

GENERAL NOTE - STRAINERS PRODUCTION

Permanent filter type, comprising two chambers that permit the filter to function continuously even during maintenance of the basket, allowing the operator to clean the basket without necessarily shutting down the entire line.

It offers a larger filtering surface area ensuring minimal loss of pressure even at high flow speeds, as well as a greater capacity for accumulating particulate.

The transition between online and standby can be effected using an integrated valve system controlled by a single lever.

Filter suitable for high pressures, easy to maintain and replace.

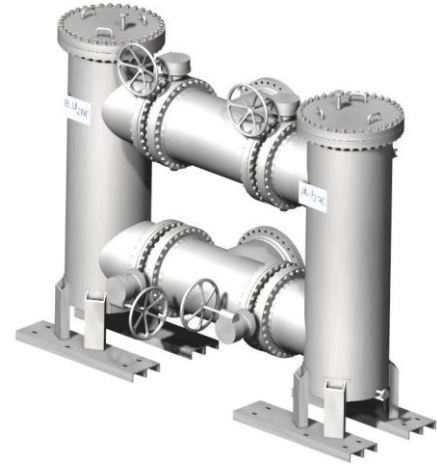
The standard equipment includes a screen suitable for high pressures, which is easy to maintain and replace and capable of filtration of more than 300% of the inlet area.

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

(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.








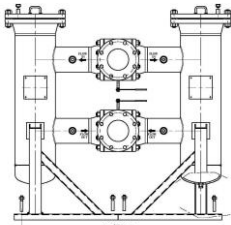
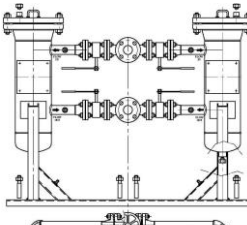
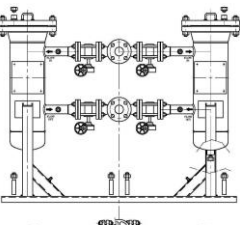
Designed and fabricated to ASME VIII Div.1 as standard but can also be supplied to other pressure vessel codes. I.e. ASME B31.3 etc.



SIZES		
2" - 3" - 4" - 6" - 8" - 10" - 12" - 16" - 18" - 20" - 24"		

CONNECTIONS		
Buttweld	BW	ANSI B16.25
Flanged	FLG	ANSI B16.5

GENERAL NOTE - STRAINERS STANDARD PRODUCTION

COVER	 Bolted Cover	 Clamp Connectors	 Bolted Cover with Davit	
DRAIN & VENT & PRESSURE GAUGE	 Drain NPT	 Drain Flanged + Blind	 Drain Valve	 Pressure Gauge
VALVE	 for 2" - 3" - 4" - 6" 150# for 2" - 3" - 4" - 6" 300#	 for 2" - 3" 600RF for 2" - 3" - 4" 900RF	 for Over 8" 150# & 300# for Over 4" 600# - Over 6" 900#	



DUPLEX - TYPE STRAINERS FDPX

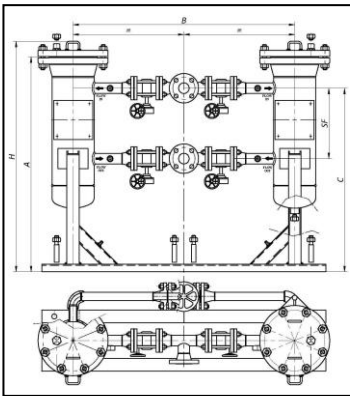
Doc. n°: 11C231015

Rev.00

Date: xx/xx/2016

S.Pagnanini

Pag.2/3



Rating	Size End	Size Body	SF (mm)	C (mm)	B (mm)	A (mm)	H (mm)	Weight (Kg)
150RF	2"	6"	300	850	894	1050	1175	110
	3"	6"	360	910	939	1110	1235	128
	4"	6"	450	1000	964	1200	1325	157
	6"	10"	510	1310	1336	1585	1715	398
	6"	10"	510	1310	1112	1585	1715	398
	8"	12"	527	1377	1917	1702	1834	518
	10"	14"	565	1615	2109	1965	2100	745
	12"	16"	598	1798	2343	2198	2335	1012
	14"	20"	638	2088	2607	2538	2680	1291
	16"	24"	729	2229	2920	2729	2877	1805
	18"	24"	754	2404	3161	2954	3102	1828
	20"	26" type A	1000	2800	3378	3350	3518	2630
	20"	26" type B	1000	2800	3294	3350	3495	2105
	24"	30" type A	900	2850	3812	3500	3675	4117
24"	30" type B	900	2850	3715	3450	3601	3364	
300#	2"	6"	300	850	983	1050	1187	84
	3"	6"	360	910	1028	1110	1247	93
	4"	6"	450	1000	1053	1225	1362	107
	6"	10"	510	1310	1424	1610	1758	254
	6"	10"	510	1310	1203	1610	1758	254
	8"	12"	814	1714	1999	2039	2190	417
	10"	14"	854	1904	2270	2354	2508	503
	12"	16"	945	2145	2504	2645	2802	669
	14"	20"	1050	2450	2907	3000	3164	1057
	16"	24"	885	2535	3286	3135	3305	1564
	18"	24"	1070	2720	3420	3370	3540	1677
	20"	26" type A	1110	2910	3679	3560	3739	2077
	20"	26" type B	1110	2910	3575	3510	3699	1864
	24"	30" type A	1207	3157	4058	3907	4099	3500
24"	30" type B	1207	3157	3957	3857	4051	3167	
600#	2"	6"	310	860	1768	1090	1244	135
	3"	6"	390	940	1960	1170	1324	151
	4"	6"	587	1162	1767	1412	1566	184
	6"	10"	754	1554	2215	1904	2074	485
	8"	12"	860	1810	2508	2210	2383	594
	10"	14"	795	1895	2806	2395	2571	850
	12"	16"	960	2210	3063	2760	2943	1093
	14"	20"	1032	2482	3448	3082	3277	1861
	16"	24"	1186	2836	3843	3486	3694	2678
	18"	24"	1189	2939	3971	3589	3797	2830
	20"	26" type A	1471	3371	4275	4071	4285	4004
	20"	26" type B	1471	3371	4148	4071	4289	3532
	24"	30" type A	1561	3611	4747	4411	4632	5537
	24"	30" type B	1561	3611	4639	4411	4644	5031
900#	2"	6"	754	1304	1780	1554	1716	180
	3"	6"	754	1354	1824	1604	1766	222
	4"	6"	754	1404	1936	1654	1816	239
	6"	10"	754	1654	2379	2004	2180	593
	8"	12"	776	1826	2807	2326	2512	709
	10"	14"	942	2142	3158	2692	2884	1075
	12"	16"	1239	2539	3530	3139	3334	1401
	14"	20"	1189	2639	4008	3289	3503	2582
	16"	24"	1236	2886	4450	3636	3882	3450
	18"	24"	1446	3196	4702	3996	4242	3925
	20"	26" type A	1546	3446	5110	4246	4492	4827
	20"	26" type B	1546	3446	5047	4246	4506	4355
	24"	30" type A	1733	3783	5847	4683	4939	6683
	24"	30" type B	1733	3783	5796	4683	4965	6177

DIMENSION TOLLERANCE

SIZE	DIMENSION*		
	SF	A C	B H
2" to 4"	± 1	± 5	± 10
6" to 8"	± 2	± 5	± 15
10" to 18"	± 3	± 10	± 30
20" to 24"	± 5	± 15	± 50

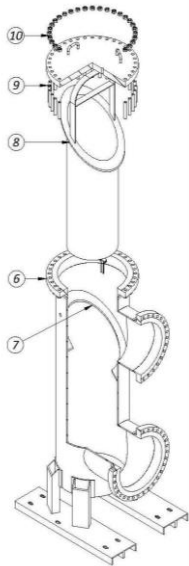
*S, SF, A, H and H1 are in millimeters (mm)

POS	DESCRIPTION	MATERIALS	MATERIALS	MATERIALS	MATERIALS	SPARES
1	Pipe	ASTM A106 Gr.B	ASTM A333 Gr.6	ASTM A312 TP304	ASTM A312 TP316	
2	Flange	ASTM A105	ASTM A350 LF2	ASTM A182 F304	ASTM A182 F316	
3	Tee	ASTM A234 WPB	ASTM A420 WPL6	ASTM A403 WP304	ASTM A403 WP316	
4	Valve	Carbon Steel	Carbon Steel	Stainless Steel	Stainless Steel	
5	Actuator	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel	
6	Gasket	SPW: F-Graphite W-316 IR-316 OR-CS	SPW: F-Graphite W-316 IR-316 OR-CS	SPW: F-Graphite W-316 IR&OR-316	SPW: F-Graphite W-316 IR&OR-316	X
7	Ring Screen	ASTM A516 Gr.60	ASTM A516 Gr.70	ASTM A240 Gr.304	ASTM A240 Gr.316	
8	Screen	AISI 316	AISI 316	AISI 316	AISI 316	X
9	Stud	ASTM A193 B7	ASTM A320 L7	ASTM A193 B8	ASTM A193 B8	
10	Nuts	ASTM A194 Gr.2H	ASTM A194 Gr.4	ASTM A194 Gr.8	ASTM A194 Gr.8	
11	Handle	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel	
12	Leg	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel	
-	Davit	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel	

Note 1: Other Materials and Dimensions on Request

Note 2: Detail Hinge, Davit and Leg are optional if required to client.

Note 3: When the Body material is Stainless Steel, standard accessories Hinge, Davit and Support will be in Carbon Steel material;



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(9) and nuts(10), then remove the blind flange(2) and gasket(6).
4. Remove the basket(8), 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(6).
8. Reposition the blind flange (2), then screw the studs(9) and nuts(10) 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. FDPX 2" 150RF BW-XS A105/F304 M3-O6 +DR&VT ¼" NPT
FDPX 2" 150RF 150RF XS A105/F304 M3-O6 +DR&VT ¾" NPT

