

Flanged Y-Type Strainer

Fig. 702

General Description

Rapidrop Figure 702 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 702 Strainers should be installed horizontally with the cap facing downwards with access to remove the basket/screen.

Connections

ANSI 125/150 Flange to ASME B16.1

Working Pressure

Max. working pressure 20.7 bar (300 PSI)

Temperature Range

0°-80°C with rubber gasket (standard)

Optional high temperature graphite gasket available upon request

Coating

Fusion Bonded Epoxy Coating

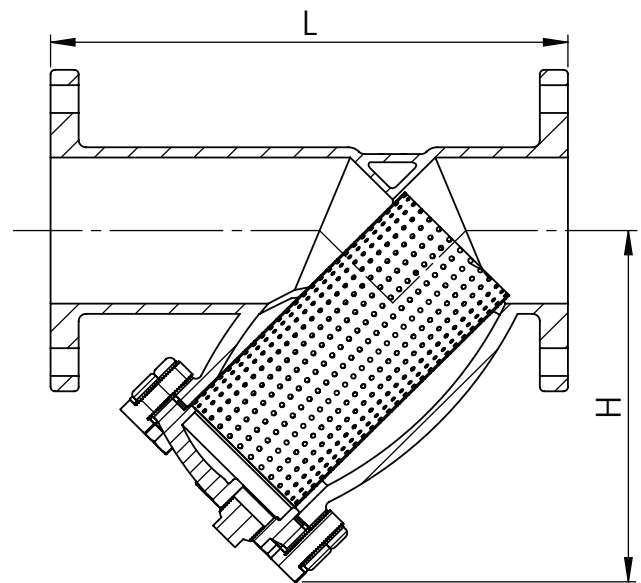
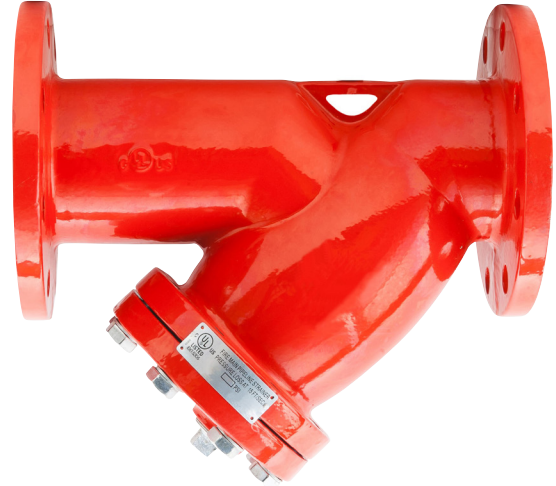
In accordance with ANSI / AWWA C550

Approvals

UL Listed

Standard Screen

Sizes		Sieve No.	Hole Dia.	Free Flow Area (%)
mm	Inch		mm	%
DN50 ~ DN65	2" ~ 2.5"	25	4	48
DN80 ~ DN100	3" ~ 4"	18	5	54
DN125	5"	14	6	58
DN150 ~ DN300	6" ~ 12"	13	6.3	64



Dimensions

Sizes		Dimensions (mm)		Weight (Kg)	Product Ordering Code
mm	Inch	L	H		
DN 50	2"	200	155	8.7	RD702YS050A
DN 65	2.5"	254	165	12.2	RD702YS065A
DN 80	3"	257	180	13.8	RD702YS080A
DN 100	4"	308	229	23.9	RD702YS100A
DN 150	6"	470	311	43.8	RD702YS150A
DN 200	8"	549	394	75.4	RD702YS200A
DN 250	10"	654	487	109.3	RD702YS250A
DN 300	12"	759	547	173.1	RD702YS300A

Strainers sizes DN100 (4") to DN300 (12") are equipped with lifting hole for easier handling.

Flanged Y-Type Strainer

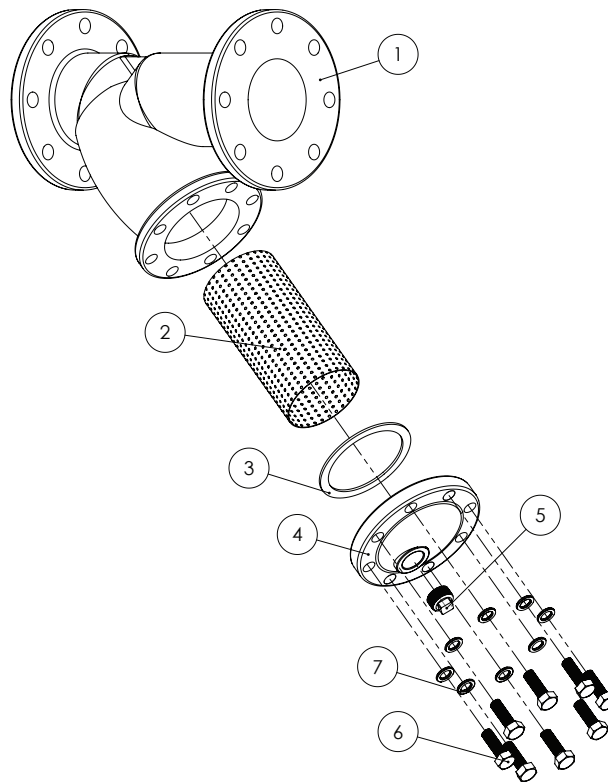
Fig. 702

Material Specification

No	Description	Material
1	Valve Body	Ductile Iron 65-45-12
2	Screen	Stainless Steel
3	Gasket	EPDM
4	Cover	Ductile Iron 65-45-12
5	Drain Plug	Malleable Iron Galvanized
6	Bolt	Stainless Steel
7	Flat Washer	Stainless Steel

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 (5) and drain the strainer.
4. Remove the bolts (6), the washers (7), the cover (4) and the gasket (3).
5. Make sure the screen (2) is clean from dirt and rust.
6. Replace gasket (3) if necessary.
7. Reassemble in reverse order.



Important Installation Information

- Rapidrop Figure 702 Strainers 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 702 Strainers 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.