

## Installation Instructions for Type 80

### 1. Protective covers

These serve to protect the beading sealing surface against mechanical damage and must only be removed directly prior to assembly. If removal for the purpose of inspection is necessary, the protective covers must subsequently be bolted tight.

**2. Welding, soldering and brazing** on the lined components is not permitted as this can damage the high-quality lining and give rise to the release of highly toxic gases.

**3.** The use of seals between PTFE/PTFE sealing faces is unnecessary. For connections to glass, ceramics, enamel and other components, an approximately 5 mm thick PTFE seal is recommended.

### 4. Installation

To prevent deformation of the sealing faces through overtightened bolts, the following torques should be referred to as a guide during assembly. (The values apply to flanged joints up to PN 25 for bolts with lubricated thread.)

The bellow must not be painted or insulated.

### 5. Painting / Insulation

The compensator bellows must not be insulated or painted. Splash protection covers must be fitted so that heat accumulation in the area of the bellow is avoided through heat transmission.

### 6. Commissioning

After reaching operating temperature, the flange connections should be retightened with the specified torque. In case of leakages, the flange connections must be checked for parallelism or soiling or damage of the sealing face. Minor indentations or damage can be removed with emery cloth.

### 7. Installation of compensators

In addition to the aforementioned, the tie rods must not be removed after adjustment to maximum expansion or after installation.

## Flange connection dimensions according to DIN 2501

DN	PN 10			PN 25		
	Quantity	Thread	Md NM	Quantity	Thread	Md NM
20	4	M 12	10	4	M 12	10
25	4	M 12	20	4	M 12	20
32	4	M 16	30	4	M 16	30
40	4	M 16	40	4	M 16	40
50	4	M 16	50	4	M 16	50
65	4	M 16	70	8	M 16	40
80	8	M 16	40	8	M 16	40
100	8	M 16	40	8	M 20	50
125	8	M 16	50	8	M 24	80
150	8	M 20	60	8	M 24	90
200	8	M 20	90	12	M 24	100
250	12	M 20	60	12	M 27	120
300	12	M 20	70			
350	16	M 20	110			
400	16	M 24	160			
500	20	M 24	180			
600	20	M 27	240			
700	24	M 27	260			