

## Homogeniser Seal Type PSSHM

### Application.

Benney offers homogeniser diaphragm seals to suit most brands of homogeniser pumps (piston pumps). The seals have been specifically designed to withstand the pressure spikes typical of a high-pressure piston pump. A dampening device has been incorporated into the seal to protect both the instrument and the diaphragm from premature failure. Although the seal can be supplied without the dampening device this is not recommended. It is strongly recommended that the fitting and filling be done in our laboratory due to the complexity of the seal, dampening device and fill process. The seal can be supplied with either a clamping block, 1 1/4" retaining nut or screwed connections.



### Configuration.

Specialised Homogeniser seals fitted either direct to the pressure instrument or via capillary.

### Process Connection.

APV Style with clamp block  
APV Style with 1 1/4" BSPP nut  
Niro Style  
Alfa/Rannie Style  
Alfa Laval with 1 1/4" BSPP nut  
3/4" BSPT plug  
Tetra Pak Style

### Seal Construction.

316L Stainless Steel body standard with diaphragm welded directly into seal body.

### Diaphragm Materials.

316L stainless steel (Standard)  
Other materials available upon request.

### Maximum Pressure.

The maximum working pressure for this seal is as per the rating of associated machine's pipe-work and fittings.

### Instrument Connection.

3/8" BSPP female – only

### Diaphragm.

22mm diameter

### Zero Stability.

Stability will be affected by the instrument configuration, ambient temperature, process temperature, connection size (diaphragm size) and the measuring range. For temperature effects and instrument accuracy please contact us.

