

BRECONCHERRY SELLERS CLEAN

International specialists in the design and
manufacture of tank cleaning equipment

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TROLL BALL - Model 2"



The Perfect Spray Ball Replacement

- No Ball Bearings, No Gears
- Minimum Moving Parts
- Rotary Spray Action
- Hygienic Design
- Range of Spray Patterns Available
- No Contamination from Shedding
- Less Wear / Maintenance Costs
- Ideal for Regular, Consistent, High Standard Cleaning
- Food Grade Approved
- Suitable for Wider Range of Applications

Versatile & Unique

The versatile **TROLL BALL MODEL 2"** is ideally suited to applications which demand regular, consistent cleaning to a high standard. The **TROLL BALL MODEL 2"** is perfect for in-place cleaning of vessels up to 4m in

diameter, when used singly. The **TROLL BALL MODEL 2"** operates with hot or cold water, with or without additives, or other cleaning fluid.

Applications

The **TROLL BALL MODEL 2"** ensures effective cleaning by steadily sweeping curtains of water, covering all required areas of the vessel.

It operates with the cleaning fluid at a pressure up to 12 Bar and the flow rate can reach up to 120 lpm.

The **TROLL BALL MODEL 2"** is widely used in the food, beverage, dairy, chemical, coatings/paints industries

The **TROLL BALL MODEL 2"** may be installed at any angle, or used manually, attached to the end of a lance.





TROLL BALL - Model 2"

Technical data

Materials of Construction	316 S/S, CPTFE
Inlet Connection	3/4" NPT or 3/4" BSPT
Operating Pressure Range	3 - 14 bar
Max. operating temperature	120°C
Flow Capacity	45 - 120 lpm
Standard Materials	Stainless Steel 316, PTFE
Weight	1.0kg

The **TROLL BALL MODEL 2"** is self-powered by the cleaning fluid. From a known input pressure, read off from the charts below the flowrates and wash radius.

Optional Features	To Order
Inlet Connection 3/4" BSP Fem	Add 3/4" BSPT
Anti Vibration Unit – Ball Threaded and Locked to Shaft	Add/AV to Type Code
Glass or Carbon Filled PTFE Bearing Material	Model 2"/GF or 2"/CF
Fan Inserts Fitted for Short Radius Cleaning	See Spray/Ball Code
Custom Spray Patterns & Flow Characteristics	On Application

Pressure (Bar)	3	4	6	8	10	12
Spray Pattern Ball	Flow (lpm)					
360° Type C/B	50	58	72	84	94	100
360° Inverted Type D/F	45	52	65	75	85	90
180° Down Type G/E	50	58	72	84	94	100
180° Up Type H/J	60	75	88	100	112	120
Cleaning Radius	2m	2m	2m	2m	2m	2m
Wetting Radius	4m	4m	4m	4m	4m	4m

Examples	
2" Troll Ball, Std. PTFE Bushing, 360° Spray Pattern, 3/4" BSP Thread	Model 2" Type C 3/4" BSP
2" Troll Ball with Glass-Filled Bushing, 180° Up Spray Pattern and Anti-Vibration Build	Model 2"/GF Type H/AV

Installation & Operation

Mount the **TROLL BALL MODEL 2"** rigidly in the tank or, for manual use, it can be suspended on a hose.

A strainer should be fitted to prevent clogging of fluid paths and particles becoming embedded in bushing. 20 mesh or finer is recommended, depending on amount, nature and size of the particles in solution.

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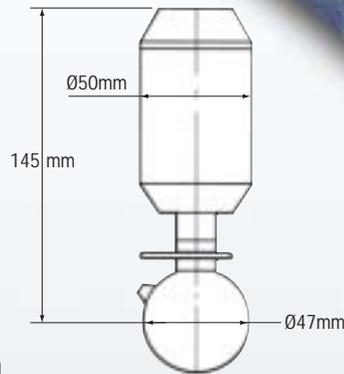
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QUALITY • PERFORMANCE • SERVICE

**MODEL 2"**

Manhole opening: the smallest diameter recommended in normal use is 70mm/3". Care should be taken to avoid damage to the unit.

Closed tanks should have adequate venting to allow for either release of gases or vapours, or alternatively, prevention of possible tank collapse due to vacuum formation following a hot wash.

Liquids which are able to generate hazardous vapours e.g. solvents, should be sprayed only when full provisions have been made in the installation, in accordance with relevant Health and Safety Regulations, and good practice, to eliminate or prevent any hazardous effects.

Rapid build up of liquid pressure at inlet to the **2" TROLL BALL** should be avoided, or prevent "pipeline hammer" effects.

If a positive displacement pump is used to supply liquid pressure, e.g. diaphragm type, pulsation dampening may be required on pump outlet to ensure smooth rotation of the **TROLL BALL**.

Maintenance & Inspection

Worldwide comprehensive after-sales service includes spare parts, technical support and full repair facilities from the Breconcherry trained global network.

We reserve the right to
change the specifications
without notice.

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