Precision Filter Strainers

VOTH

Threaded Stainless Steel Y Strainer is designed to let the flow pass the screen so that sized particulate is captured and retained by the screen. They are most commonly used in pressurized lines, gas or liquid, but can also be used in suction or vacuum conditions. They are intended for applications where small amounts of solid particulate are expected, and where clean-out will be infrequent. Our filter strainers are available with various filtration sizes depending on the filtration requirements.

FILTER STRAINERS SCREWED END

Design Pressures

High Pressurized systems	60bars
Suction/Vacuum systems#	-1bar

Rubber sealing instead of PTFE seals

Design Temperatures

Cold applications	-20°C
Hot applications	150°C

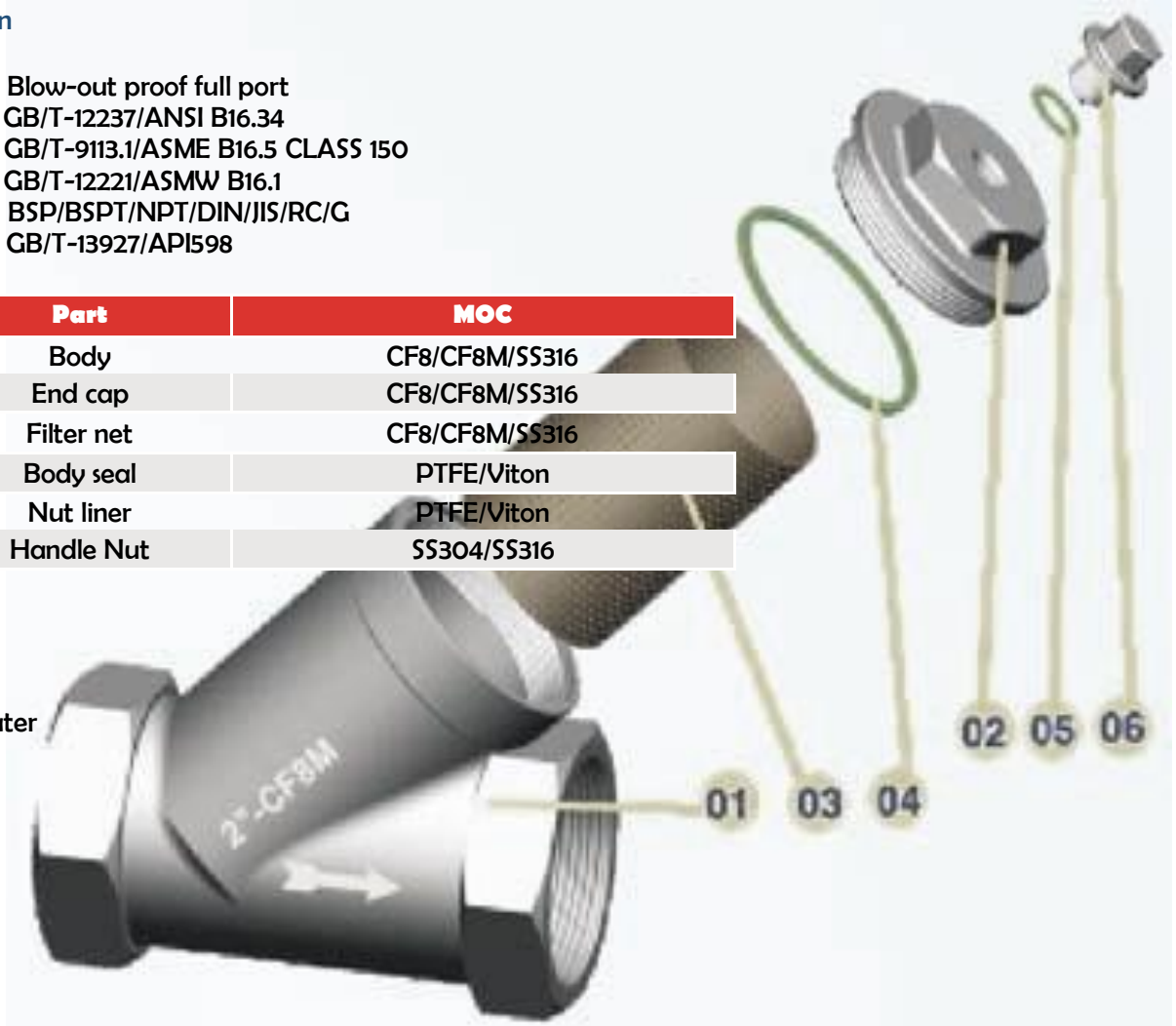
Materials

CF8M Stainless steel	Water
CF8 Stainless steel	Petrochemicals
Ss316 Stainless steel	Aggressive chemicals

Technical specification

Port design	Blow-out proof full port
Design reference	GB/T-12237/ANSI B16.34
Flange dimensions	GB/T-9113.1/ASME B16.5 CLASS 150
Face to face	GB/T-12221/ASMW B16.1
Thread	BSP/BSPT/NPT/DIN/JIS/RC/G
Testing	GB/T-13927/API598

No	Part	MOC
1	Body	CF8/CF8M/SS316
2	End cap	CF8/CF8M/SS316
3	Filter net	CF8/CF8M/SS316
4	Body seal	PTFE/Viton
5	Nut liner	PTFE/Viton
6	Handle Nut	SS304/SS316



Industry

Effluents, Sewage/water
Petrochemical
Aggressive liquids
Hydraulics

Precision Filter Strainers

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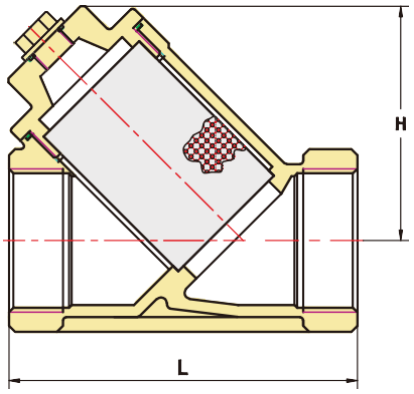
Dimensions & Ordering code [CF8 Body, Viton sealing]

Size	Ordering code	L in mm	H in mm	Pressure (Bar)
G1/4	VYF-CF8M-DN006-100	50	30	-1bar + 60bar
G3/8	VYF-CF8M-DN010-100	65	38	-1bar + 60bar
G1/2	VYF-CF8M-DN012-100	65	38	-1bar + 55bar
G3/4	VYF-CF8M-DN020-100	78	48	-1bar + 50bar
G1	VYF-CF8M-DN025-100	90	57	-1bar + 45bar
G1.1/2	VYF-CF8M-DN032-100	120	67	-1bar + 40bar
G2	VYF-CF8M-DN050-100	140	79	-1bar + 40bar
G2.1/2	VYF-CF8M-DN062-100	180	105	-1bar + 36bar
G3	VYF-CF8M-DN075-100	215	131	-1bar + 36bar
G4	VYF-CF8M-DN100-100	260	159	-1bar + 36bar

Recommended for suction or vacuum applications



Dimensions & Ordering code [CF8 Body, PTFE sealing]

Size	Ordering code	L in mm	H in mm	Pressure (Bar)
G1/4	TYF-CF8M-DN006-100	50	30	60bar
G3/8	TYF-CF8M-DN010-100	65	38	60bar
G1/2	TYF-CF8M-DN012-100	65	38	55bar
G3/4	TYF-CF8M-DN020-100	78	48	50bar
G1	TYF-CF8M-DN025-100	90	57	45bar
G1.1/2	TYF-CF8M-DN032-100	120	67	40bar
G2	TYF-CF8M-DN050-100	140	79	40bar
G2.1/2	TYF-CF8M-DN062-100	180	105	36bar
G3	TYF-CF8M-DN075-100	215	131	36bar
G4	TYF-CF8M-DN100-100	260	159	36bar

Recommended for effluent, water applications

Dimensions & Ordering code [CF8M Body, PTFE sealing]

Size	Ordering code	L in mm	H in mm	Pressure (Bar)
G1/4	TYF-CF8MM-DN006-100	50	30	60bar
G3/8	TYF-CF8MM-DN010-100	65	38	60bar
G1/2	TYF-CF8MM-DN012-100	65	38	55bar
G3/4	TYF-CF8MM-DN020-100	78	48	50bar
G1	TYF-CF8MM-DN025-100	90	57	45bar
G1.1/2	TYF-CF8MM-DN032-100	120	67	40bar
G2	TYF-CF8MM-DN050-100	140	79	40bar
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G3	TYF-CF8MM-DN075-100	215	131	36bar
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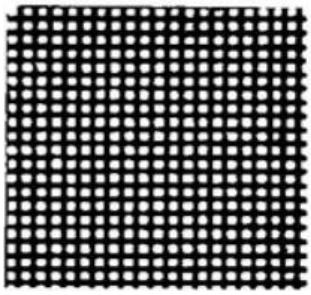
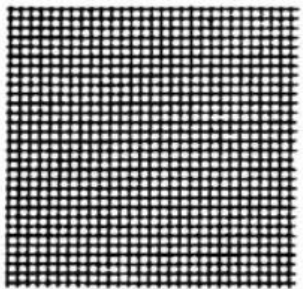
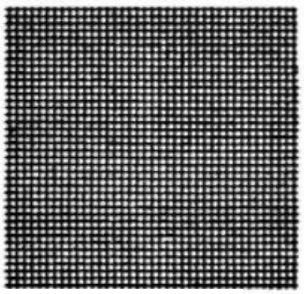
Recommended for corrosive liquids applications



18mesh



35mesh



100mesh

Ordering code instructions

Default 100mesh

Order code example for 35mesh

TYF-CF8MM-DN006-035

Precision Filter Strainers

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SOFT SEALING FILTER STRAINERS SCREWED END

Design Pressures

High Pressurized systems	60bars
Suction/Vacuum systems#	-1bar

Rubber sealing instead of PTFE seals

Design Temperatures

Cold applications	-20°C
Hot applications	150°C

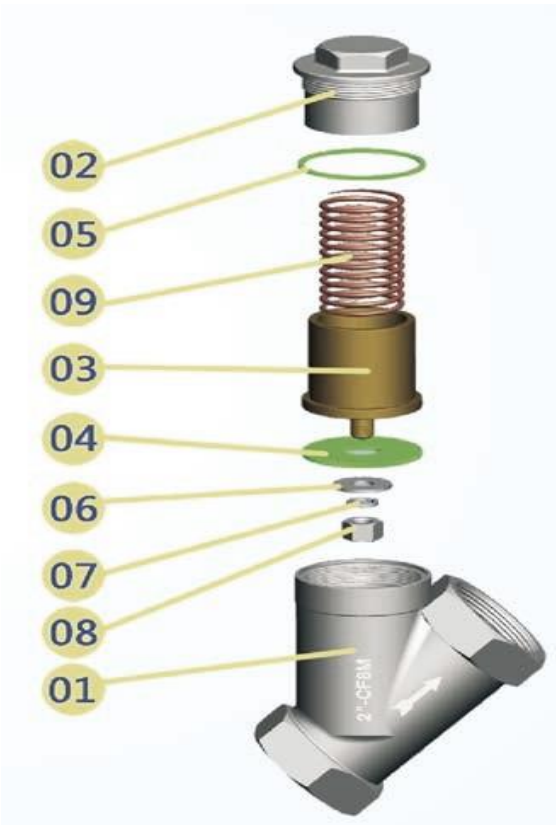
Materials

CF8M Stainless steel	Water
CF8 Stainless steel	Petrochemicals
Ss316 Stainless steel	Aggressive chemicals

304 STAINLESS STEEL
STAINLESS STEEL

316 STAINLESS STEEL
STAINLESS STEEL

No	Part	MOC
1	Body	SS304
2	End cap	SS304
3	Disc	SS304
4	Seal	PTFE/Viton
5	Body seal	PTFE/Viton
6	Washer	SS304
7	Stud	SS304
8	Nut	SS304
9	Spring	SS304



Technical specification

Port design	Blow-out proof full port
Design reference	GB/T-12237/ANSI B16.34
Flange dimensions	GB/T-9113.1/ASME B16.5 CLASS 150
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Thread	BSP/BSPT/NPT/DIN/JIS/RC/G
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Industry

Effluents, Sewage/water
Petrochemical
Aggressive liquids
Hydraulics

Precision Filter Strainers

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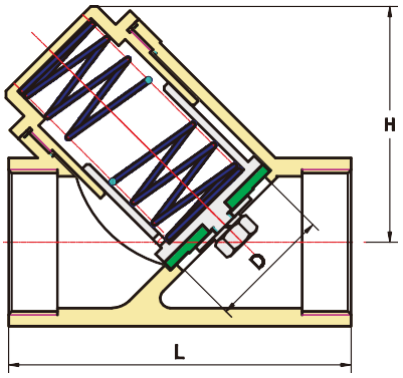
Dimensions & Ordering code [CF8 Body, Viton sealing]

Size	Ordering code	L in mm	H in mm	Pressure (Bar)
G1/4	SS-VYF-CF8M-DN006-100	50	30	-1bar + 60bar
G3/8	SS-VYF-CF8M-DN010-100	65	38	-1bar + 60bar
G1/2	SS-VYF-CF8M-DN012-100	65	38	-1bar + 55bar
G3/4	SS-VYF-CF8M-DN020-100	78	48	-1bar + 50bar
G1	SS-VYF-CF8M-DN025-100	90	57	-1bar + 45bar
G1.1/2	SS-VYF-CF8M-DN032-100	120	67	-1bar + 40bar
G2	SS-VYF-CF8M-DN050-100	140	79	-1bar + 40bar
G2.1/2	SS-VYF-CF8M-DN062-100	180	105	-1bar + 36bar
G3	SS-VYF-CF8M-DN075-100	215	131	-1bar + 36bar
G4	SS-VYF-CF8M-DN100-100	260	159	-1bar + 36bar

Recommended for suction or vacuum applications



Dimensions & Ordering code [CF8 Body, PTFE sealing]

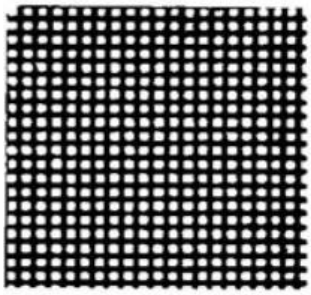
Size	Ordering code	L in mm	H in mm	Pressure (Bar)
G1/4	SS-TYF-CF8M-DN006-100	50	30	60bar
G3/8	SS-TYF-CF8M-DN010-100	65	38	60bar
G1/2	SS-TYF-CF8M-DN012-100	65	38	55bar
G3/4	SS-TYF-CF8M-DN020-100	78	48	50bar
G1	SS-TYF-CF8M-DN025-100	90	57	45bar
G1.1/2	SS-TYF-CF8M-DN032-100	120	67	40bar
G2	SS-TYF-CF8M-DN050-100	140	79	40bar
G2.1/2	SS-TYF-CF8M-DN062-100	180	105	36bar
G3	SS-TYF-CF8M-DN075-100	215	131	36bar
G4	SS-TYF-CF8M-DN100-100	260	159	36bar

Recommended for effluent, water applications

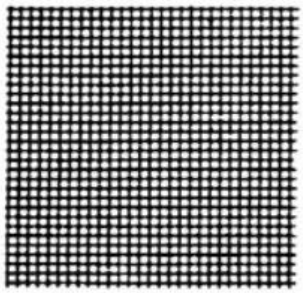
Dimensions & Ordering code [CF8M Body, PTFE sealing]

Size	Ordering code	L in mm	H in mm	Pressure (Bar)
G1/4	SS-TYF-CF8MM-DN006-100	50	30	60bar
G3/8	SS-TYF-CF8MM-DN010-100	65	38	60bar
G1/2	SS-TYF-CF8MM-DN012-100	65	38	55bar
G3/4	SS-TYF-CF8MM-DN020-100	78	48	50bar
G1	SS-TYF-CF8MM-DN025-100	90	57	45bar
G1.1/2	SS-TYF-CF8MM-DN032-100	120	67	40bar
G2	SS-TYF-CF8MM-DN050-100	140	79	40bar
G2.1/2	SS-TYF-CF8MM-DN062-100	180	105	36bar
G3	SS-TYF-CF8MM-DN075-100	215	131	36bar
G4	SS-TYF-CF8MM-DN100-100	260	159	36bar

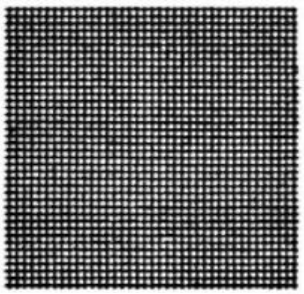
Recommended for corrosive liquids applications



18mesh



35mesh



100mesh

Ordering code instructions

Default 100mesh

Order code example for 35mesh

TYF-CF8MM-DN006-035

2 Piece Stainless Steel Ball Valves

2 Piece Stainless Steel Ball Valves
Size: 1/4" - 6"
Grade: SS316
Power: Hydraulic
Material: Stainless Steel
Finishing Type: Polished

- 2 Piece Stainless steel ball valve will open or shut off the flow of most liquids and gases quickly and easily and is suitable for just about any application where a simple on/off action is needed
- It is mainly used to cut off, distribute and change the flow direction of the medium in the pipeline.
- Easy to operate, open and close quickly, from full open to full close as long as 90 ° rotation, easy to the remote control.
- The fluid resistance is small, and its resistance coefficient is equal to that of the same length of pipe.
- Stainless steel 2PC ball valve is tight and reliable. It has two sealing surfaces.
- Used in the sealing surface material of 2PC ball valve, which has good sealing performance and can realize complete sealing. It has been widely used in vacuum systems.
- It has the advantages of a simple structure, small volume, and lightweight.
- The flow resistance of the steel ball valve is small, and the 2PC ball valve with full diameter basically has no flow resistance.
- When it is fully opened or closed, the sealing surface of the ball and valve seat is isolated from the medium, and the medium will not cause erosion of the valve sealing surface.
- Healthy and non-toxic, bacterial neutral, conforming to drinking water standards.
- Ball valve has a simple structure, good sealing performance, no stuck, and is easy to operate and easy to open and close quickly, which makes it widely used.

Applications

Low pressure

Hazards applications where lock necessary

Water, oil & solvents

Stainless steel ball valves

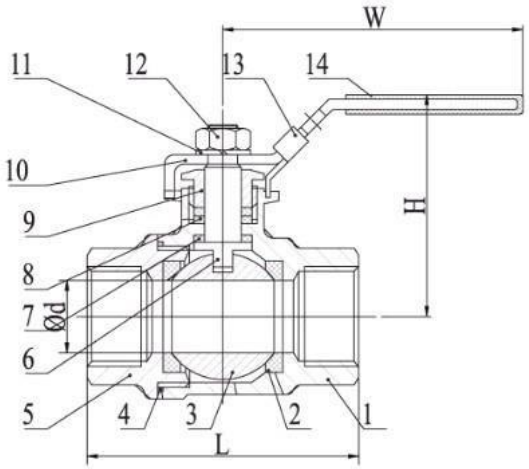
VOTH

Specification

- For Industrial, Chemical & General Applications
- 2 Piece stainless steel Construction
- Threaded BSPP Ends
- Full Bore
- Lockable Lever Handle
- Blowout Proof Stem
- Investment Cast Body
- Pressure Rating:: 1000PSI WOG Nominal at 100°C
- Pressure Rating:: 2000PSI WOG Max pressure at 50°C
- Working Temperature: -20°C~200°C
- Replacement Seal Kits available
- Available with full VA components
- Testing to API598
- Designed according to EN12516

Main Parts and materials		1/4"-2.1/2"	
No.	Part Name	Material	
		Stainless steel	Carbon steel
1	Body	SS201/SS304/SS316	WCB
2	Ball	SS201/SS304/SS316	SS201/SS304/SS316
3	Joint ring	PTFE/RPTFE/PEEK	PTFE/RPTFE/PEEK
4	Joint gasket	PTFE	PTFE
5	Cap	SS201/SS304/SS316	WCB
6	Tem	SS201/SS304/SS316	SS201/SS304/SS316
7	Thrust	PTFE	PTFE
8	Stem packing	PTFE	PTFE
9	Gland	SS201/SS304/SS316	SS201/SS304/SS316
10	Handle	SS201/SS304/SS316	SS201/SS304/SS316
11	Hand washer	SS201/SS304/SS316	SS201/SS304/SS316
12	Stem nut	SS201/SS304/SS316	SS201/SS304/SS316
13	Handle cover	Plastic	Plastic
Part Name	Material		
Body	WCB	CF8	CF8M
Cap	WCB	CF8	CF8M
Disc	CF8	CF8	CF8M
Seal ring	304,316, PTFE		
Gaskets	PTFE		

Specification



	DIMENSIONS		
DN	d	L	H
8 (¼")	12.5	50	49
10 (3/8")	12.5	50	49
15 (½")	15	56	51
20 (¾")	20	66	58
25 (1")	25	79	73
32 (1¼")	32	91	79
40 (1½")	38	99	85
50 (2")	50	121	95

NO.	PART NAME	MATERIAL
1	Body	ASTM A351-CF8M
2	Ball Seat	PTFE
3	Ball	ASTM A351-CF8M
4	Body Gasket	PTFE
5	Cap	ASTM A351-CF8M
6	Stem	AISI 316
7	Thrust Washer	PTFE
8	Stem Packing	PTFE
9	Gland Nut	AISI 304
10	Handle	AISI 304
11	Washer	AISI 304
12	Nut	AISI 304
13	Lock Device	AISI 304
14	Handle Cover	Plastic