

## PeraSpray™ Power Unit

### APA/101



#### Properties

Enclosure & Pump Heads: Polypropylene

Pump Body: Polyphenol Ether

Pump Head Diaphragm: EPDM and bonded Mild Steel stud

Central Diaphragm: EPDM and Zinc-passivated Mild Steel

Pressure Module Pad: Hypalon

'O' rings and Manifolds: EPDM and Nitrile

Directional Valve Spring and Screws: Steel

Magnet Backing Disc: Zinc Plated EN3B

Tubing: PVC

Flow rate: 2.37 – 2.74 litres/minute using water

Dimensions: 45 x 36 x 37 cm

Net weight: 3.67Kg

For more Pump information, see APA/004 datasheet.

For more Directional Valve information, see ATS/425 datasheet.

For more Relief Valve information, see Relief Valve datasheets.

Datasheets are available at [www.ambic.co.uk](http://www.ambic.co.uk)



# Product Technical Data Sheet

## Background

Milking clusters are a well-known source of cow to cow transmission of mastitis pathogens. For each infected cow milked, the risk of contamination is present for the next 6 to 8 cows, with the first two being at highest risk. An effective method of reducing the risk of mastitis transmission is by killing any pathogens present on the cluster before it is attached to the next cow.

Cluster spraying sanitises each cluster between each cow being milked, reducing cow to cow transmission of mastitis pathogens. This is a faster and more effective method than cluster dipping and enables fresh, clean solution to be delivered to the cluster every time.

Peroxyacetic Acid (Peracetic Acid or PAA) is a particularly effective agent as well as being environmentally friendly and the only cleanser of choice for Organic milk producers. PAA breaks down into harmless components – carbon dioxide, water and oxygen, so there are no problems relating to milk contamination and there is no need to rinse the clusters.

**Recommended for use with Peroxyacetic Acid (Peracetic Acid or PAA) at a final concentration of less than 250ppm (0.025%).** The maximum concentration of Peracetic Acid that can be used is subject to regulations that differ between countries.

## Features

- Extension kits enable expansion of the number of drop coils on the PeraSpray™ system.
- Quicker and more effective than cluster dipping.
- Effective sanitisation of each cluster between every cow being milked with contact time of as little as 10 seconds.
- Fresh, clean solution is delivered to each cluster every time.
- Special applicators ensure that both the inside and outside surfaces of the cluster liner are sanitised.
- Contains the following parts which can be ordered separately as product codes:
  - APA/004 – PeraSpray™ Diaphragm Pump.
  - ATS/445-PA – PeraSpray™ Diaphragm Pump Inlet Valve (fine thread).
  - ATS/446-PA – PeraSpray™ Diaphragm Pump Outlet Valve (coarse thread).
  - ATS/407 – T-Connector with Nuts.
  - ATS/411 – Cable Ties (pack of 10).

Manufactured in the UK

HS Commodity Code: 84349000

REACH compliance is not applicable.