

## Glass piping for experimental hall and production



Glass parts



bellows, spacers



backing flanges

### Characteristics:

- corrosion resistant, all product contacting parts are exclusively PTFE or borosilicate glass 3.3
- compatible KF- and SPF-components according to DIN 3587
- **NORMAG**-flange design with minimized dead space and leakage rate
- individual PED 97/23EG-conform code of glass parts
- TA-Luft certification ensuring a high quality connection with very low leakage rates
- diameters from 15 NB to 600 NB
- backing flange connection up to 300 NB made of plastic, stainless steel or in a special small flange design
- backing flange connection from 400 NB up to 600 NB made of coated aluminium oxyde or stainless steel flanges

### Optional:

- FDA-material certification according to 21 CFR § 177.1550 for PTFE-components
- transparent coating with or without electrical conductivity with the advantage of UV-consistency and increased solvent resistance
- special parts or –dimensions in accordance with customer requirements
- enhanced temperature resistance in case of use of modified PTFE and other gasket materials
- electrical conductive PTFE-components with or without earthing connections according to ATEX-requirements
- special small and light flange connection system up to 150 NB
- special components for pharma applications, for example with minimised number of flange connections and complete draining
- Adapter flange connection system to former Corning flanges



quality inspection



dead-space minimised tooling

**types:**

- pipe sections, borosilicate glass 3.3
- bends
- T-pieces, Y-pieces, X-pieces
- reducers, straight and eccentric
- hose connections
- blind flanges
- jacketed pipes
- spacers made of glass, stainless steel cored PTFE spacers
- flexible gaskets for angles up to 3°

**flange systems & dimensions:**

- SCHOTT-flange system (KF)
- safety plan flange system (SPF)
- dimensions from 15 NB up to 600 NB

**flange and connection systems:**

	15 NB	25 NB	40 NB	50 NB	80 NB
flange system	KF SPF	KF SPF	KF SPF	KF SPF	KF SPF
connection	- plastic - stainless - small flange	- plastic - stainless - small flange	- plastic - stainless - small flange	- plastic - stainless - small flange	- plastic - stainless - small flange

	100 NB	150 NB	200 NB	225 NB	300 NB
flange system	KF SPF	KF SPF	KF	SPF	KF SPF
connection	- plastic - stainless - small flange	- plastic - stainless - small flange	- plastic - stainless	- cast - stainless	- cast - stainless

	400 NB	450 NB	600 NB
flange system	KF	KF SPF	KF SPF
connection	- cast - stainless	- cast - stainless	- cast - stainless

**certificates:**



TA-Luft



PED 97/23 EG



FDA 21 § 177