

### GENERAL NOTE - STRAINERS PRODUCTION

Temporary filter, in-line, suitable for filtering fluids or gases, designed for brief periods of use, such as the fine-tuning and start-up of a plant. Installed to remove any coarse detritus such as rags, electrodes, deposits and rust left inside the pipes.

Comprising a rolled perforated sheet in the form of a cone welded perpendicularly to a ring joint, the conical filter is easy to install and replace because it is positioned between two flanges of a pipe.

Filter suitable for high pressures, easy to maintain and replace and capable of filtration of more than 200% of the inlet area.



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


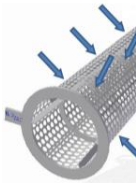
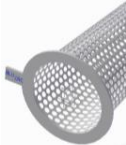


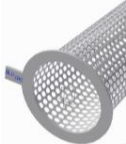

(The calculations are based on the filtering percentage of the mesh's surface area only.)

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

General notes: Standard production filters models

SIZES		
2" - 3" - 4" - 6" - 8" - 10" - 12" - 16" - 18" - 20" - 24"		
CONNECTIONS		
Flanged	FLG	ANSI B16.5

### GENERAL NOTE - STRAINERS STANDARD PRODUCTION

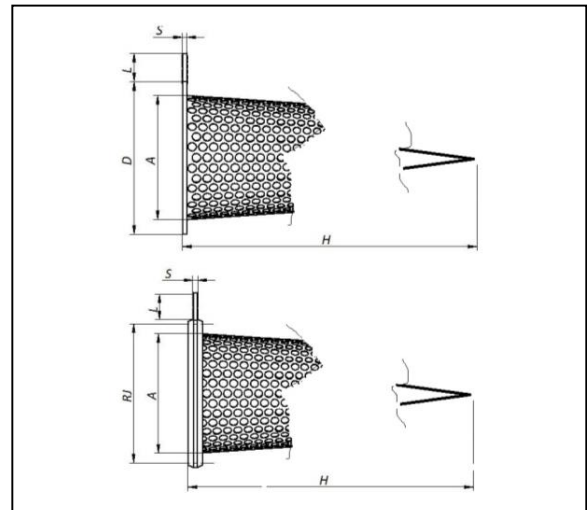
<b>FLOW</b>	 Internal Flow	 External Flow		
<b>REINFORCING</b>	 Without reinforcing	 With internal reinforcing	 With external reinforcing	
<b>CONNECTION</b>	 Connection RF or FF	 Connection RJ		

Size (inches)	1½"	2"	2.1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
<b>D</b>	73	92	105	127	157	216	270	324	381	412	470	534	584	692
<b>H</b>	100	130	170	190	240	350	460	570	700	800	900	1000	1100	1300
<b>L</b>	75-115	80-120	85-130	105-160	110-175	105-205	110-215	140-270	150-290	160-265	160-275	150-290	155-300	160-335
<b>S</b>	3	3	3	3	4	4	4	4	4	8	8	8	8	8
<b>A</b>	32	46	55	70	94	143	190	240	285	315	360	405	450	540
<b>Weight (kg)</b>	0,5	0,5	1	1	1,5	2	3,5	5	7	9	15	18	17	20

Note 1: Dimension : are in millimeters (mm)

Note 2: RJ connection are according to ASME B16.20 ( see below )

	150RJ	300RJ	600RJ	900RJ	1500RJ	2500RJ
1.1/2"	R19	R20	R20	R20	R20	R23
2"	R22	R23	R23	R24	R24	R26
2.1/2"	R25	R26	R26	R27	R27	R28
3"	R29	R31	R31	R31	R35	R32
4"	R36	R37	R37	R37	R39	R38
6"	R43	R45	R45	R45	R46	R47
8"	R48	R49	R49	R49	R50	R51
10"	R52	R53	R53	R53	R54	R55
12"	R56	R57	R57	R57	R58	R60
14"	R59	R61	R61	R62	R63	-
16"	R64	R65	R65	R66	R67	-
18"	R68	R69	R69	R70	R71	-
20"	R72	R73	R73	R74	R75	-
24"	R76	R77	R77	R78	R79	-



DIMENSION TOLLERANCE		
SIZE	DIMENSION*	
	D	B & S H & L
1/2" to 2.1/2"	± 1	± 1
3" to 4"	± 1	± 2
6" to 8"	± 2	± 3
10" to 18"	± 2	± 5
20" to 24"	± 3	± 8

\*S, SF, A, H and H1 are in millimeters (mm)

#### INSTALLATION INSTRUCTION

- 1) Install the basket in the body and between the two flanges
- 2) Position the gasket and the flange connection,
- 3) Then screw the studs and nuts of the flange in the correct position

#### MAINTENANCE INSTRUCTIONS

- 1) Unscrew cover studs and nuts, then remove the connection flange and gasket.
- 2) Remove the strainer and clean or replace it.
- 3) When you reinstall it, use a new gasket.

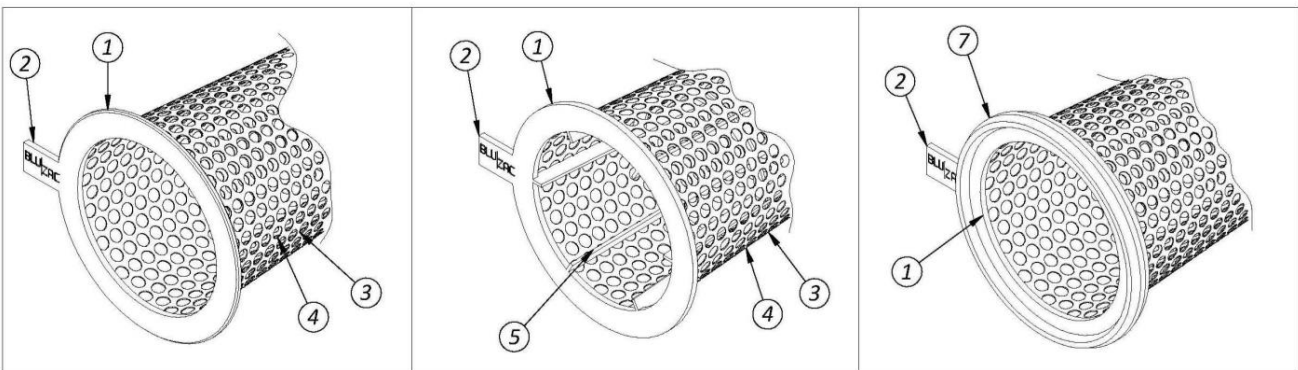
POS	DESCRIPTION	MATERIALS	MATERIALS	MATERIALS	MATERIALS	SPARES
1	Ring	ASTM A240 TP316	ASTM A240 TP316L	ASTM A240 TP304	ASTM A240 TP304L	
2	Handle	ASTM A240 TP316	ASTM A240 TP316L	ASTM A240 TP304	ASTM A240 TP304L	
3	Perforated Plate	ASTM A240 TP316	ASTM A240 TP316L	ASTM A240 TP304	ASTM A240 TP304L	
4	Mesh	AISI-316	AISI-316L	AISI-304	AISI-304L	
5	Frame	ASTM A182 F316	ASTM A182 F316L	ASTM A182 F304	ASTM A182 F304L	
7	Ring RJ	ASTM A182 F316	ASTM A182 F316L	ASTM A182 F304	ASTM A182 F304L	
8	Spacer Ring	ASTM A240 TP316	ASTM A240 TP316L	ASTM A240 TP304	ASTM A240 TP304L	<b>X</b>

POS	DESCRIPTION	MATERIALS	MATERIALS	MATERIALS	MATERIALS	SPARES
1	Ring	ASTM A240 UNS S31803	ASTM A240 UNS S32750	HASTELLOY	MONEL	
2	Handle	ASTM A240 UNS S31803	ASTM A240 UNS S32750	HASTELLOY	MONEL	
3	Perforated Plate	ASTM A240 UNS S31803	ASTM A240 UNS S32750	HASTELLOY	MONEL	
4	Mesh	UNS S31803	UNS S32750	HASTELLOY	MONEL	
5	Frame	ASTM A182 F51	ASTM A182 F53	HASTELLOY	MONEL	
7	Ring RJ	ASTM A182 F51	ASTM A182 F53	HASTELLOY	MONEL	
8	Spacer Ring	ASTM A240 UNS S31803	ASTM A240 UNS S32750	HASTELLOY	MONEL	<b>X</b>

Note 1: Other Materials and Dimensions on Request

Note 2: Detail 7 and 8 are optional if required by client.

Note 3: Detail 5 is optional; it is necessary for guaranty the resistance only when the differential pressure is greater than value of 1bar.



**ORDER CODE**

i.e. FCO1 2" 150RF M20-O1 AISI-304