

DIAPHRAGM SEALS FLUSH WELDED FOR HOMOGENISING MACHINES



Diaphragm seals are used when measuring media due to high temperature, high viscosity (pasty media) or their tendency to crystallize the pressure measurement can falsify.

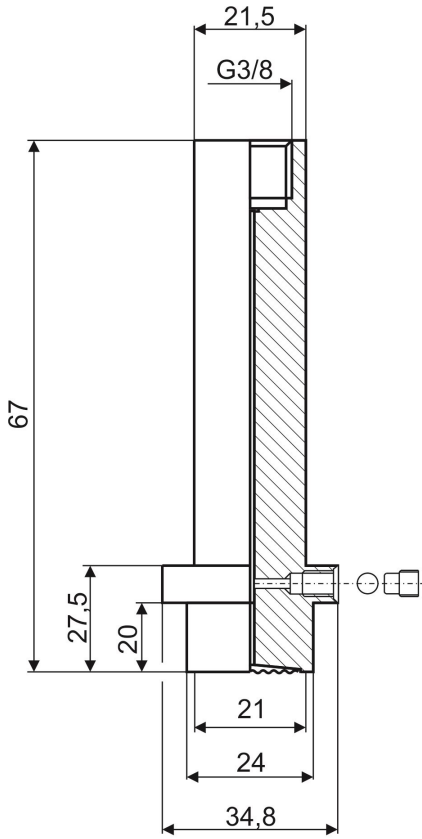
They transmit the process pressure to the pressure measuring device, with the diaphragm seal hermetically separating the medium and the measuring device.

Due to the process connection with clamping flange and the crevice-free, front-flush diaphragm, these diaphragm seals are particularly suitable for high pressures, e.g. in the pharmaceutical and food industries (production of emulsions).

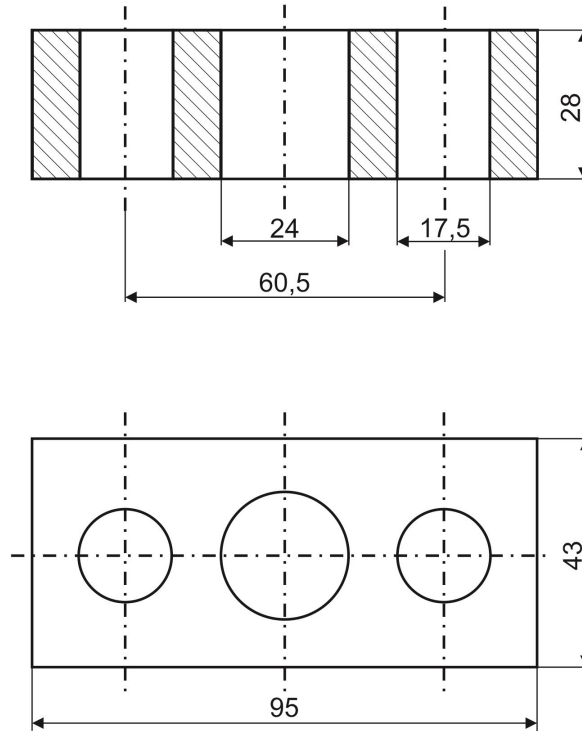


Type	1022	Options
Application	Pressure gauge 0...10 up to 0...600 bar, -1 /+9 bar, -1 /+24 bar	0...1000, 0...1600 bar
Version	With front flushed diaphragm	
Clamping flange	95 x 43 x 28 mm	without clamping flange
Diaphragm seal	Stainless steel 1.4435 (316L)	
Diaphragm	Stainless steel 1.4435 (316L)	
Diaphragm diameter	22 mm	
Process connection	Homogenising connection Ø23,8 mm, immersion depth 13 mm	
Effective membrane diameter	dM= 21 mm	
Nominal pressure	PN 600	
Device connection	G 3/8 female	Drilling d8 for welding with a pressure gauge with process connection d8x5, G1/4 others on request
Filling liquid	Glycerine	
More options	reinforced clamping flange clamping flange with 4 bores or union nut design in special dimensions	

Diaphragm seal



Clamping flange



Weight of this version approx. 0.21 kg

Important notes on the selection of chemical seals

The process pressure to be measured is transmitted from the diaphragm seal to the pressure measuring device with the aid of a liquid. For reasons related to the system and in order not to expose the measuring device to impermissibly high temperatures, the diaphragm seal and measuring device can be connected to one another via capillary lines (length up to a maximum of 15 m). The temperature gradient between the MSR device and the diaphragm seal can be several 100 ° C. As a result, temperature-related measurement errors are possible, which can be multiple of the accuracy of the measuring device.

Matching of the chemical seal and pressure measuring instrument therefore requires expertise, and we shall be pleased to assist you. We recommend you to request our special questionnaire on service conditions and order data.