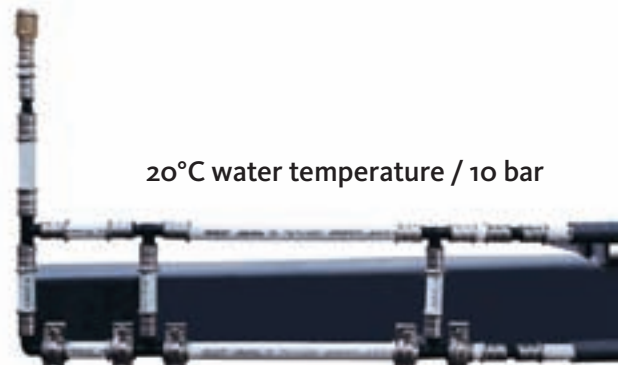


## 2 PRESS FITTINGS

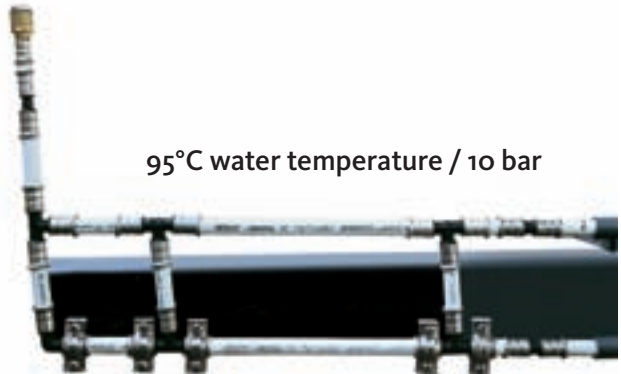
### 2.1.2 Power and flexibility of the Henco synthetic fittings (PVDF)

This test was carried out in the Henco laboratory. The brackets were deliberately fixed to the sleeves of the bottom fittings to make them a fixed point.

The first photograph shows us how the pipes and the fittings behave when water with a temperature of 20°C is flowing through. Nothing changes with the original test setup



The second photograph shows how the test setup responds when water at 95°C is pumped through the piping system. The setup leans in the direction of the flow. The T-pieces and the bend fitting accommodate the expansion forces. The test shows the force and flexibility of the Henco PVDF synthetic fitting.



### 2.1.3 Technical data

The most important PVDF data are:

Density	g/cm <sup>3</sup>	1,78
Elongation limit	MPa	54
Tensile strength	MPa	46
Elongation at rupture	%	80
Modulus of elasticity	MPa	2400
Flexural strength	MPa	74
Flexural modulus	MPa	2300
Melting point	°C	174
Thermal conductance at 23°C	W/m.K	0,19
Thermal stability	°C	380