



**1-CUBE s. r. o.**

Hamry 3567, 580 01 Havl. Brod, Czech Rep.  
tel + 420 569 433620, fax + 420 569 422144  
e-mail: 1-cube @ 1-cube.com

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## **ASEPTIC SAMPLE VALVE (DEFOAMER) – Type AOV USER’S GUIDE**

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## 1. The Product

Defoamer AOV.....	1 piece
User's Guide.....	1 booklet

### **Available Accessories:**

Vessel for sample withdrawal  
Stainless tongs  
Stainless sample valve  
Stainless vessel (volume 2 l) with cover  
Stainless vessel (volume 0.5 l) with cover

Note: accessories are not part of the supply – available at the request of the customer

## 2. Installation / Operation / Maintenance

The defoamer is wrapped in outward packing for delivery. First unwrap it carefully. The device is ready for measurement upon delivery. However it is not sterile (for microbiological purposes), if required please follow the procedure described below.

The operator should clean the device after each usage. The cleaning of the device should be done at room temperature. Wash both the outside and the inside of the device. Put the defoamer on the suitable closed valve connected to wash water to clean the inside surface of the device. Hold the defoamer against the valve during rinsing (wash). Open the valve to wash the inside surface of the defoamer. The length of wash depends on how dirty the inside is. After the defoamer has been washed close the valve and take the defoamer off the valve. Protect the surface against scoring.

Sterilization of the defoamer:

After the defoamer has been washed boil the defoamer in distilled water in a stainless vessel for 45 minutes. After that one can leave the defoamer in the same distilled water in the stainless vessel for 14 hours (maximum). If the defoamer is in the distilled water longer than 14 hrs, we recommend that it be resterilized (boil it off) before use.

Before use, take the defoamer out of the distilled water carefully using stainless tongs and put it into a sterile stainless vessel, close the vessel and carry it to withdrawal point.

## 3. Safety Recommendations

The defoamer - type AOV should only be operated by persons who are completely acquainted with its function via proper training, or who became thoroughly acquainted with the user's guide of this device.

The defoamer type AOV can be used only in the range of measured values determined by technical conditions. Never connect the device to the withdrawal points where the parameters are over capacity of the device.

Check the device before each measurement. Do not use a visibly damaged device. If there are problems please contact the qualified service personnel who will provide service.

## 4. Technical Data:

The defoamer can be used only for industrial use

range of working temperatures.....-10 - +50 degrees Celsius  
max. temperature of sterilization.....100 degrees Celsius (boiling water)  
max. pressure.....300 kPa (3 bars)  
range of diameters of sample cock.....7-12 mm  
dimensions.....27x65 mm (diameter x height)  
weight.....about 140 g

## 5. Operating Instructions

Put the sterilized defoamer on the aseptically clean withdrawal cock. Push the defoamer against the withdrawal cock (defoamer's conical rubber sealing must pack the outflow of the sample) for the whole time of the sample withdrawal. Then open the withdrawal cock and let the measured sample flow to the vessel. When it is finished close the withdrawal cock and take the defoamer off the withdrawal cock.

If residue sterile water in the defoamer is undesirable, then first force the sterile water out with product sample and then obtain a sterile sample to the sterile vessel.

**IMPORTANT:** Sterile sample withdrawal: it is necessary to only use sterile equipment for each sample withdrawal. Use the defoamer and vessel only once after each sterilization.

## 6.0 Service

For service contact the manufacturer: 1-CUBE, Hamry 3567, 580 01 Havl.Brod, Czech Rep.  
tel. 00 420-569 433 620  
fax.00 420-569 422 144  
1-cube@1-cube.com

**NOTICE:** No one except for the manufacturer or authorized company should repair the apparatus.

At the end of the apparatus life we recommend that it be disposed of according to the corresponding waste categorization. Take the metallic parts made of iron, brass, plastic elements and packing material to the separated collection as a secondary raw material to be recycled.