

GENERAL NOTE - STRAINERS PRODUCTION

The Y filter is the most common and economical type of filter for permanent fluid or gas applications. Thanks to its compact construction, its light weight and its easy access for rapid cleaning, it is used for many generally standard system applications.

The full Y filter is a permanent filter type, inherently identical to the Y filter, but suitable for special applications. It is designed and machined from a single block of material, it is available in all standard materials (Carbon steel A105 Stainless Steel A182 F316) and on specific request by the customer in non-standard materials (Duplex S31803, Super Duplex S32750, Inconel, Hastelloy, Cunifer, etc.), on the specific request of the customer.

Like all the other filters, the full Y filter can be depressurized with appropriate gas release or drainage devices, making it possible to remove the cap and extract the filter element.

The standard equipment includes a screen suitable for high pressures, which is easy to maintain and replace and capable of filtration of more than 200% of the inlet area.

$$\text{OPEN AREA RATIO} = \frac{100 \times \text{Mesh Open Area} \times \text{Screen Area}}{\text{Inlet area}}$$

(The calculations are based on the filtering percentage of the mesh's surface area only.)

All of Blu Zac products have been designed to satisfy the requests and specific requirements of the customer, including high pressure applications.

Designed and fabricated to ASME VIII Div.1 and ASME B16.34 as standard.

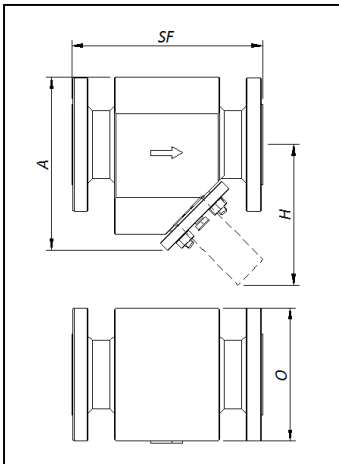
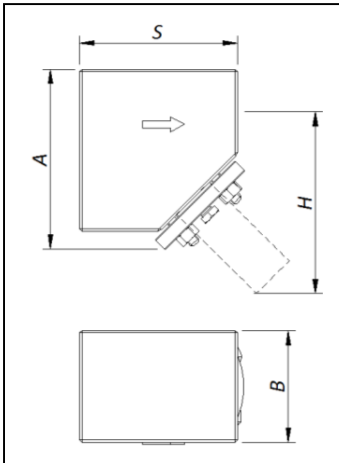
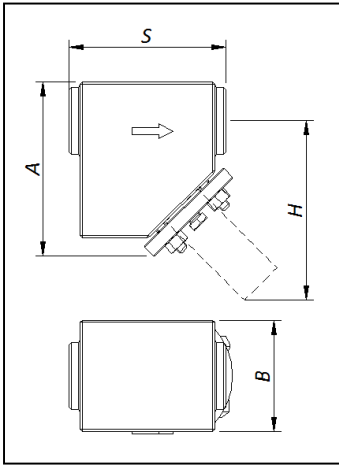


SIZES	
from 1/2" to 3"	

CONNECTIONS		
Buttweld	BW	ANSI B16.25
Flanged	FLG	ANSI B16.5
Socket Welding	SW	ANSI B16.11
Screwed	NPT BSP	ANSI B1.20.1 ANSI BS21

GENERAL NOTE - STRAINERS STANDARD PRODUCTION

INSTALLATION	 Incorrect	 Correct	 Correct	 Incorrect
CONNECTION	 SW & NPT & BSP	 BW	 Integral Flange	
DRAIN	 Drain NPT	 Drain SW		



Size	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	2.1/2"	3"
S (mm)						140		
A (mm)						160		
B (mm)						100		
H (mm)						165		
SF (mm)	150#					220		
	300#							
	600#							
	900#							
	1500#							
O (mm)	150#	89	99	108	117	152	127	152
	300#	95	117	124	133	165	156	165
	600#	95	117	124	133	165	156	165
	900#	121	130	149	159	216	178	216
	1500#	121	130	149	159	216	178	216

Note 1: the dimension S and SF are according to client request.

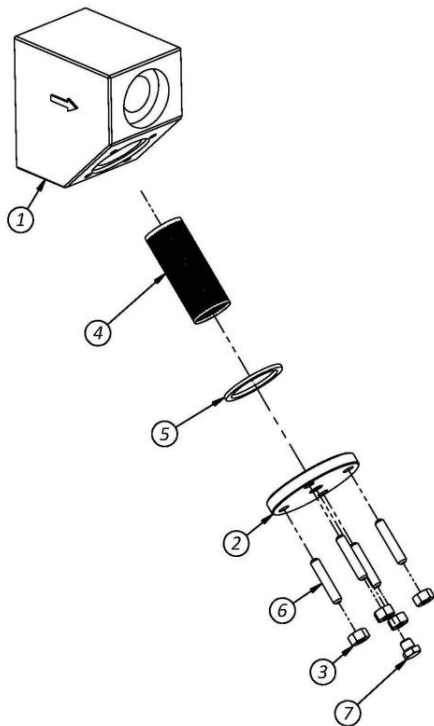
DIMENSION TOLLERANCE		
SIZE	DIMENSION*	
	S & SF	A & B & H
1/2" to 2.1/2"	± 1	± 2

Y - TYPE STRAINERS FYMA BC - Machined

POS	DESCRIPTION	MATERIALS	MATERIALS	MATERIALS	MATERIALS	SPARES
1	Body	ASTM A105	ASTM A350 LF2	ASTM A182 F304	ASTM A182 F316/316L	
2	Cover	ASTM A350 LF2	ASTM A350 LF2	ASTM A182 F316/316L	ASTM A182 F316/316L	
3	Screen	AISI 304 or 316	AISI 304 or 316	AISI 304 or 316	AISI 304 or 316	X
4	Gasket	SPW: F-Graphite W-316	SPW: F-Graphite W-316	SPW: F-Graphite W-316	SPW: F-GraphiteW-316	X
5	Studs	ASTM A193 B7	ASTM A320 L7	ASTM A193 B8	ASTM A193 B8	
6	Nuts	ASTM A194 Gr.2H	ASTM A194 Gr.4	ASTM A194 Gr.8	ASTM A194 Gr.8	
7	Plug	ASTM A350 LF2	ASTM A350 LF2	ASTM A182 F316/316L	ASTM A182 F316/316L	

Note 1: Other Materials and Dimensions on Request
Note 2: perforation standard 0,8mm

Note 3: drain standard is 1/4" NPT-F +plug for size $\leq 1"$
Note 4: drain standard is 1/2" NPT-F +plug for size $\geq 1.1/4"$



HOW TO MAKE FACILITIES SERVICES

Usually, the maintenance of the filters should be done once a year or when the pressure drop exceeds the normally expected pressure drop.

Important: check system at least once a month and, if possible, undertake a quick cleaning.

HOW TO MAINTAIN:

1. Before starting, wear the required safety equipment and follow all plant safety procedures.
2. Stop the main line to make sure that no residues of dangerous waste fluid could be emitted.
3. Unscrew cover studs(5) and nuts(6), then remove the cover flange(2) and gasket(4).
4. Remove the screen(3), clean the block with compressed air or any other appropriate tools. Inspect thoroughly to check for any damage; if the basket is damaged or deformed, it must be replaced with a new one.
5. Thoroughly clean the inside of the vessel before inserting the filter basket.
6. Install the basket in the body(1).
7. Replace the gasket(4).
8. Reposition the cover flange (2), then screw the studs(5) and nuts(6) of the cover.
9. Slowly start the plant and check if there are any line losses.
10. Apply a label to the filter with the maintenance date.

ORDER CODE

i.e. FYMA BC 2" BW-STD BC A105/F316 M40-00,4 +DRAIN 1/4" NPT

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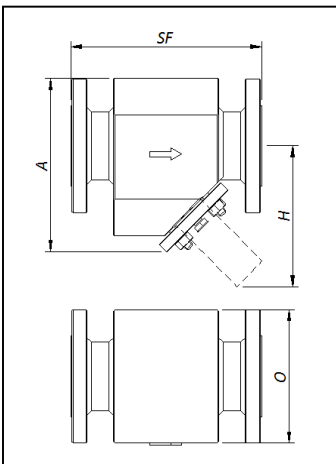
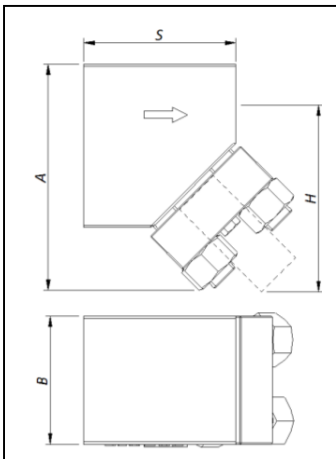
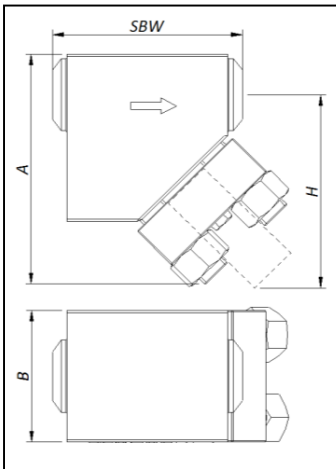
SIZES
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CONNECTIONS		
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INSTALLATION	 Correct	 Incorrect	 Correct	 Incorrect
CONNECTION	 SW & NPT & BSP	 BW	 Integral Flange	
DRAIN	 Drain NPT	 Drain SW		

Y - TYPE STRAINERS FYMA 2500 BC - Machined



Size	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	2.1/2"	3"
SBW (mm)				155	155	155		
S (mm)			120	140	140	140		
A (mm)			160	173	173	173		
B (mm)			90	110	110	110		
H (mm)			130	150	150	150		
SF (mm)	2500#					360		
O (mm)	2500#					235		
Wt (Kg)			10	12,4	12,4	12,4		
Wt flg (Kg)						65		

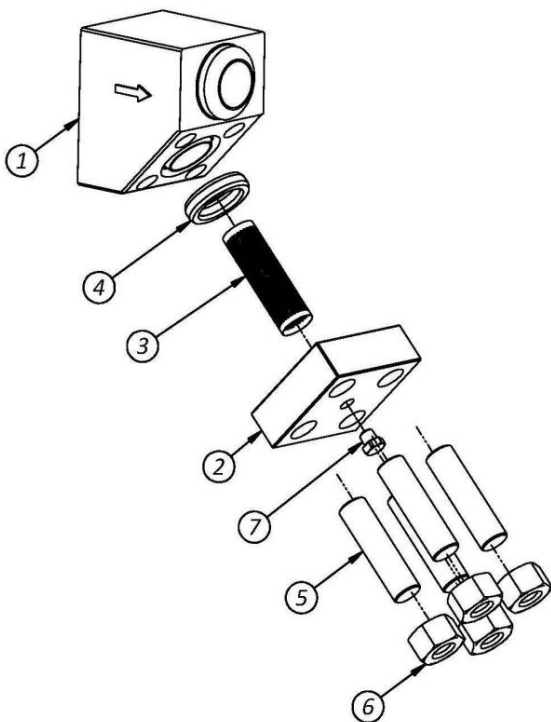
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2	Cover	ASTM A350 LF2	ASTM A350 LF2	ASTM A182 F316/316L	ASTM A182 F316/316L	
3	Screen	AISI 304 or 316	AISI 304 or 316	AISI 304 or 316	AISI 304 or 316	X
4	Gasket Ring Joint	Soft Iron	Soft Iron	Soft Iron	Soft Iron	X
5	Studs	ASTM A193 B7	ASTM A320 L7	ASTM A193 B8	ASTM A193 B8	
6	Nuts	ASTM A194 Gr.2H	ASTM A194 Gr.4	ASTM A194 Gr.8	ASTM A194 Gr.8	
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