



# Glass vessel

GF2000 2/2-V2 including fixed glass probe tip AF26

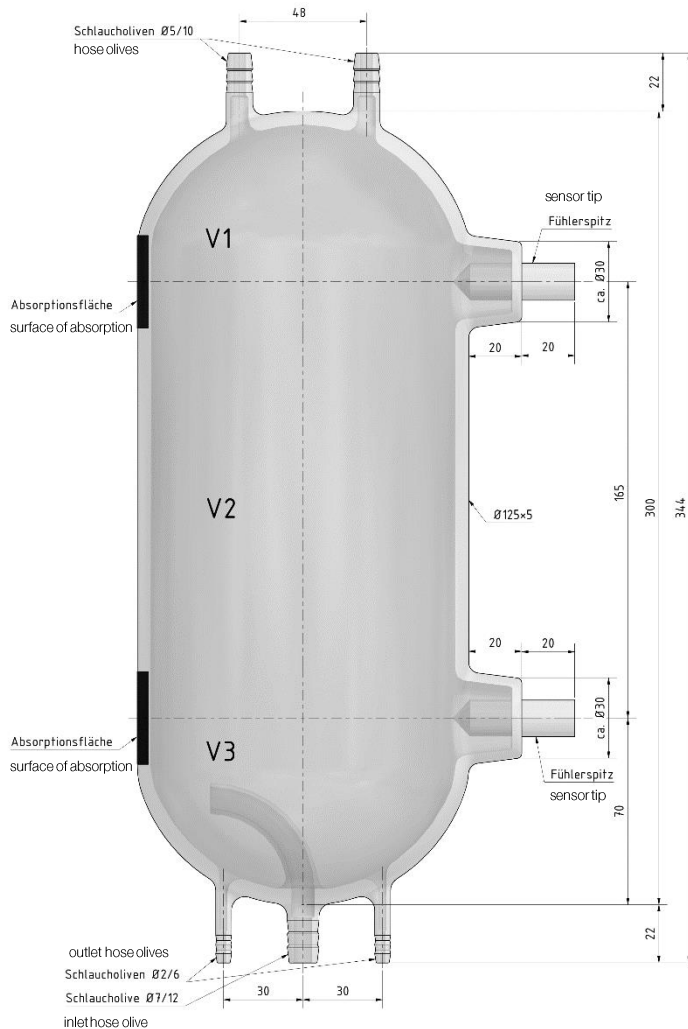


- Feed vessel for filling machines
- Sterilizable
- Made for two IR detector AF 26
- Absorbent surface on the outside
- Schott Duran 50 glass
- Total - volume 2600 ml / working - volume 470 - max 1700 ml

## Use

In the sterile zone we recommend the combination of the feed vessel GF2000 with the level control system AS88-6 and the AF26 IR reflection based detector. The feed vessel can be fully sterilized. The glass vessel is mounted on an aquasant® POM holder on site or with a support rod. The automatic control of the feed vessel guarantees that the filling machine is constantly supplied with the product.

## Technical data



### Design

Glass cylinder including probe tip of AF26 IR sensor, tube connection for ventilation, inlet and outlet

### Installation

into aquasant® POM support arm 04.40.33.00\*

### Function

Glass feed vessel including two probe tip for min./max. level detection combined with IR-detector AF26 (opposite absorption area), lateral inlet- and outlet connections

### Handling

Connect respective silicone tubing and secure hose with clamp.

V1 Safety overfilling volume ca. 470 ml

V2 Working volume ca. 1700 ml

V3 Residual volume ca. 470 ml

Weight 605 g

Material Schott Duran 50 glass

### Connection

AF26 IR detector AS88/AS1/AS6

### Exhaust connection

Barb union connection 2 x Ø 5/10

### Silicon tubing

Ø10/15 ±0.5 mm, 60° ±5 Shore A

### Working pressure

Unpressurized, max. 1 bar

### Use in sterile-zone A

### Cleaning temperature

210 °C, max 10 min unpressurized (CIP/SIP) sterilizable- and autoclavable

### Label

Product number, serial number and Logo

### Packaging

Wrapped in foil, not sterile

## Function

Based on the law of refraction the IR-light beam is optically, totally reflected in a 90° glass cone in gas (angle of incidence  $\alpha$  is larger than the refracted angle  $\alpha_R$ ). Due to the twofold total reflection the IR-light beam is detected back at the receiver, which is interpreted as an empty signal.

If the probe tip is immersed into liquid the IR-light beam is no longer totally reflected at the surface and the beam passes into the liquid. Consequently if the IR-light beam is interrupted, detection of the full level is displayed.

### Conformity

Conformity evaluation procedure according to module A category I

CE conformity to EN 62061 category: 1 / EN ISO 13849 PL: a

ISO 9001:2015 CE1254

