

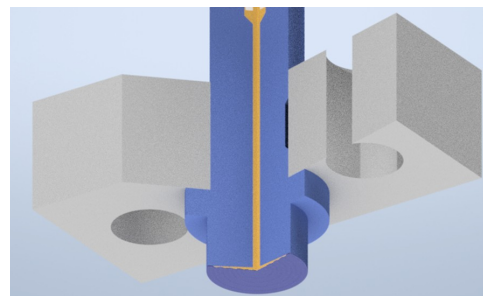
Chemical seal type H

Homogenizer type chemical seals

Chemical seals are used to prevent the measured medium from entering the measuring unit of the pressure gauge. It is used when measuring the pressure of solidifying, crystallising or hot liquids or where it is necessary to ensure that the system can be cleaned of product residues.

Homogenizer type is particularly suitable for use in production in the food industry.

Their characteristic feature is a small diaphragm and therefore they should be completed with manometers with minimized internal volume.



Material

- Diaphragm: stainless steel SS 316L / 1.4435 (on request another material)
- Body: stainless steel SS 316L / 1.4404

Working temperature

- Medium -20 ... +100 °C
- Ambient -20 ... +60 °C
- Other conditions on request

Basic type of homogenizer type chemical seals:

Type H25 - dimensioned according to model SA 335 / PN 600

Manometer

For assembly, it is necessary to use a manometer with minimized internal volume. There is no problem to use manometer DN 63. But when using the manometer DN 100, then is recommended to use a special manometer with measuring tube of smaller manometer DN 63 inside.



Minimum recommended range of the manometer:

Type of chemical seal	Nominal size of the manometer
H25	25 bar

Assembly with measuring instrument

The most frequent assembly of the chemical seal is with a manometer or by direct connection (thread). The internal parts of the chemical seal include a capillary, which serves to dampen pressure shocks. Homogenisers can vary in design from one manufacturer to another, even in basic dimensions.

The chemical seals are supplied either without or with a pressure beam and can be fixed with split rings that fit into the beam bore or with a beam with a milled U-groove. Some types of homogenisers are fixed with a swivel nut (e.g. model SA 308).

We can produce different types of homogenizer type chemical seals, just send us the dimensions.

