

# VERITAS

**OFFICIAL ALCOHOL MEASURING DEVICE**  
**VERITAS 4 LS/PN**  
**MADE IN GERMANY. WORLD NOVELTY.**



**M**  
**HANDCRAFTED**  
for burners with  
aspiration

# VERITAS

MÜLLER. MADE IN GERMANY.



PRODUCT DATA SHEET MÜLLER BRENNEREINLAGEN — VERITAS — OFFICIAL ALCOHOL MEASURING DEVICE

## OFFICIAL ALCOHOL MEASURING DEVICE VERITAS 4 LS/PN

**We simplify the enclosed distillery europe wide for both the distiller and the customs authority.**

The special measuring method can eliminate the need for costly sealed tank systems, as the **Müller Veritas** does not only record the quantity of alcohol (litres), it also takes product samples to easily determine the contained alcohol concentration.

To take the sample, volume flows through and is displayed on a mechanical counter, while in addition, a small representative amount of alcohol-water mixture is being collected through an integrated sampling device.

This sample is being stored in a sealed container for further alcohol concentration evaluation carried out by the responsible customs office.



## PRODUCT FEATURES

- 🔥 System especially secured through double enclosure
- 🔥 Works/functions without external auxiliary energy (purely mechanical)
- 🔥 Tolerance of the volume measurement is 0 to +3 per mil (for Germany).  
In the European Economic Area, the respective country regulations apply.
- 🔥 Technical measures protect collected product sample from evaporation.

## YOUR ADVANTAGES

- 🔥 Direct access to the produced distillate. Quality control of the distillate possible at any time.
- 🔥 Simple application in enclosed Pot Still Setups.
- 🔥 Adattabile agli impianti esistenti.
- 🔥 Retrofittabile to existing distilling plants.
- 🔥 Low maintenance

## AREAS OF APPLICATION

- 🔥 Enclosed distilleries

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## MODE OF OPERATION

The alcohol-water mixture flowing in from the spout/receiver of the Pot Still fills the volume measuring device. Due to the filling being offset by 90 degrees to the vertical, a resulting torque is created by the interaction with gravity. This torque drives a counter via a corresponding mechanism. The counter reading displayed corresponds to the volume in liters that has flowed through. The volume measuring device is constructed in such a way that the quantity flowed through corresponds to the tolerance of 0 to +3 per mil in the specified flow range specified by the customs office.

If there is an incorrect back flow in the volume measuring device, a control container fills up and documents the back flow for further investigations.

While the alcohol-water mixture passes through the volume measuring device, a sample of it is continuously separated in the Müller Veritas 4 L/PN. This sample is stored in the evaporation-proof sample collection container.

The collection container is emptied monthly or at the very latest within the maximum inspection interval given by the responsible main customs office. During emptying, the exact ABV of the produced spirit can be measured out.

The operating principle follows a well-known and proven procedure, it does not require any electrical or pneumatic auxiliary energy except gravity.

This greatly reduces error-proneness.

Contrary to the existing known procedures, however, we have improved some essential components of the volume measuring device and also aligned them to state of the art technology.

## OPERATION / MAINTENANCE

By breaking the outer closure, the lid and then the side panels can be easily removed. This allows for the collection container to be easily emptied.

All internal components can be dismantled and inspected by removing the internal fasteners. Cleaning of the individual components is possible without great effort. In case inspection openings have been opened, it will be very important that they are re-installed in the same place according to the spirit counter certification document. Important not to forget the seals!

If needed and after consultation with the customs authorities, it is also possible to exchange the volume measuring device incl. counter for a pre-calibrated measuring device.

The devices for sample separation can be cleaned with compressed air and a replacement of the hoses is easily possible as well. When replacing the hoses, please be sure to use the same hose lengths and routing.

## STRUCTURE

The Müller spirit counter is designed as a floor-mounted device. After vertical alignment, the dial gauge is screwed to the base. Then it is connected to the Pot Still. A separate base does not have to be constructed. The design allows the collection container to be emptied into the supplied stainless-steel bucket via a tap.

The emptying tap is provided with an official closure.

All relevant screw connections are provided with official closure preparations. All official closures are easily accessible.

## TECHNICAL DATA

### 🔥 Filling of the volumetric measuring device

4 x 1,00 litres

### 🔥 Flow rate of the measuring device

max. 120 litres / h

### 🔥 Volume of the collection container to hold the separated sample

approx. 30 litres

### 🔥 Dimensions (standard version)

Height:1,300 mm

Width:600 mm

Depth:400 mm

Weight:90 kg

Height inlet:1,100 mm

Height outlet:900 mm

### 🔥 Sample separation ratio

approx. 1/210

### 🔥 Maximum control interval

approx. 6,000 litres flow rate





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## **MÜLLER CLOSURES DISTILLERIES**

The alcohol measuring device is a mandatory component for capping distilleries. It is used to record the quantity of alcohol (liters), and also takes samples so that the alcohol concentration can be easily determined.

This makes work easier not only for distillers but also for customs authorities. MÜLLER offers you a comprehensive selection of distillery plants that can be configured as capping distilleries with the **MÜLLER Veritas** Alcohol Measuring Equipment (AME).



**MÜLLER AROMAT**



**MÜLLER AROMA**



**MÜLLER AROMA COMPACT**



**MÜLLER GRAPPA**

## **MÜLLER ACCESSORIES FROM A-Z**

Our range of accessories includes equipment options and additional products that you need as a distiller, winery, and producer, from A for alcoholometer to Z for citric acid. All accessories are compatible with our distillation equipment.

Contact us, we will be happy to advise you.

Or get more information at: [www.zubehoer.brennereianlagen.de](http://www.zubehoer.brennereianlagen.de)



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Our MÜLLER quality includes our individual and precisely tailored to your project consultation is a matter of course.

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