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.

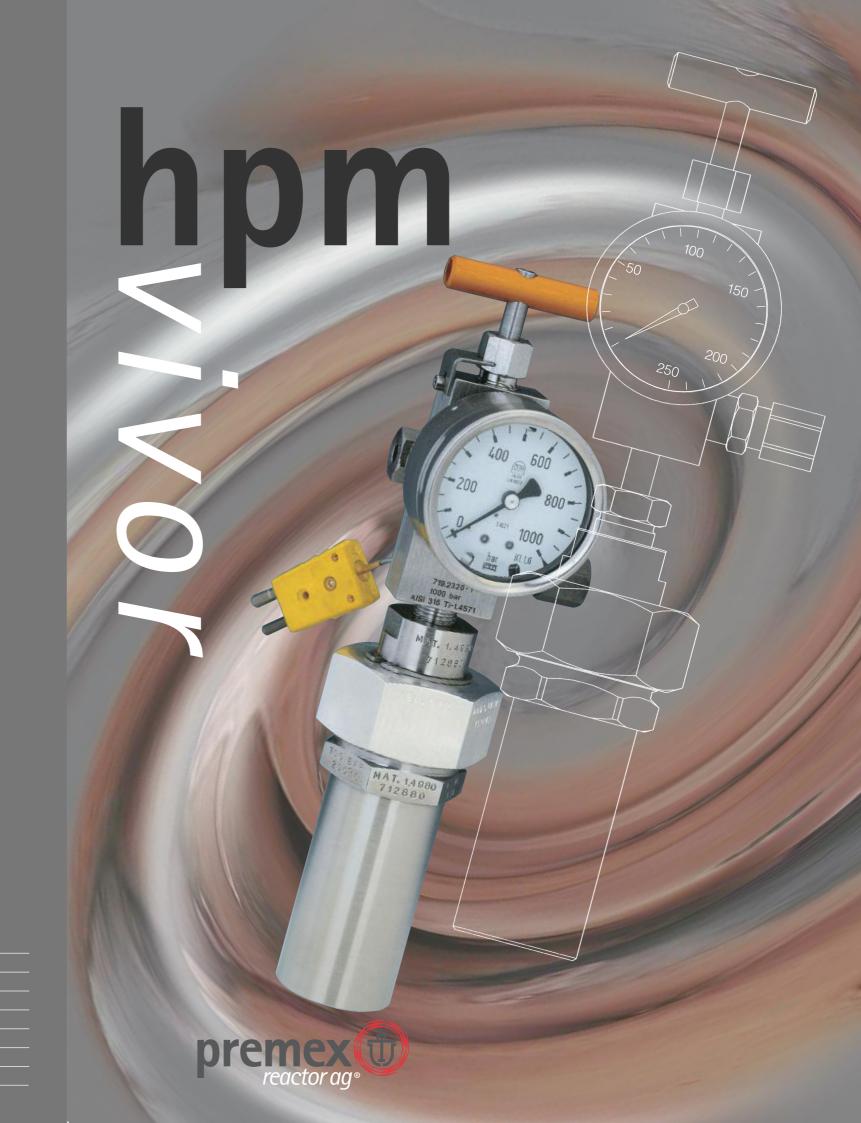
Sealing

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.

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1 Shut-off valve or metering valve for gas supply and pressure relief

2 Pressure gauge (manometer) ø 64 mm, chemical design

3 Burst disk holder, fitted with bursk 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

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.

