

# LVO SPRAY SYSTEM



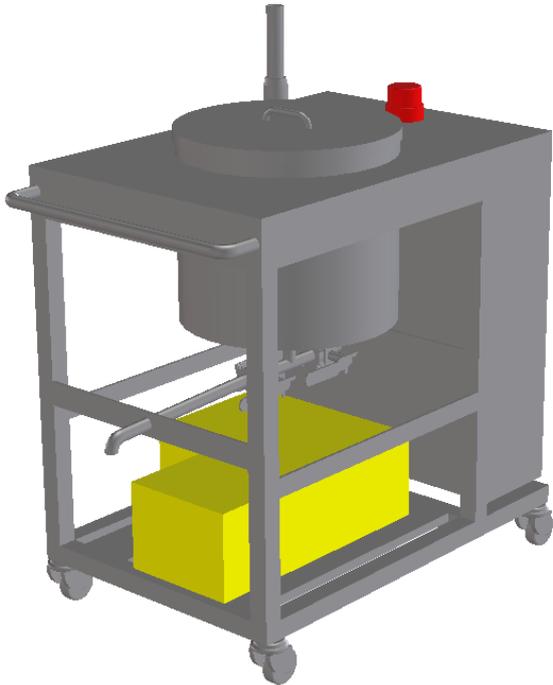
The Arcall Linear Volumetric Oiler follows on from the success of the CLO to make a range of tumble drum spray systems to meet the needs of any producer. The LVO has been designed as a budget priced machine whilst still offering some of the features of more sophisticated systems.

## Features

- High turndown ratio
- Low mist
- Continuous spray
- Easy to clean
- Operator friendly
- Dairy standard connections
- Heated tank and recycle
- Budget priced

Engineering Quality For Food

# LVO Spray Application System



## Principles of operation

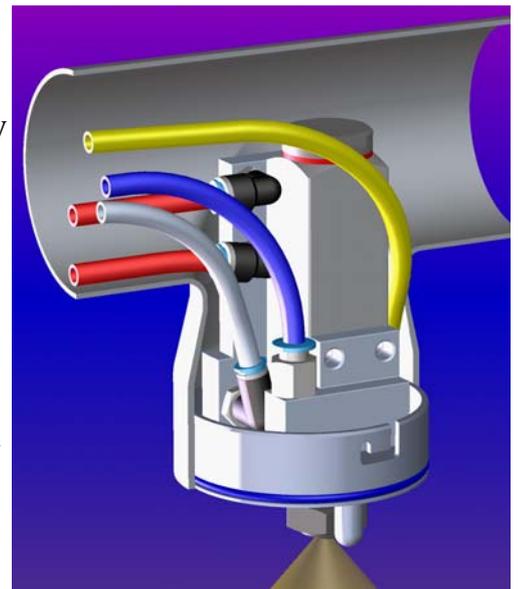
The base product is continuously weighed or volumetrically assessed prior to entry into a tumble drum, and this weight/volume is converted by a PLC into a control signal to reduce or increase the speed of a peristaltic pump. This simple but effective method, owing to the linear nature of the pump output enables the LVO to be offered with a guaranteed delivery accuracy of +/- 7% of the set point requirement. The spray is applied through the Arcall Lance consisting of two spray guns which are automatically opened to meet the flow requirements, and cleaned periodically

### Available options. (requirements depend upon material to be applied)

- 2, 3 4 or 5-gun spray lances.
- Fluid recirculation system.
- Tank agitation.
- Stand alone PLC or remote I/O to connect to PLC supplied by others
- Double headed peristaltic pump, used to reduce pulsing.
- Electrically heated fluid lines.
- Increased tank heating. 0.8 Kw to 3 Kw.

## The FQB Spray Gun

as used in this system, has been designed for the food industry - Arcall, with 40 years experience of spraying for food applications, have manufactured the FQB Spray Gun to meet the needs of precise application with little mist, or waste. Spray is created by the use of a minute quantity of air, atomising the liquid at the exit of the gun. This allows a low pressure fluid flow in the pipework and reduces wear and inconsistency. With both positive opening and closing, and the potential for needle stroke adjustment, each gun can be relied upon to offer consistent spray characteristics.



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