

Functionality

Mechanical cleaning Y-type filter MIRAYA designed to protect system elements from mechanical impurities in order to increase the operational life of the fitment and equipment installed in pipework.

Application Field

The Y-type filter can be used in utility systems such as heating and cooling systems as well as water- and air-circulating systems in buildings.

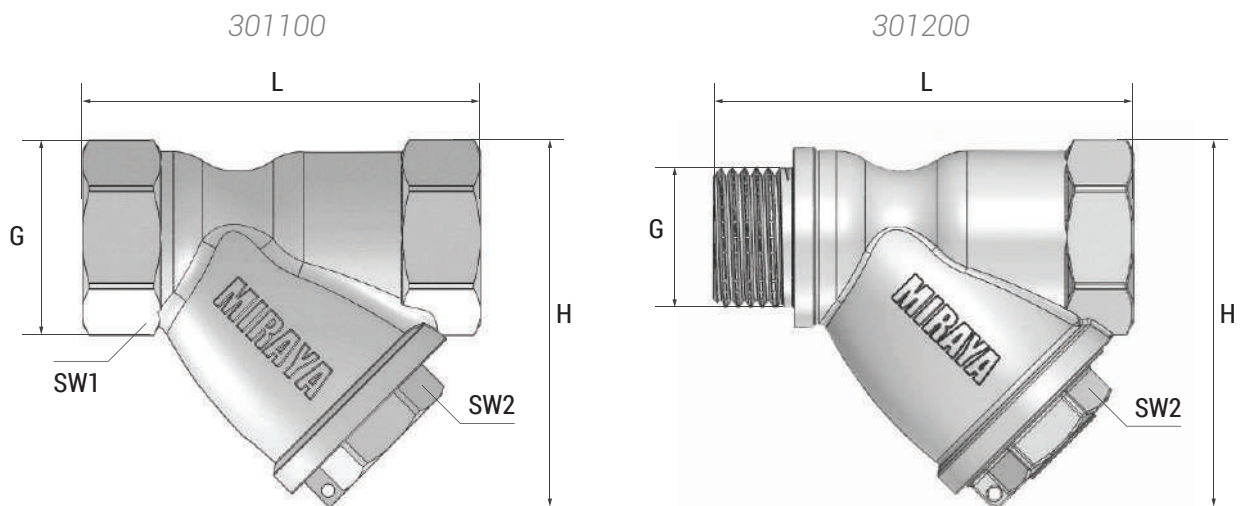
Technical Specifications

Medium: water, air, liquid fuel, oil products, oils and other non-intrusive mediums

Minimum operating temperature: -20 °C

Maximum operating temperature: +120 °C (15 bars)

Maximum operating pressure: 20 bars (20 °C)



Model	G	DN	PN	L	H	SW1	SW2	KV (m³/h)	Weight (g)
301101	1/2"	15	20	58	45	25	20	5,48	185
301102	3/4"	20	20	69	53	31	23	8,93	292
301103	1"	25	20	83	62	39	27	14,9	485
301201	1/2"	15	20	63	45	25	20	5,48	172

Quality Management System MIRAYA is certified in compliance with DIN-EN-ISO 9001. Legal guarantee for the product is provided pursuant to the clause 5 of the EU directive 1999/44. MIRAYA company reserves the right to make any technical changes that do not impair product specifications.

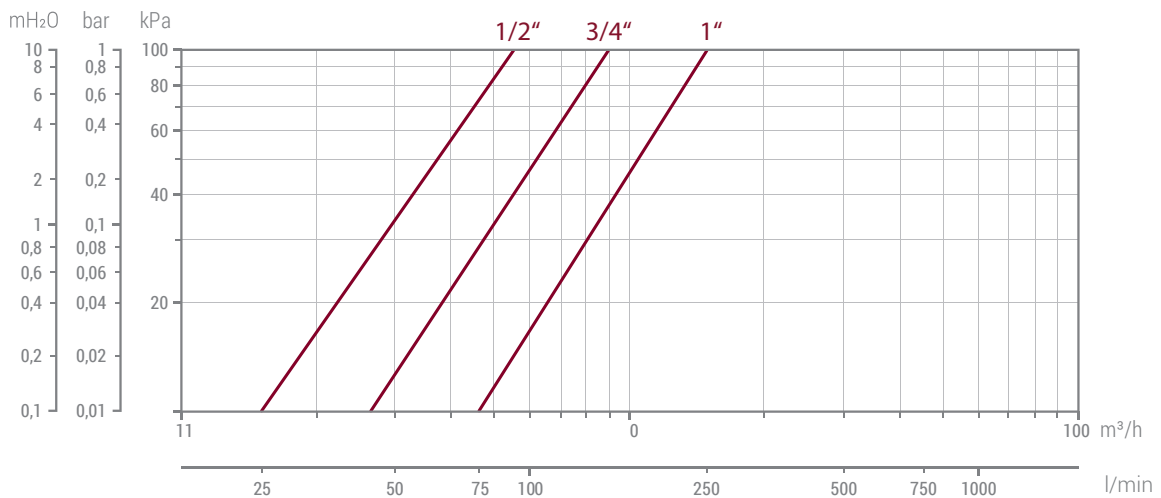
Design

Frame is made from hot-pressed brass CW617N in compliance with EN 12165.

Filtering element: stainless steel, unit size is 500 μm .

Junction: screwed joints in compliance with ISO 228.

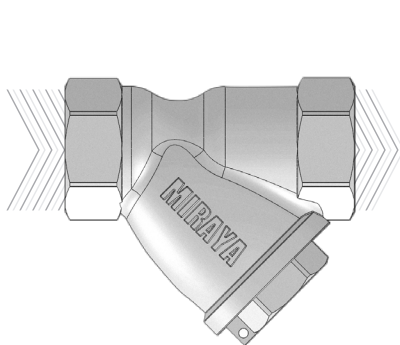
Sealing elements: sealing of the filter bowl cover is formed from PTFE, which is used for all gaseous liquids apart from those in Group 1 in compliance with the Pressure Equipment Directive 2014/68/EU.



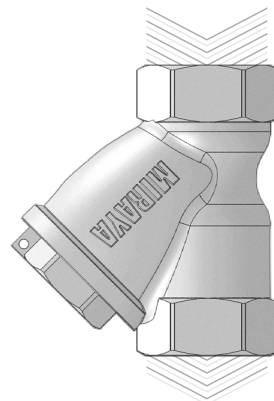
Hydraulic property: Filtering cartridge with unit size of 500 μm

Installation and Operation

Y-type filter installation should be completed using standard open-end wrenches. The filter must be installed in such a way that sufficient space is reserved for access to the bung to conduct maintenance of the filter. Sealing of threaded joints should be performed using standard sealing materials. The strainer can be installed both horizontally and vertically, with the filter bung facing downwards. The arrow on filter's frame should coincide with flow direction of the filtered medium.



Horizontal installation



Vertical installation

To clean the filter, shut off the medium flow, unscrew the plug, remove the filtering element and then rinse it with water. Put the element back into the nozzle, tightening it with the bung. Be sure to avoid any damage to the seals.



15/F Radio City, 505 Hennessy Road,
Causeway Bay, Hong Kong
+852 800 931 450
sales@miraya.world
www.miraya.world

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