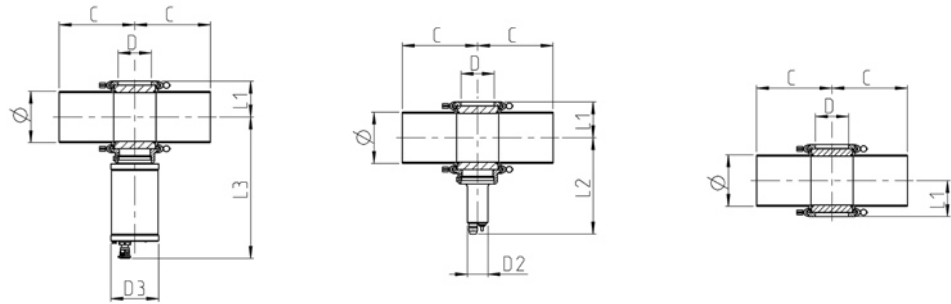




Sight glasses inserted into the VARINLINE® housings or into the housing connection flange are used for visual monitoring of the product. In case of optically dense products in pipelines, an illumination device is recommended to be used with the sight glass.

Technical data		
Material in contact with the product	Borosilicate glass, thermally hardened	
Material not in contact with the product	1.4301/AISI 304	
Seal material in contact with the product	EPDM, FKM, HNBR	
Temperature resistance	-5 to 180 °C	
Shock-resistant	Up to Δt approximately 140° C	
Product pressure	25 bar (362.6 psi)	
Surface in contact with the product	DN, OD, ISO IPS	Ra ≤ 0.8 μm Ra ≤ 1.2 μm
External housing surface	Matte blasted	
Connection fittings	Welding end	
Technical data of the LED sight glass illumination		
Connection voltage	24 V AC/DC	
Burning output nominal	2 W	
Luminaire	LED-use with 20 LEDs	
Protection class	IP65, ATEX variant IP67	
Installation space	Insertion flange for VARINLINE® process connection	
ATEX	Ex II 2 g + D Explosion groups IIC / IIIC Temperature class G / D - T6 / T80 °C Ignition protection type Ex d IIC Gb, Ex t IIIC Db IP67	



		Pipe	Housing	Sight glass		Illumination		Illumination ATEX	
Nominal width	Process connection	Ø [mm]	C [mm]	D [mm]	L1 [mm]	D2 [mm]	L2 [mm]	D3 [mm]	L3 [mm]
DN 25	F	29.0 × 1.5	90.0	38	30.00	34	130	77	203
DN 40	N	41.0 × 1.5	90.0	55	36.00	34	136	77	209
DN 50	N	53.0 × 1.5	90.0	55	42.00	34	142	77	215
DN 65	N	70.0 × 2.0	125.0	55	50.00	34	153	77	226
DN 80	N	85.0 × 2.0	125.0	55	57.50	34	160	77	233
DN 100	N	104.0 × 2.0	125.0	55	67.00	34	165	77	243
DN 125	N	129.0 × 2.0	125.0	55	79.50	34	180	77	255
DN 150	N	154.0 × 2.0	150.0	55	92.00	34	195	77	268
OD 1"	F	25.4 × 1.6	90.0	38	28.00	34	128	77	201
OD 1 ½"	N	38.1 × 1.6	90.0	55	34.50	34	135	77	207
OD 2"	N	50.8 × 1.6	90.0	55	40.75	34	141	77	214
OD 2 ½"	N	63.8 × 1.6	125.0	55	47.00	34	150	77	223
OD 3"	N	76.2 × 1.6	125.0	55	53.50	34	157	77	229
OD 4"	N	101.6 × 2.0	125.0	55	65.75	34	169	77	242
IPS 2"	N	60.3 × 2.0	114.3	55	45.50	34	146	77	218
IPS 3"	N	88.9 × 2.3	152.4	55	59.50	34	163	77	235
IPS 4"	N	114.3 × 2.3	152.4	55	72.00	34	175	77	248
IPS 6"	N	168.3 × 2.7	152.4	55	98.00	34	201	77	274
ISO 33.7	F	33.7 × 2.0	114.3	38	32.00	34	132	77	205
ISO 42.4	N	42.4 × 2.0	114.3	55	36.25	34	136	77	209
ISO 48.3	N	48.3 × 2.0	114.3	55	39.25	34	141	77	212
ISO 60.3	N	60.3 × 2.0	114.3	55	45.50	34	146	77	218
ISO 76.1	N	76.1 × 2.0	114.3	55	53.50	34	157	77	229
ISO 88.9	N	88.9 × 2.3	152.4	55	59.50	34	163	77	235
ISO 114.3	N	114.3 × 2.3	152.4	55	72.00	34	175	77	248

Position	Description of the order code			
1	VARINLINE® system			
	TXIA	VARINLINE® sight glass		
2	Process connection			
	F			
	N			
	G			
3	Installation in VARINLINE® component			
	–	Without VARINLINE® housing or flange		
	T	VARINLINE® housings		
	TT	VARINLINE® housing connection type T		
	TT-S	VARINLINE® housing connection type T-S		
	TU	VARINLINE® housing connection type U		
	TU-S	VARINLINE® housing connection type U-S		
4	Nominal width			
	DN 25	OD 1"		
	DN 40	OD 1 ½"		ISO 33.7
	DN 50	OD 2"	IPS 2"	ISO 42.4
	DN 65	OD 2 ½"		ISO 48.3
	DN 80	OD 3"	IPS 3"	ISO 60.3
	DN 100	OD 4"	IPS 4"	ISO 76.1
	DN 125			ISO 88.9
	DN 150		IPS 6"	ISO 114.3
5	Seal material			
	1	EPDM (FDA)		
	2	FKM (FDA)		
	3	HNBR (FDA)		
	4	FFKM (FDA)		
	5	PTFE (FDA)		
6	Surface quality of the housing			
	1	Inside Ra ≤ 1.2 µm, outside matte blasted (IPS)		
	2	Inside Ra ≤ 0.8 µm, outside matte blasted (DN, ISO, OD)		
7	Illumination			
	K	Without illumination		
	L	LED illumination, 24 V, 2 W, 2 m cable		
	M	LED illumination, 24 V, 2 W, 20 m cable		
	X	ATEX illumination LED, 24 V, 2 W		
8	Certificates			
	K	Without certificate		
	M	Test report and inspection certificate EN 10204 – 2.2 and 3.1		
	W	Test report EN 10204 – 2.2		
	Z	Inspection certificate EN 10204 – 3.1		
9	Language of the documentation			
	D	German		
	E	English		
10	Number of documentation			
	1	Single documentation		
	...	The number of documentations corresponds to their entered number		
11	Connection fittings			
	N	Welding end		
12	Options			
	See section options			

The code is composed as follows, depending on the chosen configuration:

Position	1	2	3	4	5	6	7	8	9	10	11	12
Code	TXIA		-								N	

For order codes differing from the standard version, please refer to section 7 (options).