

## Pressure Load

For immersion tubes and protection tubes

The pressure load capacity of immersion tubes and protection tubes directly depends on the actual application. Here, the static and dynamic loads, the media temperature and other factors need to be taken into account. We ask you to understand that SIKA, without knowing exact technical detail, can specify only non-binding pressure loads as a general guideline. The responsibility for correct dimensioning is up to the technical planner of the respective plant.

### Immersion tubes, directly installed in media

Immersion tube material	max. pressure load
Brass, brazed	16 bar
Steel, welded	35 bar
Stainless steel, welded	35 bar
Special brass (Seewater resistant) or CuNi30Fe (Seewater resistant)	16 bar

At higher pressure loads, protection tubes must be used.

### Protection tubes according to DIN 43772

Protection tubes made from several parts (brazed or welded), SIKA type Ei or Ea  
Max. pressure load: 35 bar

Solid material protection tubes (turned from one part), for screwing-in, SIKA type Gi or Ga  
Max. pressure load: 100 bar

Solid material protection tubes (turned from one part), for welding-in, SIKA type BS, CS or D  
Max. pressure load: 400 bar

Please note - the values are only approximate values, refer to static pressures and can only be guaranteed if each immersion tube/protection tube has been tested and certified by an additional pressure test certificate to EN 10204-3.1.