

Field of Application

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



ATTENTION

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

Safety Instructions



DANGER

- 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 overpressure 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.
- Dismantling the valve or valve assemblies from the plant can cause injuries from fluids or gases flowing out. Dismantle the valve or valve assembly only when the plant has been rendered pressure-less and free of liquid and gas.

Function

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

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 (EN287).
- Use the TIG (tungsten inert gas) welding process.



NOTE

Impurities can cause damage to the seals. Clean inside areas prior to assembly.

Installation instructions

The installation position is without import. External forces due to the installation must always be avoided.

Disassembly and assembly

Disassembly

- Unscrew the nut (2).
- Dismount the sliding ring (3), the pressed hard glass (4) and the seal (5).

Assembly

- Thoroughly clean and slightly lubricate mounting areas and running surfaces.
- Assemble in reverse order.



Lubricants

EPDM; Viton®; K-flex
NBR; HNBR; Silicone
Thread

Klüber Paraliq GTE 703
Klüber Paraliq GB 363
Teflongrease Interflon

Technical data

Model:	Sight glass
Valve size:	DN 25 - 250
Connection:	Welding end DIN EN 10357
Temperature:	+95°C medium dependent +130°C (sterilisation) cyclic
Operating pressure:	see table 1

Material:	in product contact	not in product contact
Stainless steel:	1.4301 AISI304 1.4404 AISI316L	1.4301 AISI304
Surfaces:	RA 0,8µm	RA 1,5 - 2,5µm E-polished
Bullet-proof glass:	Pressed hard glass	-
Seals:	NBR	PTFE

Dimensions

DN	Dimensions						Operating pressure (bar)
	d1	d2	L1	L2	B	S	
25	Ø29x1,5	Ø26	87	43,5	100	8	20
32	Ø35x1,5	Ø33	93	46,5	110	8	12
40	Ø41x1,5	Ø38	100	50	120	8	12
50	Ø53x1,5	Ø50	116	58	140	8	12
65	Ø70x2	Ø66	142	71	160	10	10
80	Ø85x2	Ø81	170	80,5	180	10	6
100	Ø104x2	Ø100	192	96	200	12	8
125	Ø129x2	Ø125	257	128,5	375	15	7
150	Ø154x2	Ø150	290	145	450	15	5
200	Ø204x2	Ø150	340	170	450	15	5
250	Ø254x2	Ø150	390	195	450	15	5

Measures in mm

Tab.1

Spare parts list

Article-No.		Item 1 Housing 1.4301/1.4404	Item 2 Nut DIN11851 (2x) 1.4301	Item 3 Sliding ring (2x) PTFE	Item 4 Bullet-proof glass (2x) Pressed hard glass	Item 5 Seal DIN11851 (2x) NBR
7005 025 000-021	E-polished	7005 025 001-021	7001 025 002-021	8040 052 026-053 ø52xø26x1	7002 025 000-072 ø42x8	2004 025 000-056
7005 025 000-022	mat	7005 025 001-022				
7005 025 000-041	E-polished	7005 025 001-041				
7005 025 000-042	mat	7005 025 001-042				
7005 032 000-021	E-polished	7005 032 001-021	7001 032 002-021	8040 058 032-053 ø58xø32x1	7002 032 000-072 ø48x8	2004 032 000-056
7005 032 000-022	mat	7005 032 001-022				
7005 032 000-041	E-polished	7005 032 001-041				
7005 032 000-042	mat	7005 032 001-042				
7005 040 000-021	E-polished	7005 040 001-021	7001 040 002-021	8040 065 038-053 ø65xø38x1	7002 040 000-072 ø54x8	2004 040 000-056
7005 040 000-022	mat	7005 040 001-022				
7005 040 000-041	E-polished	7005 040 001-041				
7005 040 000-042	mat	7005 040 001-042				
7005 050 000-021	E-polished	7005 050 001-021	7001 050 002-021	8040 078 050-053 ø78xø50x1	7002 050 000-072 ø66x8	2004 050 000-056
7005 050 000-022	mat	7005 050 001-022				
7005 050 000-041	E-polished	7005 050 001-041				
7005 050 000-042	mat	7005 050 001-042				
7005 065 000-021	E-polished	7005 065 001-021	7001 065 002-021	8040 095 066-053 ø95xø66x1	7002 065 000-072 ø84x10	2004 065 000-056
7005 065 000-022	mat	7005 065 001-022				
7005 065 000-041	E-polished	7005 065 001-041				
7005 065 000-042	mat	7005 065 001-042				
7005 080 000-021	E-polished	7005 080 001-021	5091 065 006-021	8040 110 081-053 ø110xø81x1	7002 080 000-072 ø99x10	2004 080 000-056
7005 080 000-022	mat	7005 080 001-022				
7005 080 000-041	E-polished	7005 080 001-041				
7005 080 000-042	mat	7005 080 001-042				
7005 100 000-021	E-polished	7005 100 001-021	7001 100 002-021	8040 130 100-053 ø130xø100x1	7002 100 000-072 ø117x12	2004 100 000-056
7005 100 000-022	mat	7005 100 001-022				
7005 100 000-041	E-polished	7005 100 001-041				
7005 100 000-042	mat	7005 100 001-042				
7005 125 000-021	E-polished	7005 125 001-021	7001 125 002-021	8040 160 125-053 ø160xø125x1	7002 125 000-072 ø147x15	2004 125 000-056
7005 125 000-022	mat	7005 125 001-022				
7005 125 000-041	E-polished	7005 125 001-041				
7005 125 000-042	mat	7005 125 001-042				
7005 150 000-021	E-polished	7005 150 001-021	7001 150 002-021	8040 190 150-053 ø190xø150x1	7002 150 000-072 ø173x15	2004 150 000-056
7005 150 000-022	mat	7005 150 001-022				
7005 150 000-041	E-polished	7005 150 001-041				
7005 150 000-042	mat	7005 150 001-042				
7005 200 000-021	E-polished	7005 200 001-021	7001 150 002-021	8040 190 150-053 ø190xø150x1	7002 150 000-072 ø173x15	2004 150 000-056
7005 200 000-022	mat	7005 200 001-022				
7005 200 000-041	E-polished	7005 200 001-041				
7005 200 000-042	mat	7005 200 001-042				
7005 250 000-021	E-polished	7005 250 001-021	7001 150 002-021	8040 190 150-053 ø190xø150x1	7002 150 000-072 ø173x15	2004 150 000-056
7005 250 000-022	mat	7005 250 001-022				
7005 250 000-041	E-polished	7005 250 001-041				
7005 250 000-042	mat	7005 250 001-042				

