

# Seam Tester

## Instruction Manual

**PFAFF** Industriesysteme und Maschinen AG

## **Description**

The seam tester is used for checking the permeability of materials and seams in the garment and the shoe industry (e.g. anoraks, ski-wear, surf- and diving suits, shoes and boots.)

## **Operation**

- Open valve at rubber ball
- Remove the plug screw and top up with distilled water through the hole on the pressure tank so that the water reaches the bottom edge of the hole.
- Close the valve at the rubber ball and carefully pump to increase pressure until the water just flows over the top edge of the hole.

## **Checking seam permeability**

- Place the work piece to be checked between the seal ring and the rotating pressure ring and bring the pressure ring firmly to bear on the work piece by the hand wheel.
- Set the required pressure (max. 1.0 bar) by pumping at the rubber ball; 0.1 bar equals a water column of 1 m.  
If the seam is in good order, the pressure will not decrease during measurement period. If the seam is not in good order/not water-tight or in case the material used is not suitable, water droplets will appear on the surface of the workplace.
- After checking, relax pressure of the seam tester by opening the valve.

## **Removing the screws**

- Before the seam tester is shipped, the top hole of the pressure tank is closed with the plug screw. This screw must be removed before using the tester for the first time and can be kept in the threaded hole in the stand.
- To empty the seam tester (e.g. when the distilled water is renewed) remove allen screw on the underside of the pressure tank and open valve.

