

# Sanitary, Low-Flow Cleaning

## Toftejorg SaniMagnum Rotary Spray Head

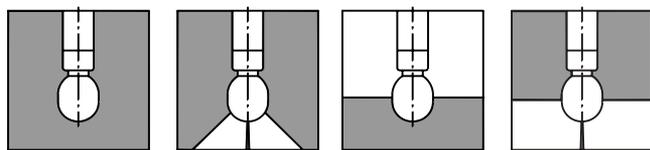
### Application

The Toftejorg SaniMagnum is an efficient replacement for traditional static spray balls as it uses low volumes of liquid at low pressure. The device, particularly well-suited to sanitary applications, can be used in tanks ranging from 5 m<sup>3</sup> to 50 m<sup>3</sup> (1,300 to 13,000 US gallons). Application and optimal positioning assistance is available in CAD format.

### Working Principle

The flow of the cleaning media causes the head of the Toftejorg SaniMagnum to rotate, with fan jets laying out a swirling pattern throughout the vessel. This generates a vibrating impact and cascading flow that covers all internal surfaces of the tank or reactor. The device's self-cleaning feature is achieved by directing the cleaning media through the rotating bearing track and onto the neck of the elongated head.

### Spray Pattern



360°

270° up

180° down

180° up

### Standard Design

As standard documentation, the Toftejorg SaniMagnum can be supplied with a "Declaration of Conformity" for material specifications or 3.1.B certification for metallic parts. The device is available in hastelloy C22 (balls in hastelloy C276/PFTE) with 3.1.B certification for metallic parts.

### Materials

Inlet connections:	1.4404 (316L)
Bearing race parts:	SAF 2205 (UNS31803)
Balls:	1.4401 (316)/PTFE*
Head:	1.4404 (316L)

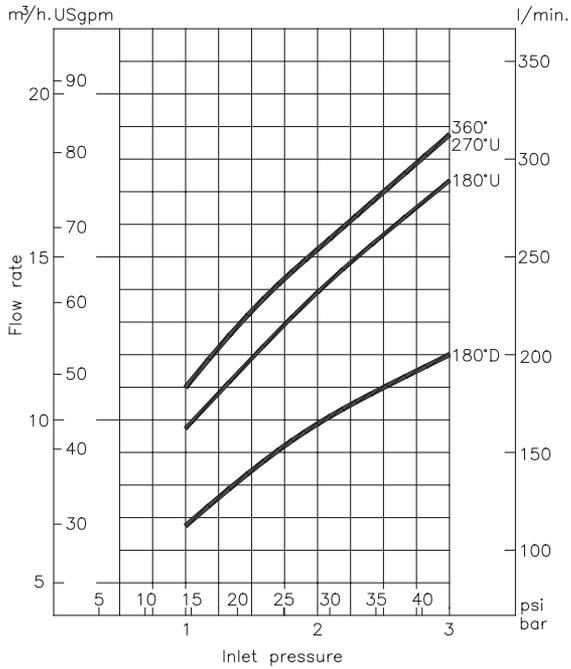
(\*FDA approved 21 CFR § 177.1550)



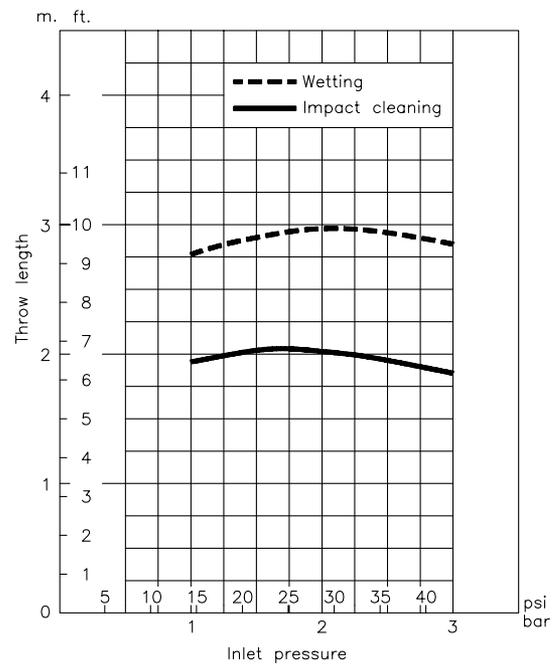
### Technical Data

Weight:	Thread and clip-on: 0.76 kg (1.48 lbs)
	On pipe: 0.97/1.52 kg (2.14/3.35 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**

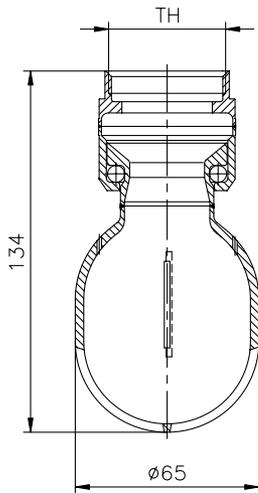


**Cleaning Radius**



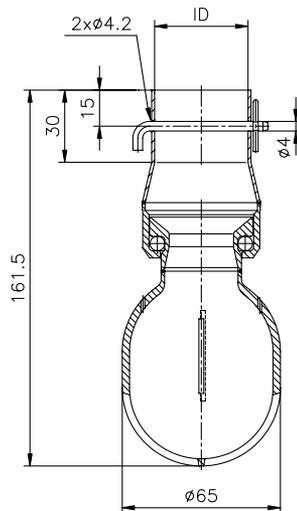
For clip-on models, the flow rate is increased by approx 0.5 m³/h.

**Dimensions (mm)**  
**Thread**



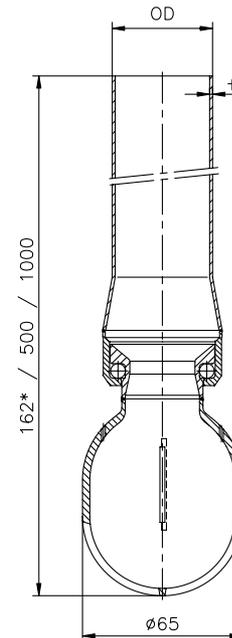
**TH**  
1¼" BSP  
1¼" NPT

**Clip-on**



**ID**  
1½"      ø38.4  
2"        ø51.3  
NW40     ø40.4  
NW40     ø41.4

**Welded on pipe**



**OD x t**  
**Welded on pipe**  
1½"      ø38 x 1.2  
**Weld end\***  
1½"      ø38 x 1.2  
NW40     ø41 x 1.5

### Ordering

Please specify desired spray pattern, required connections, material selection and type of certification required. Please also confirm the application suitability.

### Options

- Downpipes with Tri-Clamp and flange connections
- Electropolishing