

A7035-... Suction (Angle Type) Diffusion Strainers series



**Suction (Angle Type) Diffusion Strainers
A7035-...Series
Flanged Connection
PN10, PN16, PN25**

Performance & Features:

This A7035-... series suction diffuser is designed to meet the requirements of narrow spaces on site. Featuring a 90° structure, this flow guiding strainer allows for convenient installation. It integrates filtration, elbow and flow guiding functions, thus greatly saving installation space.

- ◆ Nominal diameter: DN100...DN450 (For other bore sizes, please contact the responsible person of ZIGTOO for details);
- ◆ Full flow design with low head loss, less prone to debris accumulation, and easy maintenance.
- ◆ Easy open of bottom cover without the need to remove the valve body from the pipeline, facilitating cleaning and maintenance.
- ◆ Body surface optionally coated with powder epoxy resin for excellent corrosion resistance;
- ◆ Simple structure, with only a filter screen installed inside apart from the main body and bonnet;
- ◆ A special guide plate designed, which can eliminate turbulence and reduce the occurrence of cavitation;
- ◆ Bends installed at pipes, with identical or different inlet and outlet diameters (customizable according to on-site requirements);

Applications:

Suction diffuser 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.

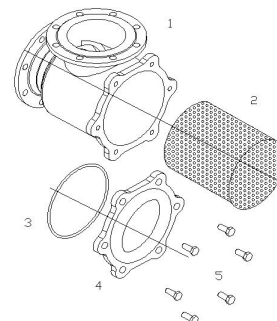
Model Designation

For example: A7035-125/100-16Q/Strainer Element Precision

1. "A7035": Suction (Angle Type) Diffusion Strainer
2. "-125": Inlet Diameter DN125, outlet Diameter DN100; If only one diameter is indicated, the inlet and outlet diameters are identical;
3. "-" separator;
4. "-25/16/10" Nominal Pressure, PN25/PN16/10;
5. "Q": Ductile Iron, C: Cast Steel; P: Stainless Steel;
6. Strainer Element Mesh and Pore Size

Technical Description:

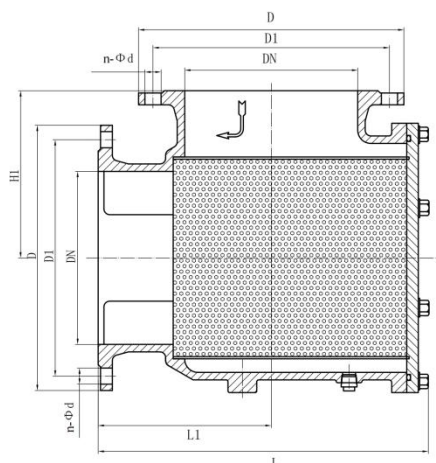
PN (Nominal Pressure)	PN10, PN16, PN25
Connection Standard	Flanged connection EN1092-2
Working Temperature	-15°C~130°C
Body (Figure1)	Ductile Iron QT 450-10/ Cast Steel / Stainless Steel
Strainer Element (Figure 2)	304 Stainless Steel
Seal (Figure 3)	PTFE/EPDM
Bonnet (Figure 4)	Same as body material
bolt (Figure 5)	Stainless Steel



Kvs Table:

Model/PN16	Pipe diameter (in.)	DN (mm)	Kvs (m³/h)
A7035-100-16Q	4"	100	330
A7035-125-16Q	5"	125	698
A7035-150-16Q	6"	150	785
A7035-200-16Q	8"	200	1220
A7035-250-16Q	10"	250	1720
A7035-300-16Q	12"	300	2550
A7035-350-16Q	14"	350	3780
A7035-400-16Q	16"	400	4920
A7035-450-16Q	16"	450	5840
A7035-500-16Q	16"	500	7260
A7035-600-16Q	16"	600	9120

Dimension Chart:



Model	DN(Inlet and Outlet)	D	D1	H1	L1	L
A7035-150-16Q	150*150	280	240	204	204	390
A7035-200-16Q	200*200	335	295	235	235	445
A7035-250-16Q	250*250	405	355	270	270	520
A7035-300-16Q	300*300	460	410	305	305	580
A7035-350-16Q	350*350	520	470	330	330	635
A7035-400-16Q	400*400	580	525	360	360	698
A7035-450-16Q	450*450	640	585	390	390	760
A7035-500-16Q	500*500	705	650	450	450	860
A7035-600-16Q	600*600	840	770	510	510	985

Reducing diameters and dimensions for customized products are not listed here; please consult the person in charge at ZIGTOO for details.

Installation Diagram:

During installation, follow the water flow direction marked on the valve body (arrow) and install in accordance with the arrow.

