

# TROLL BALL 3"

- few moving parts
- no ball bearings
- even rotation
- strong jet power



- FDA and ATEX possible at the same time
- Pressure range 3 – 12 bar
- Cleaning diameter up to 7 m
- Flow rate between 110 – 270 lpm
- Hygienic and self-cleaning
- Installation opening only 80 mm
- Available as 2" version

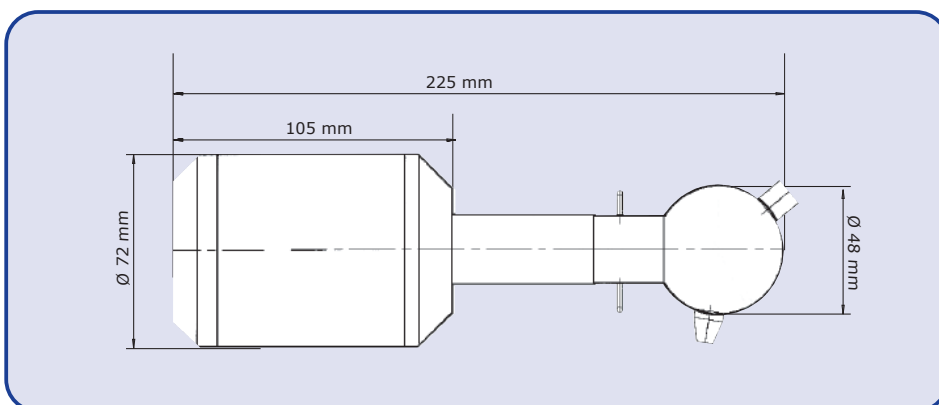
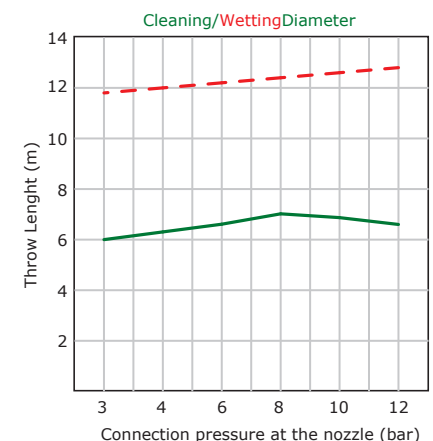
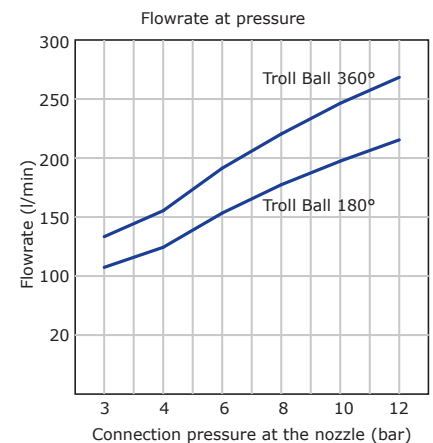
The simple and effective drive system of the TROLL BALL 3" creates a slow and constant rotation. This process delivers continuous cleaning with different cleaning media and a wide temperature range. The TROLL BALL consists of few moving parts, providing a compact and reliable cleaning solution with low maintenance. The TROLL BALL is ideal as a replacement for fixed or rotating spray balls.

The cleaning fluid drives a simple motor that creates a constant rotation of the ball head. In the process, all the cleaning liquid flows with effective force through the few holes in the spray ball. The specially developed design of the holes produces a good jet strength with a minimum of liquid. An additional nozzle cleans the body and the inlet ports of the container. The high-energy drops provide very effective impact up to 3.5 m (r). This ensures reliable cleaning of containers up to 7 m in diameter with only one nozzle.

The TROLL BALL meets FDA hygiene and material requirements and is available with ATEX exemption. It can be used in the pharmaceutical, food, biotech, beverage and many other hygiene-conscious industries. The TROLL BALL is available in 180° and 360° up and down versions. The TROLL BALL is also available as a 2" version.

## Technical data:

Max. cleaning diameter:	7 meter (22,9 ft)
Spray pattern:	360° and 180° down-, upwards
Pressure range:	3 – 12 bar (43.5 – 174 psi)
Flow rate:	110 – 270 LPM (6.6 – 16.2 m³/h) (29 – 71.3 US gpm)
Insertion opening:	Ø min. 80 mm (3.15 Inch)
Preferred mounting position:	any angle, vertical preferred
Weight:	approx. 2.3 KG (5.07 lbs)
Materials:	Stainless Steel 316L (1.4404), 316 (1.4401), PTFE, C.PTFE, (PEEK)
Pipe connection:	1,5" BSP (DIN ISO 228)/NPT female
Nozzle characteristics:	Ball with attached full jet nozzles
Certifications:	3.1, 2.2, ATEX, FDA, Regulation (EC) No 1935/2004
Max. operating temperature:	120°C (248°F)
Max. SIP temperature:	140°C (284°F), 30Min.



The data, technical data and information presented do not release the user from the obligation to check the suitability of the products supplied for the intended application. All information is without guarantee. (Status: 28.02.2022-71427321893-1888948-71042)