

Safety instructions**Intended use**

The fitting to be built into pipe conduits to allow the inspection of liquids.

General notes**NOTICE - observe the operating instructions**

To avoid danger and damage, the fitting must be used in accordance with the safety instructions and technical data contained in the operating instructions.

General safety instructions**WARNING****Danger of injury due exceeding the operating pressure**

If the maximum permissible working pressure is exceeded, accident hazard due to bursting of the glass cylinder or discharge of liquids into the atmosphere is possible.

- In order to avoid excess pressure install over-pressure protections.
- The fitting position has to be chosen in such a way as to exclude danger of accident. In order to prevent accident hazards, provide appropriate protective devices.

**WARNING****Risk of injury by outflowing medium**

Dismantling the valve or valve assemblies from the plant can cause injuries.

- Carry the disassembling only if when the plant has been rendered pressure-less and free of liquid and gas.

General welding guidelines

Sealing elements integrated in weld components must generally be removed prior to welding. To prevent damage, welding should be undertaken by certified personnel (EN ISO 9606-1). Use the TIG (Tungsten Inert Gas) welding process.

**CAUTION****Damage and injuries due to high temperature supply**

To avoid a distortion of the components, all welding parts must be welded to stress-relieved.

Allow all components to cool before assembling.

**NOTICE****Damage due to impurities**

Impurities can cause damage to the seals and seals area.

Clean inside areas prior to assembly.

Technical data

Model	Inline module
Valve size	DN 25 - DN150 OD 1" - OD 4"
Connection type	Weld-on end DIN EN 10357
Operating pressure	16 bar
Temperature range	
Operation	+0° to +95°C (medium dependent)
Sterilization	EPDM +140°C (SIP 30 min)

Materials in product contact

stainless steel	AISI316L
Surface	Ra ≤ 0,8µm
Sight glass	Borosilicate
Seal	EPDM

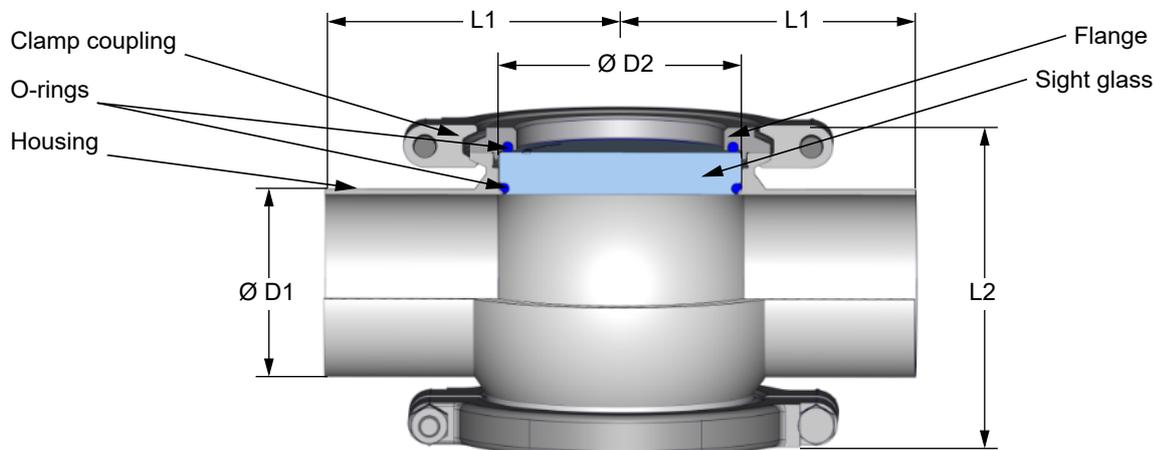
Disassembly and assembly**Disassembly**

- Unscrew the clamp coupling.
- Remove flanges, O-rings and sight glasses from the housing.

Assembly

- Before installation, thoroughly clean and slightly lubricate mounting areas and running surfaces.
- Assemble in reverse order.

Drawings and dimensions



	DN	25	40	50	65	80	100	125	150
	OD	1	1½	2	2½	3	4	-	-
D1	DN	Ø29x1,5	Ø41x1,5	Ø53x1,5	Ø70x2	Ø85x2	Ø104x2	Ø129x2	Ø154x2
	OD	Ø25.4x1.65	Ø38,1x1,65	Ø50,8x1,65	Ø63,5x1,65	Ø76,2x1,65	Ø101,6x2	-	-
D2		Ø 50		Ø 68					
L1		62.5	82.5	82.5	92.5	92.5	92.5	117.5	107.5
L2		64	76	88	104	119	138	163	188

Spare parts list

Nominal width DN / OD	Housing	Clamp coupling	Sight glass	Flange	O-ring
	1.4404	1.4301	Borosilicate	1.4404	EPDM
25	7100025001-041	7100025005-021	7100025009-073	7100025007-040	2304042030-170
1	7100026001-041				
40	7100040001-041	7100150005-021	7100150009-073	7100150007-040	2304060030-170
1½	7100038001-041				
50	7100050001-041				
2	7100051001-041				
65	7100065001-041				
2½	7100064001-041				
80	7100080001-041				
3	7100076001-041				
100	7100100001-041				
4	7100101001-041				
125	7100125001-041				
-	7100127001-041				
150	7100150001-041				
-	7100152001-041				

All data are in line with the current state of development. Subject to change as a result of technical progress.