



Process quality and cost management solutions

Tank cleaning heads

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Introduction



Tank cleaning is often overlooked until the source of that annoying microbial infection is being tracked down.

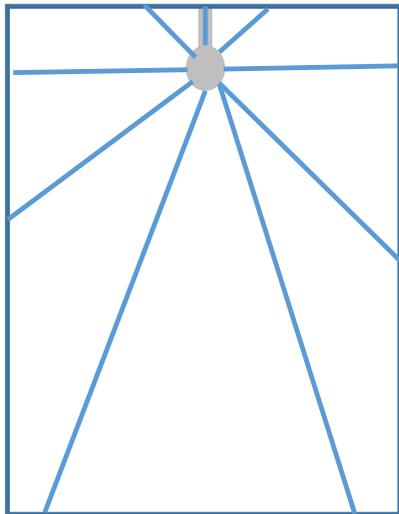
Tanks are often supplied with cleaning heads already installed, but they're not always suited to the size, contents or available CIP conditions.

This short guide describes the common cleaning heads that are available for tanks and provides some basic guidance on the questions to ask when selecting and sizing the correct cleaning head.

Common cleaning heads

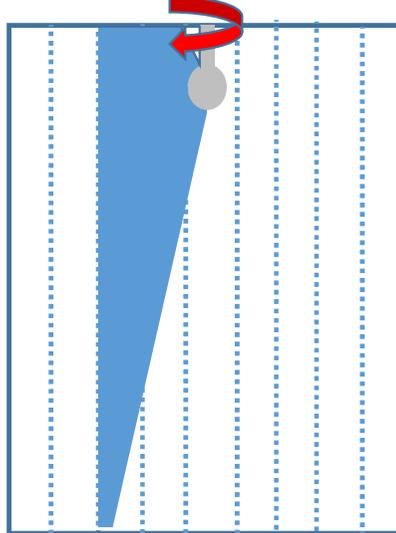


Static spray-ball



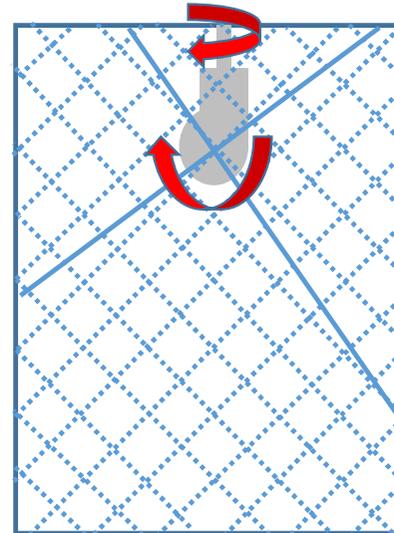
The simplest design which results in impact cleaning at fixed points with variable curtain cleaning in between. Impact velocity also variable. **Only suitable for small vessels and light soil.**

Rotary spray-head



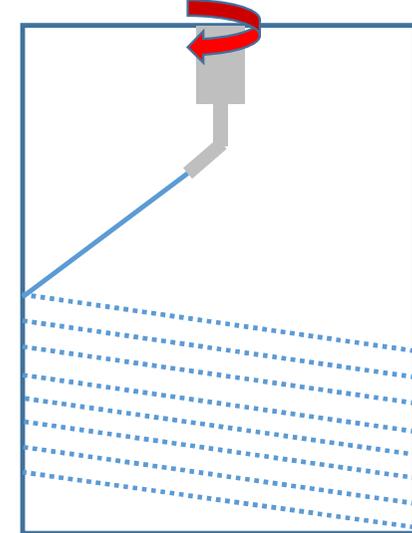
The head rotates on its axis driven by the velocity of water through vertical slits. Better impact and coverage than a static spray-ball. **Suitable for small tanks and light to medium soil.**

Rotary jet-head



Driven by the CIP solution turning a turbine and gearing arrangement. 2- or 4-jets rotating horizontally and vertically result in a high impact criss-cross pattern. **Suitable for bigger tanks and heavier soil**

Single-axis, single-jet



Driven by turbine or external motor, the single nozzle rises to a preset level as the body rotates on its axis creating a multi-layered high impact pattern. **Suitable for very large tanks and / or viscous soil.**

Selection and sizing



Ideally, you should have the following information available when you contact your supplier of cleaning heads:

- Tank dimensions and any internal features.
- Available pressures of your CIP feed pump.
- Tank contents.
- Intended cleaning solutions, temperatures and concentrations.
- Frequency of cleaning.
- Size and style of connection points.
- Volume of the CIP system.
- Any strainers that are present on feed or scavenge lines.

This will enable your supplier to present the options available to you.

Contact



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