

A7001-...Y-Type Strainer Series



Y-Type Strainer
A7001-...Series
Brass/Bronze/Stainless Steel
Threaded Connection
PN16, PN25

Performance & Features:

When the medium flows through the strainer, solid particles are trapped by the strainer screen. For cleaning, it is only required remove the detachable strainer cartridge, clear the trapped impurities, and reinstall it. Operation and maintenance are extremely convenient.

- ◆ Nominal diameter: DN15...DN50 (For other sizes, please contact the responsible person of ZIGTOO for details.)
- ◆ Advanced structure, low flow resistance;
- ◆ Large dirt holding capacity, convenient blowdown, easy disassembly and maintenance;
- ◆ All internal parts made of stainless steel, sturdy and durable.
- ◆ Large filtering area, fine mesh, high filtering efficiency;

Applications:

Y-type strainer is installed at the pump inlets of water supply and drainage, cold and hot water, water treatment, primary and secondary hot water supply pipelines and other systems in buildings, apartments, office buildings, complexes, data centers and factories, to prevent impurities from entering, stabilize water flow and protect the normal operation of water pumps.

Model Description:

For example: A7001-20-16T/Mesh Size and Pore Size

1. "A7001": Y-strainer Threaded Connection;
2. "-20": Nominal Diameter DN20;
3. "-" separator;
4. "-25/16" Nominal Pressure, PN25/PN16;
5. "T": Brass, B: Bronze, P: Stainless steel;
6. Mesh & Pore Size (Optional by default);

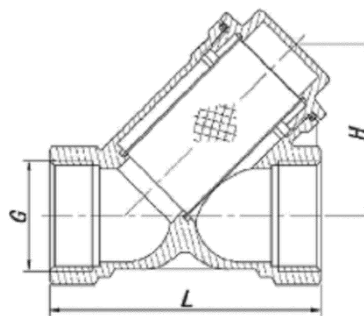
Technical Designation:

PN (Nominal Pressure)	PN16, PN25
Connection Standard	Threaded connection ISO228/1 (or EN10226)
Working Temperature	-20°C~150°C
Body	Brass HPb59-1 Bronze QA17 Stainless steel
Strainer Element	Stainless steel 304
Seal	PTFE

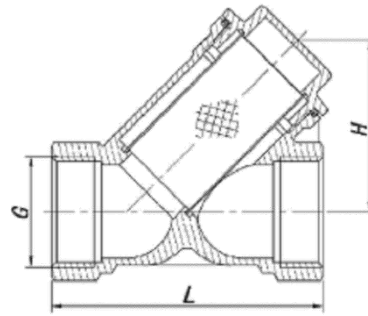
Kvs Table:

Model/PN16	Pipe diameter	DN (mm)	Kvs (m³/h)
A7001-15-16T	½"	DN15	2.6
A7001-20-16T	¾"	DN20	4
A7001-25-16T	1"	DN25	6.7
A7001-32-16T	1¼"	DN32	11.3
A7001-40-16T	1½"	DN40	14
A7001-50-16T	2"	DN50	24

Dimension Chart:



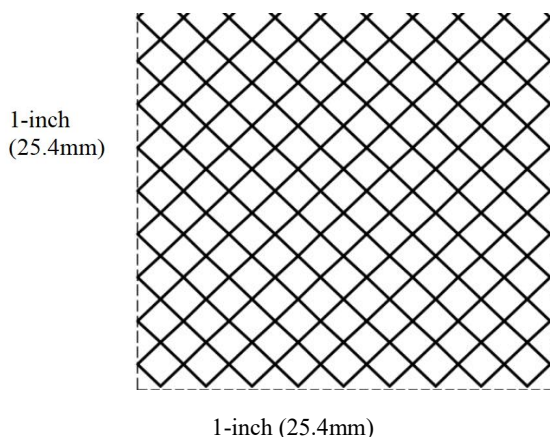
Model	DN	G	L	H
A7001-15-16T	DN15	½"	55	34
A7001-20-16T	DN20	¾"	70	43
A7001-25-16T	DN25	1"	82	52
A7001-32-16T	DN32	1¼"	90	56
A7001-40-16T	DN40	1½"	101	61
A7001-50-16T	DN50	2"	123	77



Model	DN	G	L	H
A7001-15-16P	DN15	½"	63	44
A7001-20-16P	DN20	¾"	75	52
A7001-25-16P	DN25	1"	86	64
A7001-32-16P	DN32	1¼"	102	68
A7001-40-16P	DN40	1½"	107	76
A7001-50-16P	DN50	2"	125	88

Notes on Strainer Mesh Size

- ◆ Mesh size refers to the number of openings in the strainer screen. It generally indicates the number of warp and weft openings within an area of 1 inch × 1 inch (25.4 mm × 25.4 mm = 1 sq.in, 645.16 mm²). As shown in the figure below, if both the warp and weft have 7 openings, it is defined as 7 mesh. If the numbers of warp and weft openings are different (denoted as a and b respectively), the mesh size is a×b.
- ◆ In daily usage, the term “total number of openings” is sometimes used. For example, what is commonly referred to as 18 mesh in practice is actually equivalent to 4 mesh in the standard definition. The expression "18 mesh" is only a colloquial term, not an academic one, and there is a clear distinction between the two.
- ◆ Strainer of different diameters have different mesh sizes. The smaller the diameter, the higher the mesh size and the smaller the pore size.
- ◆ Mesh size can also be customized according to actual application conditions. However, finer mesh is not necessarily better; the impact of resistance on the system must also be considered. In addition, the hole spacing should not be too small, as the screen may easily rupture under high flow velocity. Therefore, please consult the manufacturer for customization.



	DN15-25	DN32-50
Mesh size	Approx. 18~19 mesh	Approx. 10~11 mesh
Thickness	0.3mm	0.5mm
Diagonal	1.5mm	2.2mm