

#### Basic information

Nominal volume	60 ml
Working volume	20 – 40 ml
Excess operating pressure	300 bar and 700 bar
Operating temperature	up to 200°C max.
Material	Mat. no. 1.4435 (AISI 316L) for 300 bar Mat. no. 2.4602 (HC22) for 300 bar Mat. no. 1.4980 (AISI 660) for 700 bar

#### Autoclave locking

A union nut (M48 x 1.5 mm, width across flats 55) is used as flange lock.

#### Sealing

The autoclave vessel is doubly sealed: once in the upper section with an O-ring made of Viton, EPDM or Kalrez, and also below with a metal-to-metal medium seal (die ring).

#### Temperature sensor

One temperature sensor Pt100, type K or type N in the submerged tube to measure the medium temperatur.

phone  
fax  
internet  
e-mail

premex reactor ag  
industriestrasse 11  
ch-2543 lengnau/switzerland  
+41 (0)32 653 60 20  
+41 (0)32 653 60 25  
www.premex-reactorag.ch  
office@premex-reactorag.ch

# hpm

# VIEW



premex  
reactor ag®



# the autoclave

## vivor

hpm-v

The «vivor» makes do with just one fitting to perform a host of functions – shut-off valve, pressure gauge and burst disk safety device all in one. A submerged tube on the autoclave cover completes this small autoclave.

Compact and reasonably priced – those are the hallmarks of the «vivor», marking it a popular choice for a variety of uses in the laboratory. The little «vivor» can be used in oil thermostates, or on a hotplate with a stirrer drive and an internal magnetic stirring bar.



Prod. no.	07.491.00665	07.491.00666	07.491.00667
Mat. no.	1.4435	1.4980	2.4602
AISI	316 L	660	HC22
p bar	300	700	300
T °C	200	200	200

- 1 Shut-off valve or metering valve for gas supply and pressure relief
- 2 Pressure gauge (manometer)  $\varnothing$  64 mm, chemical design
- 3 Burst disk holder, fitted with burst disk
- 4 Submerged tube for temperature sensor underneath cover
- 5 Temperature sensor type Pt100, type K or type N
- 6 Union nut for locking, width across flats 55
- 7 Autoclave vessel
- 8 Autoclave cover

