

## Grooved Y-Type Strainer Fig. YSG175



### General Description

Rapidrop Figure YSG175 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 YSG175 Strainer should be installed horizontally with the cap facing downwards with access to remove the basket/screen.

### Standard Screen

Sizes		Hole Diameter (mm)	Free Flow Area (%)
Inch	mm		
2.5"	DN 65	2.5	38.5
3"~8"	DN 80-200	4	48.0
10"	DN 250	4.7	50.5
12"	DN 300	6.3	57.2

### Connections

Groove to ISO 6182/ AWWA C606

### 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

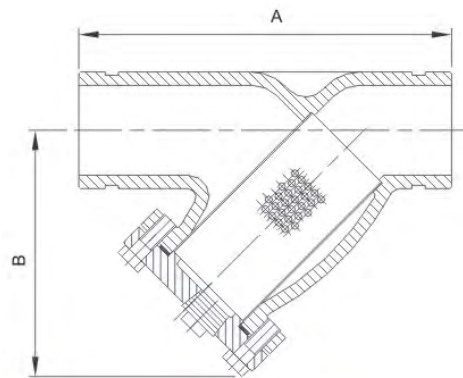
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### Material Specification

Component	Material
Body	Ductile Iron ASTM A536 70-50-05
Cover	Ductile Iron ASTM A536 70-50-05
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)	Product Ordering Code
Inch	mm	OD	A	B		
2.5"	DN 65	73.0	285	215	10.7	RDYSTRAIN073G
3"	DN 80	88.9	318	219	13.4	RDYSTRAIN080G
4"	DN 100	114.3	375	254	21	RDYSTRAIN100G
5"	DN 125	141.3	448	322	35.6	RDYSTRAIN125G
6"	DN 150	168.3	502	365	54.2	RDYSTRAIN168G
8"	DN 200	219.1	640	462	100.4	RDYSTRAIN200G
10"	DN 250	273.0	710	540	141	RDYSTRAIN250G
12"	DN 300	323.9	780	610	233	RDYSTRAIN300G

### Important Installation Information

- Rapidrop *Figure YSG175 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 YSG175 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.