



# Glass vessel

GF2000 2/2 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

Unto 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 470 ml

V2 Working volume 1700 ml

V3 Residual volume 470 ml

Weight 605 g

Material Schott Duran 50 glass

### Connection

AF26 IR detector AS88/AS1/AS6

### Exhaust connection

Barb union connection 2 x  $\varnothing$  6/10

### Silicon tubing

$\varnothing$ 10/15  $\pm$ 0.5 mm, 60°  $\pm$ 5 Shore A

### Working pressure

Unpressurized, max. 1 bar

### Use in sterile-zone A

### Cleaning temperature

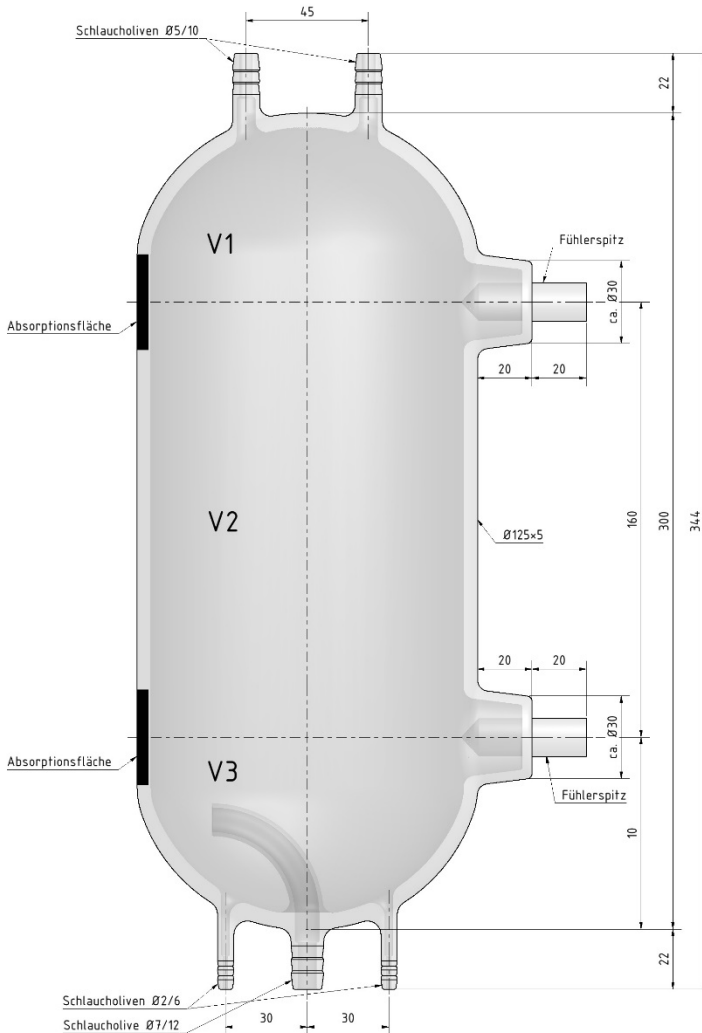
210 °C, max 10 min unpressurized (CIP/SIP) sterilizable- and autoclavable

### 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

