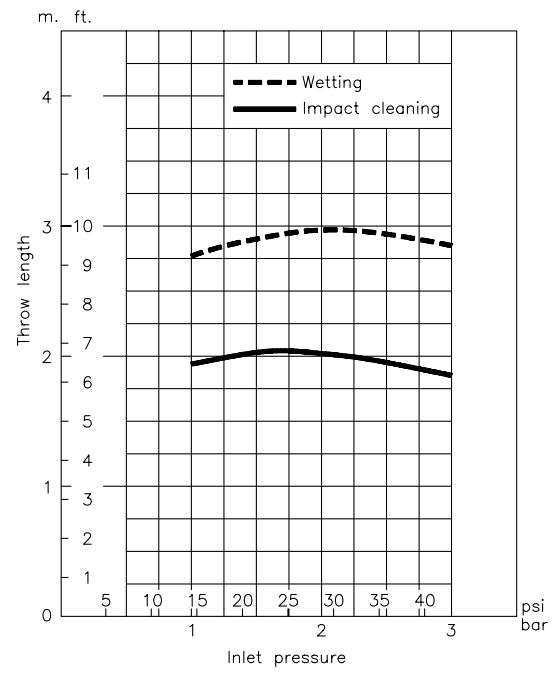
Technical Data

Weight:	Thread: 0.90 kg (1.98 lbs)
	Clip-on: 1.0 kg (2.21 lbs)
	On pipe: 2.5 kg (5.51 lbs)
Lubricant:	Self-lubricating with the cleaning fluid
Working pressure:	1 - 3 bar (14.5 - 44 psi)
Recommended pressure:	2 bar (29 psi)
Max. working temperature:	95 °C (203 °F)
Max. ambient temperature:	140 °C (284 °F)
Wetting radius:	Max. 3 m (10 ft)
Impact cleaning radius:	Max. effective 2 m (6 ft)
Connection:	1 1/4" BSP or NPT thread.
	Clip-on or weld-on for pipe: ISO2037, ASTM A270, BS4825 part 1 or DIN 11.850

Flow Rate

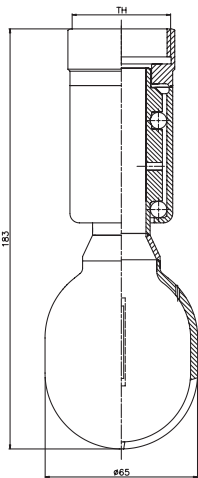


Cleaning Radius

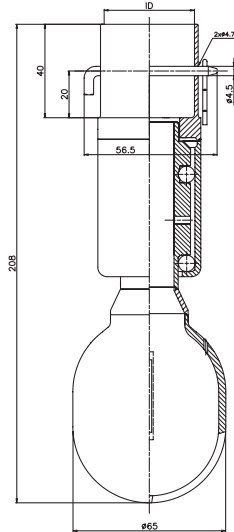


For clip-on models, the flow rate is increased by approx 0.5 m³/h.

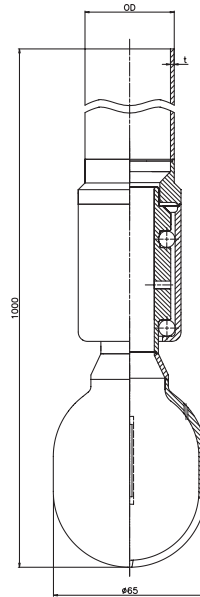
Dimensions (mm)



TH
1¼" BSP
1¼" NPT



ID
ISO: ø38.4
DN40: ø34.7



OD x t
Welded on pipe
ISO: ø38 x 1.6
DN40: ø41 x 1.5

Ordering

Please specify desired spray pattern and required connections.
Please also confirm the application suitability.

Options

- Downpipes with Tri-Clamp and flange connections