

CLAMP valves and accessories

In-line sight flow indicator, clamp ends - 316L stainless steel

Model 63461 $Ra \leq 0.8 \mu m$

Model 63462 $Ra \leq 0.4 \mu m$



Specifications

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

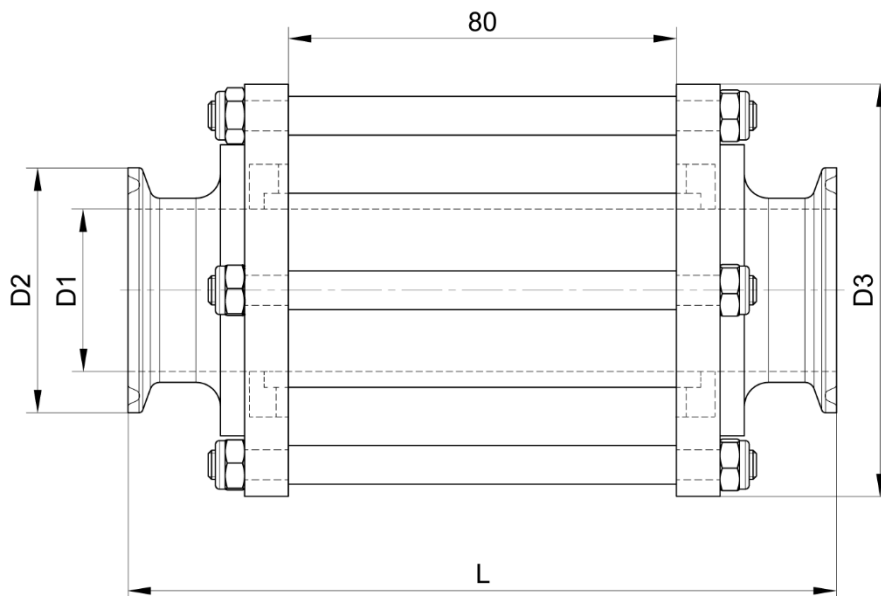
Connections: clamp ends

Max. Allowable Pressure: 10 bar

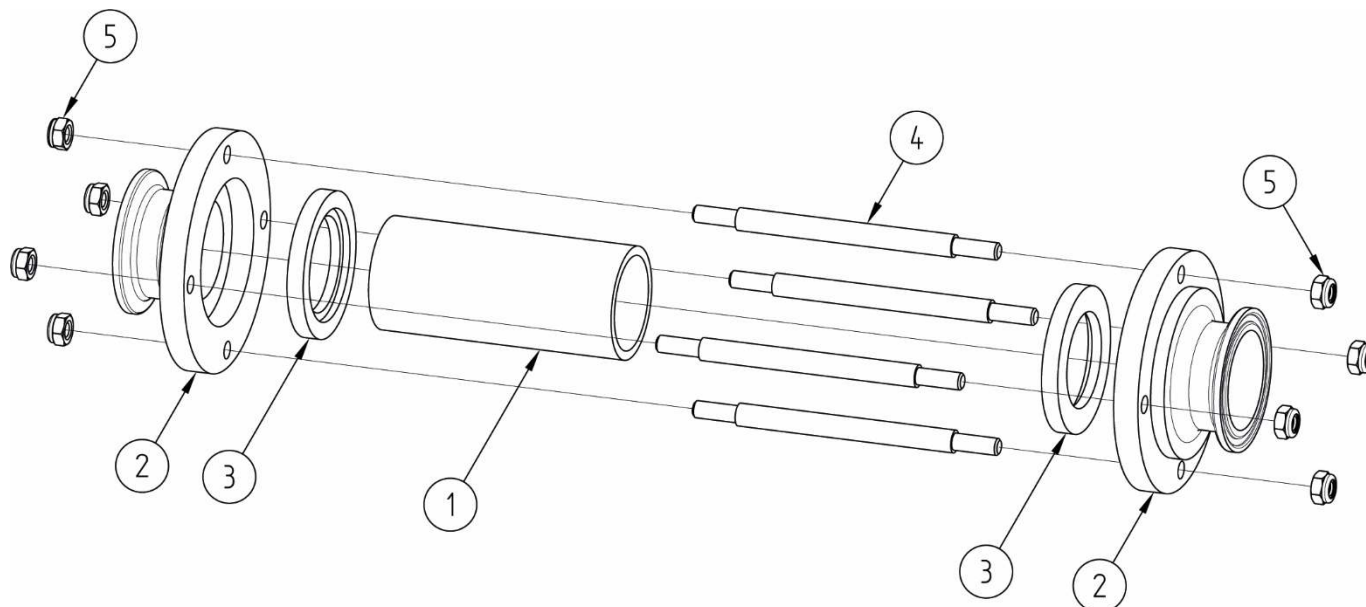
Max. Temperature: +130°C

Material: 316L stainless steel EPDM gaskets
Pyrex® Glass

On request: FKM gaskets



DN (mm)	NB (inches)	D1 (mm)	D2 (mm)	D3 (mm)	L (mm)	Weight (kg)	Part number Ra≤0.8µm	Part number Ra≤0.4µm
25	1"	22.5	50.5	79	143	0.60	663461-25	663462-25
38	1"1/2	35.4	50.5	85	146	0.90	663461-38	663462-38
51	2"	48.0	64.0	105	150	1.16	663461-51	663462-51
63	2"1/2	60.2	77.5	112	203	1.22	663461-63	663462-63
76	3"	72.0	91.0	125	205	1.40	663461-76	663462-76
104	4"	100.0	119.0	157	209	3.30	663461-104	663462-104



N°	Part Name	Material
1	GLASS	PY REX®
2	CLAMP END FLANGE	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 it.

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

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

Remove the worn gaskets **3** from the clamp 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 in-line sight flow indicator - 304 stainless steel

NB (mm)	NB (inches)	Part number Replacem entglass	Part number Protective grid	Part number Replacem ent 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.