Cast Steel Y-Strainer

Model	FIG300
Size	1/2" – 2”
Connection	Screwed BSP and Flanged ANSI300
Material	Cast Steel body
Stainless Steel Screen	80 Mesh
Pressure rating	800# / ANSI300
Max. Operating pressure *(saturated steam)*	41Barg @ 253.34°C
Max. Operating Temperature	400°C @ 34Barg

APPLICATION

ZAHO Fig 300 is suitable to arrest welding slug, debris, impurity particles in the pipeline, protect critical equipment such as steam traps, pressure reducing valves, control valve, and etc.

ADVANTAGES

- The cylindrical wire mesh in the strainer is convenient for maintenance and easy to replace
- Easy to dismantle the stainless steel screen for cleaning

INSTALLATION AND SAFETY INFORMATION

The strainer should be installed follow the direction of the fluid flow which arrow will be indicated on the valve body. Strainer can be fitted on steam or gas systems application and can be installed either horizontal or vertical position where the flow is downward.

On steam systems, the strainer pocket should be in the horizontal plane as it reduces the possibility of waterhammer while on liquid systems, the strainer pocket should point downwards. For convenient maintenance and replacement, isolation valves can be installed before and after the strainer.

When installing, please ensure that there is sufficient space for disassemble the strainer screen to clean the filter regularly.

FLANGED ANSI300

STRAINER SCREEN

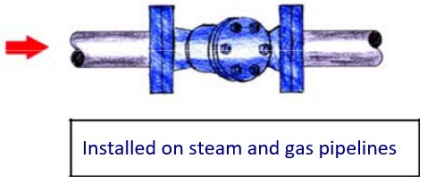
SCREWED BSP

ZAHO Cast Steel Y-Strainer

FIG300 SERIES MOP: UP TO 34BARG @ 400°C

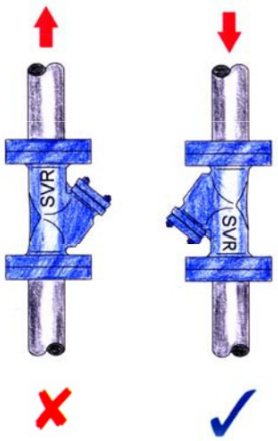
ZAHO

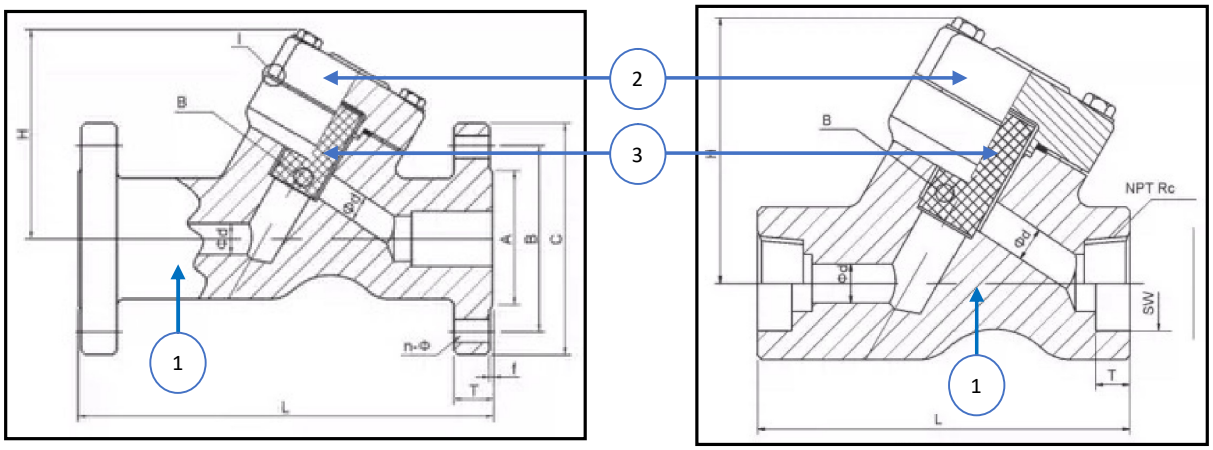
Recommended installation as shown below for references.



Installed on steam and gas pipelines

Installed on liquid system pipelines





Materials List		
1	Body	Cast Steel
2	Cap	Cast Steel
3	Strainer Screen	Stainless Steel

Dimensions / Weights (approximate) in mm and kg

CLASS	FLANGED 300LB					
SIZE	15	20	25	32	40	50
	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
L	152	178	203	216	229	267
H	70	75	95	105	105	120
Weight	3.4	4.5	6.8	8.9	12.3	16.6

CLASS	SCREWED / SW					
SIZE	15	20	25	32	40	50
	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
L	100	100	120	140	140	168
H	70	75	95	105	105	120
Weight	1.3	1.4	2.6	4.5	5.5	8.5

MAINTENANCE

Usually welding slug is the most important cause of premature equipment failure, the strainer screen needs to be cleaned regularly to remove dirt. The newly installed steam pipes should be cleaned at least twice a week, and after three months of operation, the strainer should be cleaned once every two months.

The most effective method is to flush the pipeline with steam before installation to ensure that there is no welding slug in the pipeline before install the equipments such as pressure reducing valve, control valve, flowmeter as to prevent damage to the surface of the valve seat that causes the valve leaks. Recommended pressure to use for steam flushing is 3-5 barg.

HOW TO CLEAN AND REPLACE THE STRAINER SCREEN

Loosen the cover and remove the strainer screen to clean or replace the new screen according to the actual sizes. After that, re-assemble and tighten the cover of the valve body, ensure the strainer screen is at centre position.

Note: When re-installing the cover, you should apply some powder graphite on the cover body to ensure that it does not stick to the gasket and it is recommended to replace a new gasket. The correct tools and necessary protective equipment should be used. After the repair is completed, slowly open the shut-off valve to check for leaks.

Warranty

One year warranty will be given against manufacturing and material defects from the date of invoice.