



Flanged Y-Type Strainer Fig. YSF175



General Description

Rapidrop Figure YSF175 Strainers filter out the dirt, rust, and other debris in the water flow protecting the valves and other equipment in the piping system.

All strainers are equipped with a flanged retainer cap which allows easy access to the stainless steel screen for cleaning.

Rapidrop Figure YSF175 Strainer should be installed horizontally with the cap facing downwards with access to remove the basket/screen.

Connections

Flange to ANSI B16.1 Class 125

Maximum Working Pressure

12 bar (175 PSI)

Temperature Range

-10 °C to 120 °C

Coating

Internally & externally Spray Painted.

Fusion Bonded Epoxy Coating available on request.

Approvals

UL

Standard Screen

Sizes		Hole Diameter (mm)	Free Flow Area (%)
Inch	mm		
2.5"	DN 65	3	38.5
3"~5"	DN 80-125	4.3	46.3
6"-10"	DN 150-250	4.7	54.5
12"	DN 300	6.3	57.2



Flanged Y-Type Strainer

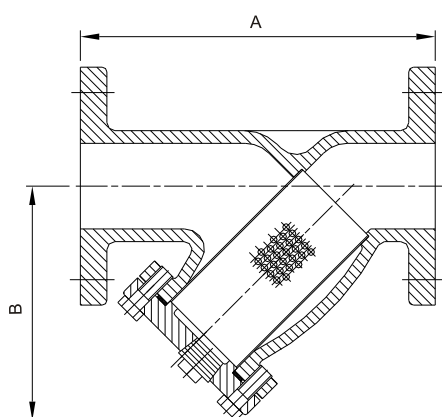
Fig. YSF175

Material Specification

Component	Material
Body	Cast Iron ASTM A126 Class B
Cover	Cast Iron ASTM A126 Class B
Screen	Stainless Steel AISI 304
Gasket	PTFE / Graphite
Plug	Ductile Iron ASTM A536 70-50-05

Cleaning Process

1. Notify any authority having jurisdiction and all personnel who may be affected prior to commencing inspection.
2. Close water supply, isolate and drain the system.
3. Unscrew the *drain plug* and drain the strainer.
4. Remove the *bolts*, the *cover* and the *gasket*.
5. Make sure the *screen* is clean from dirt and rust.
6. Replace *gasket* if necessary.
7. Reassemble in reverse order.



Sizes

Sizes		Dimensions(mm)		Weight (kg)	PN16	ANSI
Inch	mm	A	B			
2.5"	DN 65	273	135	14	RDYSTRAIN065	RDYSTRAIN065A
3"	DN 80	295	215	17.3	RDYSTRAIN080	RDYSTRAIN080A
4"	DN 100	352	245	32	RDYSTRAIN100	RDYSTRAIN100A
5"	DN 125	416	295	47.5	RDYSTRAIN125	RDYSTRAIN125A
6"	DN 150	470	320	62.5	RDYSTRAIN150	RDYSTRAIN150A
8"	DN 200	543	415	107.5	RDYSTRAIN200	RDYSTRAIN200A
10"	DN 250	660	485	175	RDYSTRAIN250	RDYSTRAIN250A
12"	DN 300	770	560	253	RDYSTRAIN300	RDYSTRAIN300A

Important Installation Information

- Rapidrop *Figure YSF175 strainer* must only be installed by a competent person in accordance with requirements of the local authority having jurisdiction. Deviations from these standards will invalidate warranty.
- It is the responsibility of the installing contractor to include a copy of this document in the sprinkler system installation, operating and maintenance manual.
- Alterations to Rapidrop products will void any warranty.
- *Figure YSF175 strainer* should be inspected and maintained during routine sprinkler system inspections by a competent person in accordance with national codes/requirements.
- Failure to follow these instructions could cause improper operation, resulting in personal injury and/or property damage.
- For further details and technical support please contact your Rapidrop sales representative.