



## 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.

### Connections

Groove to ISO 6182/AWWA C606

### Maximum Working Pressure

12 bar (175 psi)

### Temperature Range

-10 °C to 120 °C

### Coating

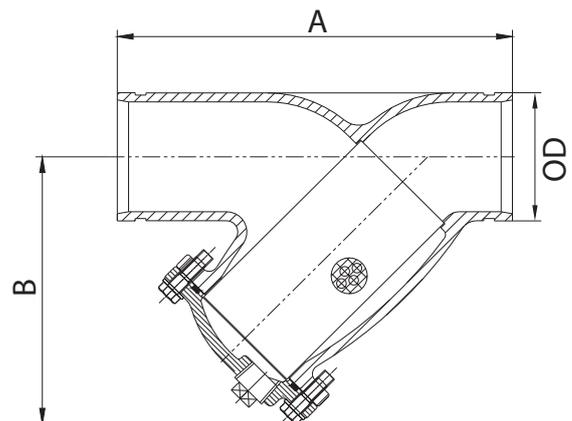
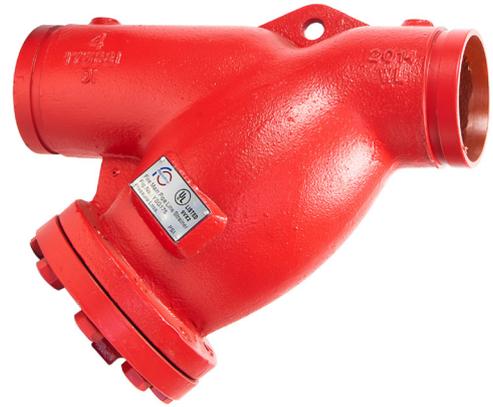
Internally & externally Spray Painted.  
Fusion Bonded Epoxy Coating available on request.

### Approvals

UL Listed

### Standard Screen

Sizes		Hole Diameter (mm)	Free Flow Area (%)
mm	Inch		
DN65	2.5"	3	53.6 %
DN80 - DN125	3" - 5"	4.3	55.4 %
DN150 - DN250	6" - 10"	6.0	63.0 %
DN300	12"	6.3	40.7 %



### Dimensions

Sizes		Dimensions			Plug Size	Weight (kg)	Ordering Codes
mm	Inch	A	B	OD			
DN65	2 1/2"	285	215	76.1	1"	10.7	RDYSTRAIN065G
DN80	3"	318	220	88.9	1"	13.4	RDYSTRAIN080G
DN100	4"	375	254	114.3	1"	21	RDYSTRAIN100G
DN125	5"	448	330	141.3	1 1/4"	35.6	RDYSTRAIN125G
DN150	6"	502	370	168.3	1 1/2"	54.2	RDYSTRAIN168G
DN200	8"	640	470	219.1	1 1/2"	100.4	RDYSTRAIN200G
DN250	10"	710	545	273.0	2"	141	RDYSTRAIN250G
DN300	12"	780	610	323.9	2"	233	RDYSTRAIN300G



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### Material Specification

Component	Material
Body	Ductile Iron ASTM A536 65-45-12
Cover	Ductile Iron ASTM A536 65-45-12
Screen	Stainless Steel AISI 304
Gasket	PTFE / Graphite
Plug	Malleable Iron A47 22010

### 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.

### 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.