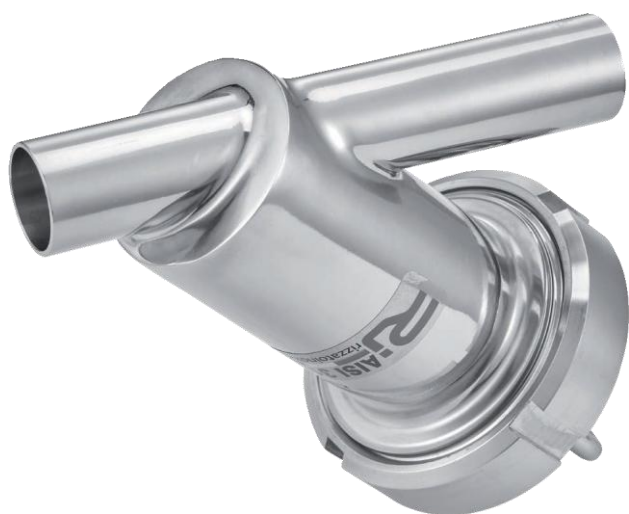


SMS valves and accessories

Model 61435 Y filter with plain ends - NBR gaskets 316L stainless steel



Specifications

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

Connection: to be welded

Operating pressure:

20 bar from DN25 to DN51

10 bar from DN63 to DN76

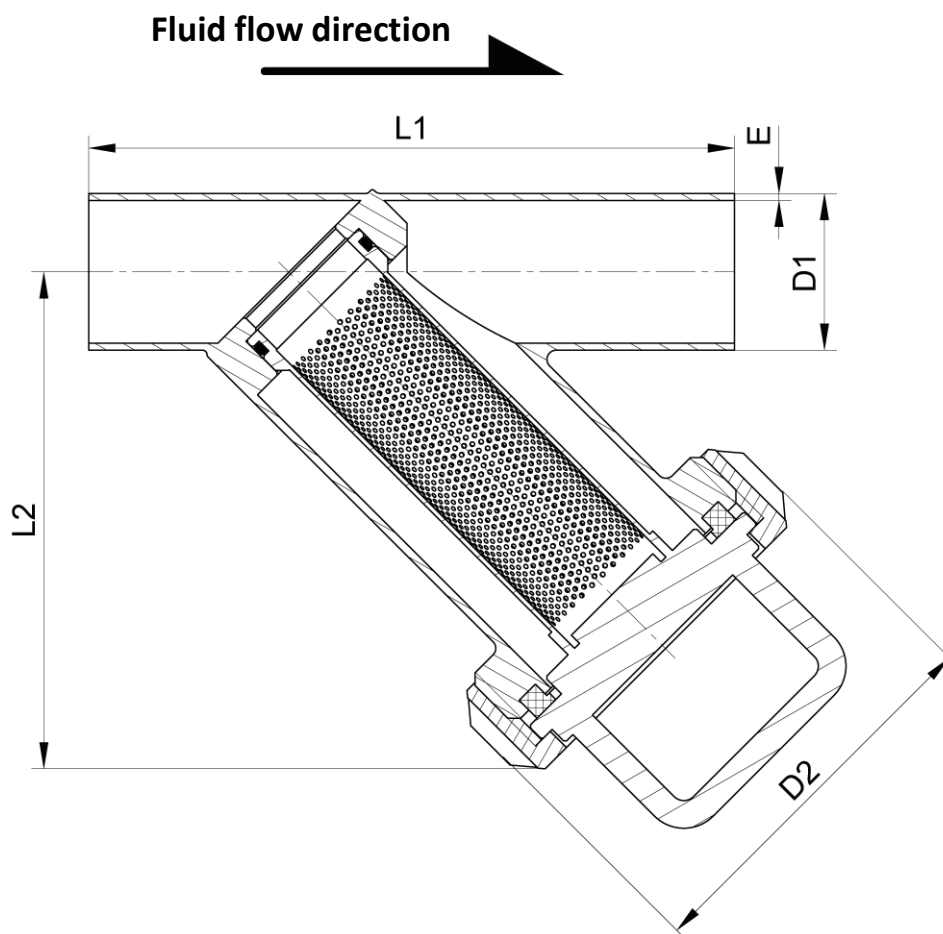
8 bar for DN104 valves

Operating temperature: from -10°C to +100°C

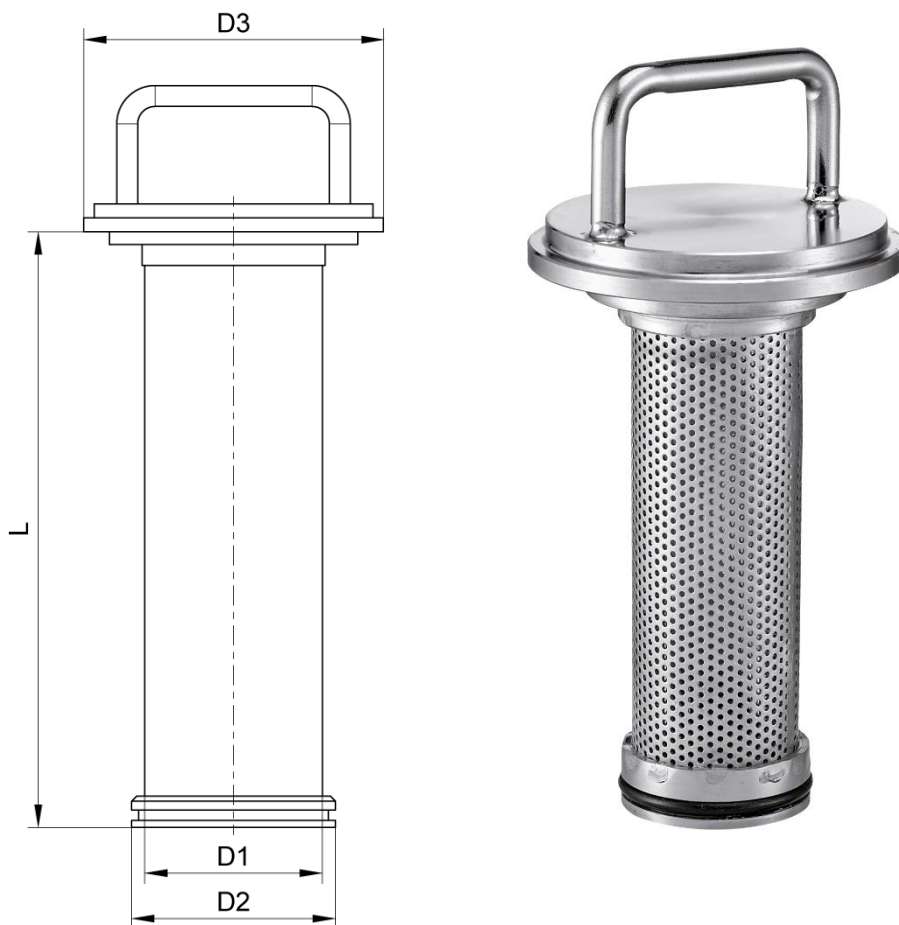
Filtration: Imm mesh (standard)

Material: 316L stainless steel - NBR gaskets

On request: other filter mesh sizes,
SMS threaded ends, EPDM or FKM gaskets.



DN (mm)	NB (inches)	Max. operating pressure: (bar)	D1 (mm)	D2 (mm)	E (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Part number SS 316L
25	1"	20	25.4	84	1.5	140	114	1.20	661435-25
38	1"1/2	20	38.1	100	1.5	170	137	1.60	661435-38
51	2"	20	50.8	114	1.5	210	162	2.20	661435-51
63	2"1/2	10	63.5	140	1.5	270	216	2.90	661435-63
76	3"	10	76.2	140	2.0	270	216	3.10	661435-76
104	4"	8	104	184	2.0	398	271	4.80	661435-104

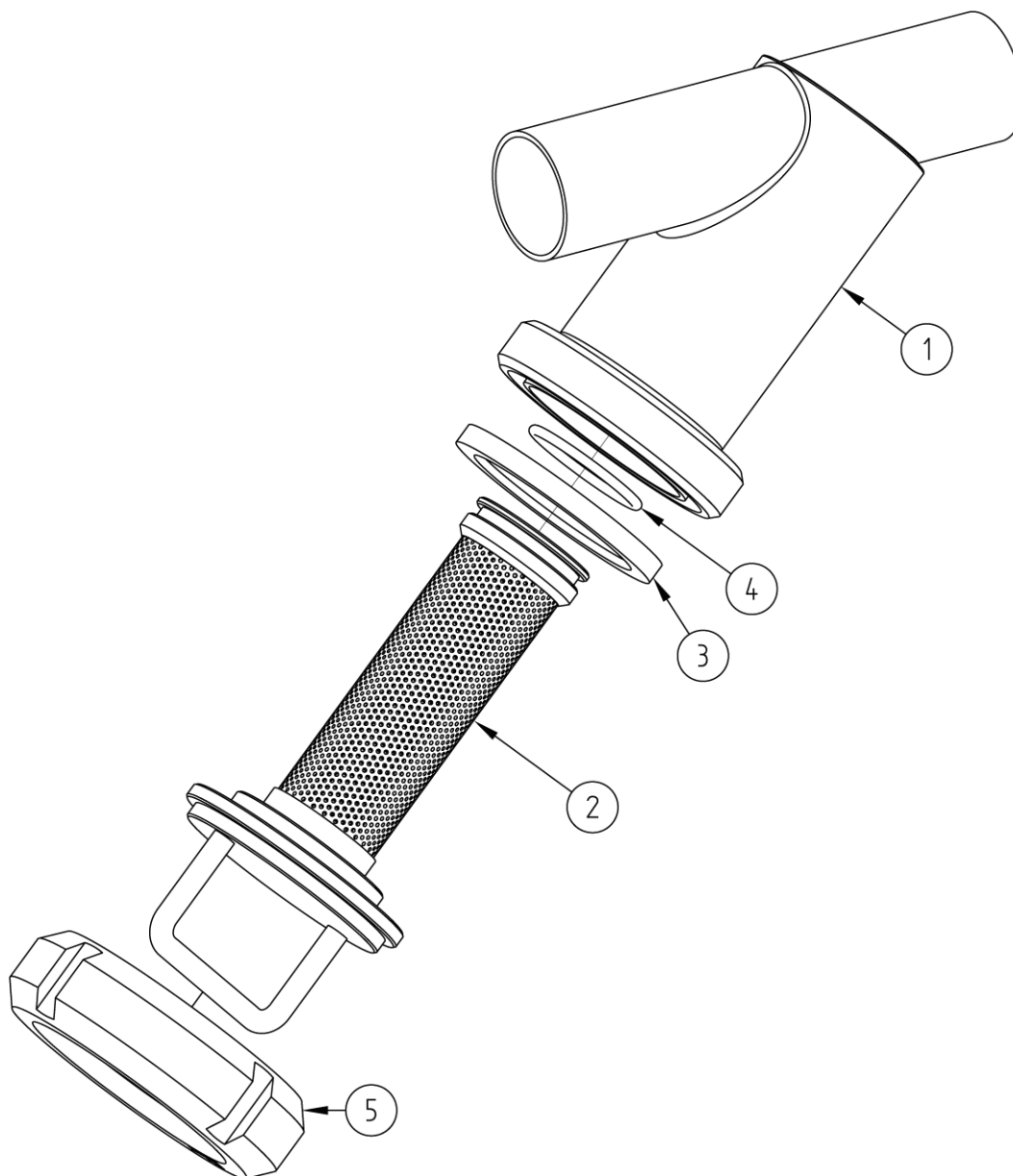


DN (mm)	NB (inches)	D1 (mm)	D2 (mm)	D3 (mm)	L (mm)	Part number* 316L
25	1"	32	34	66	101	D6171-2532
38	1"1/2	40	45	80	122	D6171-3840
51	2"	51	57	94	144	D6171-5051
from 63 to 76	from 2"1/2 to 3"	70	76	120	199	D6171-6376
104	4"	105	113	158	251	D6171-104

* 1 mm filter mesh size as standard

Options

You can also request the following filter mesh sizes: 0.1 / 0.2 / 0.3 / 0.5 / 2 / 3 / 4 mm.



N°	Part Name	Material
1	BODY	AISI 316
2	FILTERING ELEMENT (SIEVE)	AISI 316
3	L-SECTION GASKET	NBR (EPDM/FKM)
4	O-RING	NBR (EPDM)
5	LOCK NUT	AISI 316

Use



Warning: If the filter is used with fluids that have a temperature above 60°C then people could burn themselves if they touch it.

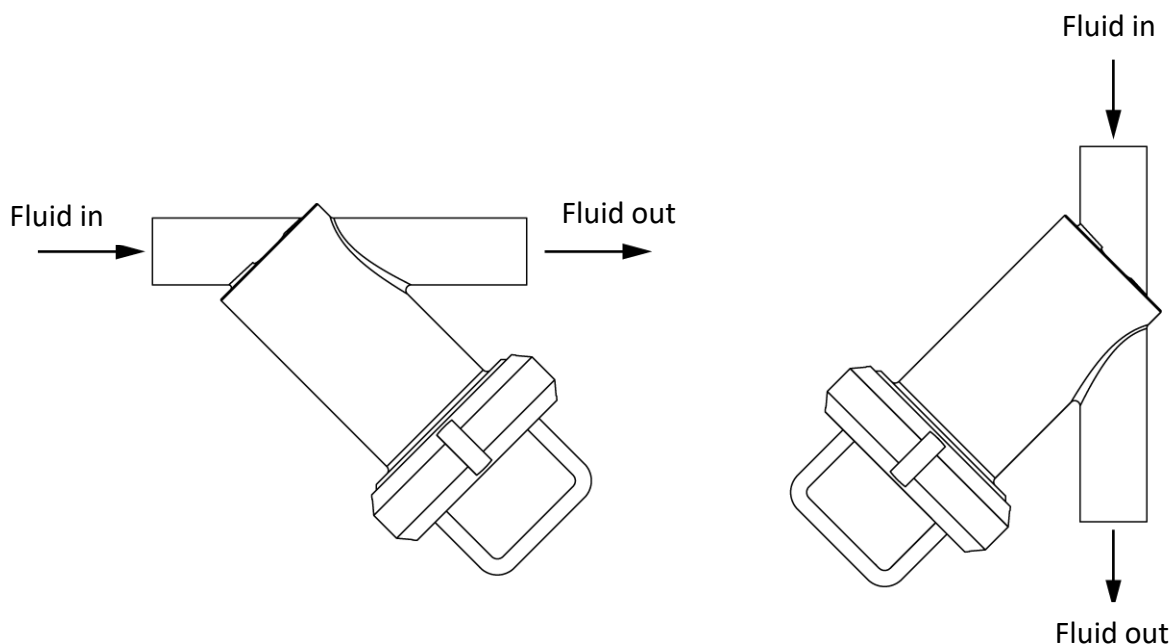
Fluids

This Y filter is suitable for non-abrasive and non-coagulable fluids, as long as the fluids are chemically compatible with the parts that they can come into contact with.

Assembly and maintenance instructions

Installation

You must take into account the direction of fluid circulation when you install a Y filter. You can install the filter in any position, however, to make it easier to drain and maintain the filter, you should install it on a vertical pipe with the fluid moving downwards or on a horizontal pipe with the fine sieve facing downwards. See the diagram below.



Check that there is enough space to carry out maintenance operations where you are planning to install the Y filter.

Check that all piping is perfectly aligned and that the piping support structure is dimensioned so that the filter is not subject to any external stresses. The support structure must support the pipes and not the filter directly.

How to install a Y filter:

Welding must be carried out by qualified personnel.

You must disassemble the filter to avoid damaging its fine sieve during welding. Disassemble the filter (remove the fine sieve element) to weld the 2 ends of the filter body to the piping, and then reassemble the fine sieve after welding.

Clean the installation and check that the equipment is clean and free from foreign bodies that could damage the filter.

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

Maintenance

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



Warning: Before you work on the filter check that the installation has been stopped and that the piping is empty and is not pressurised.

Warning: If the filter 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.

The filter can be cleaned manually by disassembling the filter or using a CIP (Clean in Place) process.

However, you must periodically disassemble the filter to remove the particles and impurities that can accumulate during filtration and check that the fine sieve is not blocked (too great a blockage will increase plant pressure losses and may cause damage to the fine sieve).

You must define the frequency of these actions by taking into account the characteristics of the fluid passing through it.

To clean the filter, unscrew the lock nut **5**.

Completely remove the fine sieve element **2** in order to clean it.

Before you reassemble the filter, check that the different parts of the filter are in good condition.

You should replace the gaskets.

Béné Inox – 11 chemin de la Pierre Blanche – 69800 SAINT-PRIEST – S.A.S with 240 000 € share capital – SIREN N° 311 810 287
Tel. N°: +33 (0)4 78 90 48 22 – Fax N°: +33 (0)4 78 90 69 59 – www.bene-inox.com – bene@bene-inox.com

Technical information, illustrations and photographs are provided for information only, they are not contractual. Some may vary according to the tolerances accepted in the profession and the applicable standards. All instructions for use, disassembly and maintenance are recommendations only. These could also vary depending on product usage conditions, its installation environment and purchaser requirements – of which the purchaser alone is responsible for their definition.

Standards and compliance

- This valve complies with European Pressure Equipment Directive (PED) 2014/68/EU Article 4 paragraph 3.
- This valve complies with EC Directive 1935/2004.