SMS valves and accessories

Model 61421 In-line sight flow indicator, plain ends 304L or 316L stainless steel

Specifications

Dimensions: DN25 to DN104 (1" to 4")

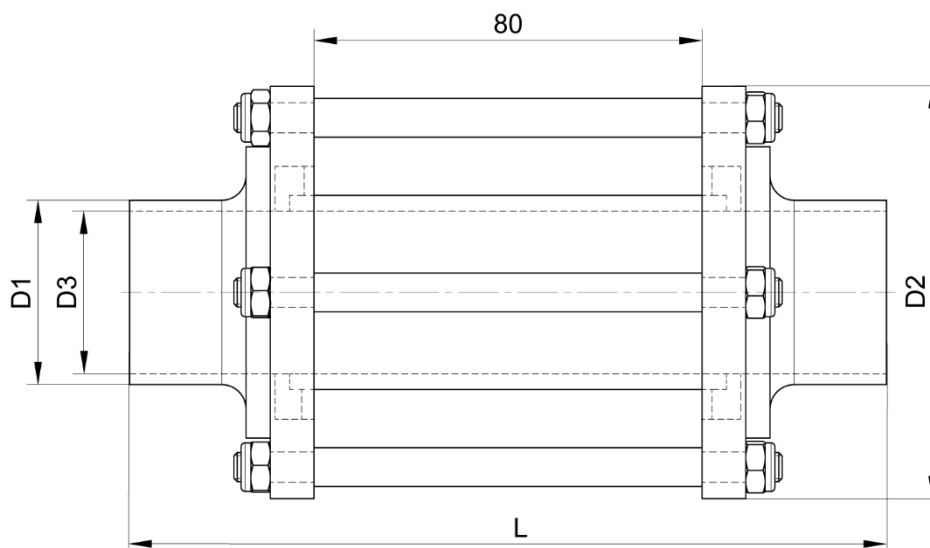**Connections:** plain ends for welding

Max. Allowable Pressure: 10 bar

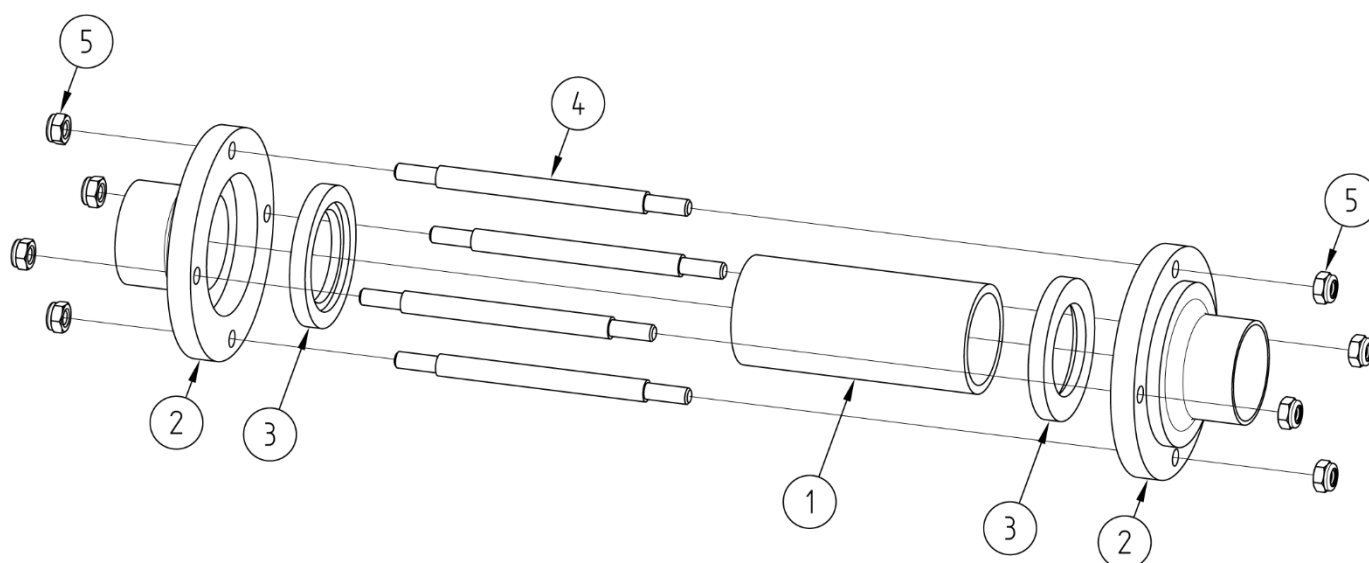**Max. Temperature:** +130°C

Material: 304 or 316L stainless steel

Pyrex® Glass

EPDM gaskets

On request: FKM gaskets

V1121

DN	NB	D1	D2	D3	L	Weight	Part number	Part number
(mm)	(inches)	(mm)	(mm)	(mm)	(mm)	(kg)	SS 304	SS 316L
25	1"	25	79	22.5	148	0.80	261421-25	661421-25
38	1"1/2	38	85	35.4	156	0.80	261421-38	661421-38
51	2"	51	105	48.0	160	0.90	261421-51	661421-51
63	2"1/2	63.5	112	60.2	160	1.20	261421-63	661421-63
76	3"	76.1	125	72.0	162	1.40	261421-76	661421-76
104	4"	104	157	100.0	168	2.90	261421-104	661421-104

N°	Part Name	Material
1	GLASS	PY REX®
2	PLAIN END FLANGE	AISI 304 / AISI 316L
3	GASKET	EPDM
4	SPACER	AISI 304
5	LOCK NUT	A2-70

Assembly and maintenance instructions

You can use the in-line sight flow indicator to visually check fluid is present in piping.

Installation

You can install the indicator in any position.

Before assembly, clean the installation and check that the equipment is clean and free from foreign bodies that could damage the indicator.

Check that all piping is perfectly aligned and that the piping support structure is dimensioned so that the indicator is not subject to any external stresses.

The piping support structure must only support the pipes, not the indicator.

Pressure test the installation according to the relevant standards (e.g. EN 12266-1), but do not exceed the indicator's specifications.

You may need to change some of the indicator's parts due to wear and tear, or if a fluid has damaged the indicator's gaskets or glass.

If this is the case see the "Assembly / Disassembly" section below.

Assembly / Disassembly

The maintenance and removal/installation of the indicator must be carried out by personnel who are qualified and trained for this type of intervention.

⚠️ Warning: Before you work on the indicator, check that the installation has been stopped and that the piping is empty and is not pressurised.
Warning: If the indicator is used with fluids that have a temperature above 60°C then people could burn themselves if they touch the indicator.
Warning: Beware of hazardous materials - follow the instructions provided by the suppliers.

Remove the 4 lock nuts **5** on one side of the indicator.

Separate the plain end flange **2** from its gasket **3**, then carefully remove the Pyrex® glass **1**.

Remove the 4 lock nuts **5** holding the other plain end flange **2** and move the 4 spacers **4** out of the way.

Remove the worn gaskets **3** from the plain end flanges **2** and replace them, if necessary.

Check that the assembly is not leaking before you put the installation back into service.

In-line sight flow indicator accessories

Here is a list of all of our in-line sight flow indicator accessories, as well as a table that shows the corresponding accessory part numbers for each DN.

Model **61420** (part n°**3**): EPDM gasket for an in-line sight flow indicator (FKM gasket on request)
Model **61424** (part n°**1**): Replacement Pyrex® glass
Model **61425**: Protective grid for an in-line sight flow indicator - 304 stainless steel

DN (mm)	NB (inches)	Part number Replacement glass	Part number Protectiv e grid	Part number Replacement gasket
25	1"	961424-25	261425-25	961420-25
38	1"1/2	961424-38	261425-38	961420-38*
51	2"	961424-51	261425-51	961420-51
63	2"1/2	961424-63	261425-63	961420-63
76	3"	961424-76	261425-76	961420-76
104	4"	961424-100	261425-100	961420-100

961420-38 is compatible with in-line sight flow indicators ordered before 2020.
961420-38-2 is compatible with in-line sight flow indicators ordered after 2020.

Standards and compliance

- This in-line sight flow indicator complies with EC Directive 1935/2004.