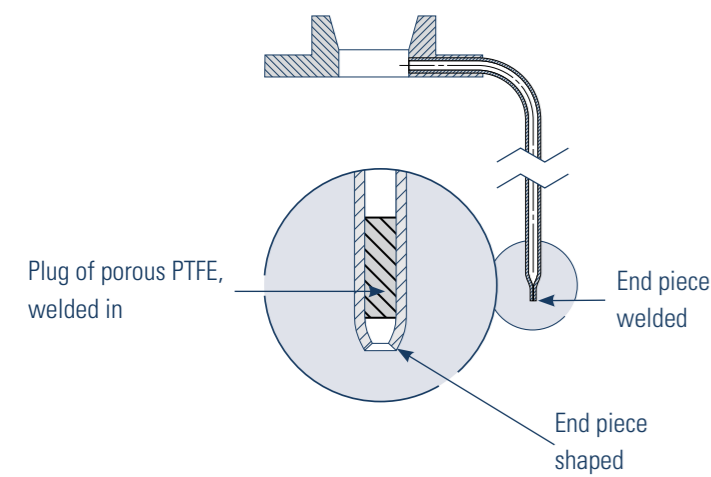


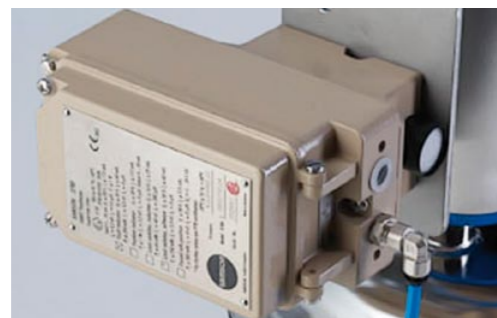
Gap free design for all applications:

Food, Chemical and Pharmaceutical Industry

The universal solution is the bellow and stuffing box — design, which meets the requirements to TA-Luft. The new valve is easy to clean and has a reduced dead space between bellow and housing in order to avoid product entrapment in that area.



Düker bottom outlet valves can be equipped with bellow failure detector, positioner, limit switch and other accessories.



A stainless steel lifting device, adjustable to all diameters, simplifies fitting and dismantling the valve to the vessel.

GLASS LINING TECHNOLOGIES

GLASS LINING TECHNOLOGIES

- JOBGING FOUNDRY
- FITTINGS AND VALVES
- DRAINAGE TECHNOLOGY
- ENGINEERING



Glass lined GMP Bottom outlet valves

The new generation of gap free designed valves

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More safe. More clean. More effective.

Düker innovations are characterized by low maintenance and good cleanability.

For the new generation the number of convolutions in the bellow has been reduced to 6 which reduces the risk of product entry or crystallization and improves the cleanability.

The most explicit change is due to a unique sealing system!

The right O-Ring (4, 5 or 6 mm) will be selected with the check gauge. This O-Ring has to be put in the raised edge of the "sealing cap" before the "valve seat" will be placed in the nozzle. The additional insert of the valve seat causes that the "sealing cap" with the O-Ring will be pressed on the nozzle wall and ensures a gap free sealing.

Designed in accordance to DGRL 97/23/EG PED, Category II, Module A1 with CE marking and declaration of conformity.

Designed in accordance to TA-Luft with bellow, safety packing and connection thread for bellow monitoring.



- Seal with valve seat and sealing cap towards the glass lined vessel nozzle (no product entry or crystallization behind the valve seat)
- Valve seat (PFA) with stainless steel core and integrated gaskets (better stability with high temperatures)
- New bellow of TFM1600 (6 convolution bellow and seal with PTFE-encapsulated O-ring)
- Replaceable PT100 (without dismantling the valve)
- Actuator made of electro-polished stainless steel with emergency opening
- Stainless steel covering of the head piece against dirt
- Flushing nozzle provided as standard
- Easy assembly with lifting device
- Limit switch by NAMUR



Versions: Lateral actuator for vessels with small space

Functional solution against dead spaces

The new sealing cap can be used for all Düker bottom outlet valves to avoid the gap between the glass lined vessel nozzle and the valve seat. In addition large tolerances can be eliminated.

Attention: Make sure that the sealing cap do not reach behind the radii of the vessel nozzle.

- sealing cap with O-rings in different diameters to eliminate tolerances
- bellow with PTFE-encapsulated o-ring
- the sealing cap is to be used at pressures from -1 to 6 bar at temperatures from -20 to 200 °C



Check gauge to find out the right O-Ring.

