

Size range: 2" - 8"



Profit strainers can serve in piping systems that are sensitive for any debris in the medium. They filter out solid parts to protect other equipment such as valves from damage or bad functioning. Type FYST has flanged ends. The strainers are designed so that they can be cleaned without removing them from the piping system.

Characteristics

- Indoor & outdoor use.
- Suitable for use in horizontal & vertical piping with the filter always facing direction downwards.
- Clearly marked with a flow-arrow on the body.
- Equipped with a lifting eye from DN100 and above.
- Available in sizes 2" up to 8".

Installation: please provide the necessary space to allow for basket removal for maintenance.

- Type FYST: between flange types EN 1092-PN16. (Also available: ANSI B16.1 class 125/ASME B16.42, class 150).

- Anti-corrosion protection: high grade polyester powder coating, meets or exceed AWWA C550 standards.

Working pressure

Maximum 1,60 MPa / 16,0 bar / 232 psi.

Working temperature

Maximum -10°C to +120°C.

Marking

Flanged type (example DN 50,2"):

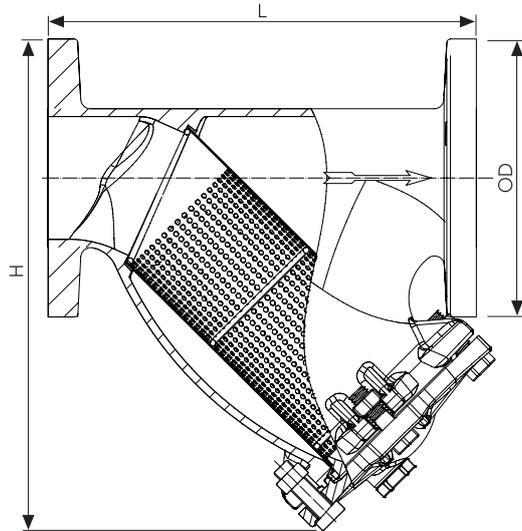
PROFIT
FYST2
232 psi
DI

Approvals

- UL listed - cat HLCV.

Material details & specifications

1. Body: ductile iron ASTM A536 65-45-12.
2. Cover: ductile iron ASTM A536 65-45-12.
Plug: stainless steel – ¾".
3. Bolt & nuts: quality 8.8, electrogalvanised.
4. Gasket: EPDM rubber.
5. Filter screen basket: SS AISI 304.



Dimensions

Size		Dimensions				Weight (kg)
DN	INCH	OD (mm)	L	H	Plug	FYST
50	2"	60,3	230	154	3/4"	8,43
65	2,5"	76,1	290	201	3/4"	12,58
80	3"	88,9	310	210	3/4"	17,54
100	4"	114,3	350	269	3/4"	27,60
125	5"	139,7	400	320	3/4"	32,77
150	6"	168,3	480	357	3/4"	41,88
200	8"	219,1	550	442	3/4"	72,40

Pressure loss (UL data)

Size		Delta P (head loss) kPa	Flow l/min
DN	INCH		
50	2"	20,43	594
65	2,5"	20,08	847
80	3"	19,01	1308
100	4"	15,69	2253
125	5"	12,45	3541
150	6"	11,74	5113
200	8"	16,32	8854

Size		Delta P kPa	Velocity m/sec
DN	INCH		
50	2"	<3	4,6
65	2,5"	<3	4,6
80	3"	<3	4,6
100	4"	<3	4,6
125	5"	<3	4,6
150	6"	<3	4,6
200	8"	<3	4,6

Cleaning / maintenance instructions

Strainers should be inspected and cleaned regularly during regular sprinkler system inspections. This must be done by trained workforce in accordance with local rules.

Steps:

- Remove the pressure from the system, close the water supply.
- The filter cover is provided with a plug to drain the system before opening the cover. Unscrew the drain plug.
- Remove the cover by taking out the two bolts.
- Clean the screen from dirt.
- Assemble the unit and take back into service.

GENERAL INFO

- Installers should be trained or experienced to install and understand the product.
- Read and understand all technical datasheets and installation instructions before attempting to install, remove or adjust any Profit piping products.
- Depressurise and drain the sprinkler installation system before attempting to install, remove or adjust any Profit piping products.
- Never work on piping systems that are pressurised and / or filled with water.
- Piping Logistics reserves the right to change specifications, designs and / or standard equipment without notice and without incurring in any obligations.
- Use the necessary Personal Protection Equipment (PPE) to avoid personal injury (helmet, safety shoes and goggles, Profit gloves).



Failure to follow these instructions could result in death or serious injury and property damage.

We advise to always store our products in closed and dry environments, the products do not need any specific maintenance once installed on an aboveground sprinkler installation.

REVISION TABLE

Date	△	Notes
21/02/2024		Initial release.
05/06/2024	A	Page 2 - Technical drawing was added.