



CHINA CLASSIFICATION SOCIETY

Plan Approval Comments

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Approval No.:NP18A02404

Attn to : Filtersafe Ltd

Copy to: CCS Athens branch

This is to certify that the drawings and documents submitted by your kind company have been reviewed and are found to comply with the relevant CCS requirements in item No.3. This approval covers only applicable CCS requirements to the products. Please see comments in item No.4 if any.

1. Product particulars:

Product: Automatic Screen Filter (see comments No.4.1 below)

Type and Design pressure: BS101E/1.0 MPa, BS151E/1.0 MPa, BS201E/1.0 MPa, BS300E/0.8MPa, BS400E/0.8MPa, BS500E/0.8MPa, BS603E/0.7MPa, BS804E/0.7MPa, BS1004E/0.7MPa, BS1204E/0.7Mpa, BS1206E/0.7MPa, BS1406E/0.7MPa;

Design temperature :50 °C

Technical Data: refer to the returned document.

2. Intended for:

To be used for use on board.

3. Rules and /or Standard:

3.1 Chapter 6, Part Three of the Society's "Rules for Classification of Sea-going Steel Ships (2018)".

4. Comments:

- 4.1 Only the steel filter pressure vessel body is included in the approval, no other filter elements and auxiliary apparatus are included.
- 4.2 Pressure test under 1.5 times design pressure for the body should be carried out with satisfactory result.
- 4.3 Pressure relief valves should be installed in the piping system to prevent from over-pressure.
- 4.4 Back cap thickness are different between calculation and drawing for model BS603E and etc., it can be acceptable that the thickness in the drawing should not be thinner than that indicated in the calculation.

5. Remarks:

- 5.1 The above products drawing is approved only according to general purpose for sea-going ship classed with CCS, they should comply with the specified requirements for special purpose which should be approved by CCS surveyor.
- 5.2 Screen aperture rating (micron) is not included in this approval, function test shall be carried out after installation of filter internal elements.
- 5.3 Operation manual should be confirmed by CCS surveyor.

6. Attachment:

Return list for drawings/documents of products.

Examined by : Zhao Wei

Approved by: Wan Xiaolei

Issued by: CCS Product Plan Approval Center

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RETURN LIST FOR DRAWINGS/DOCUMENTS OF PRODUCTS

Product: Automatic Screen Filter Type 'E'

No.	Title	Drawings/ Documents No.	Approved	Noted	Comment
1	(BS101/151/201)			X	
2	List of submitting documents			X	
3	CALCULATION DESCRIPTION BS-101E\151E\201E WITH CORDANCE TO CCS RULES	Doc-00-074	X		
4	Filter Body 101-E	BS101EW-001	X		X
5	Inlet Chamber 24" HV (BS101E/151E/201E)	BS101EW-002	X		
6	Inlet Chamber 24" Pre-Filtration XX" DIN PN10	BS101W-001	X		
7	Front Lid (HD)	LID024W-0000913	X		
8	Flushing Chamber XDV (101E...1206E)	BS804EW-0001067	X		
9	REDUCER FLANGE EN VICX3"DIN	MAN-0001163	X		
10	Filter Body BS201 & 101 & 151 WELDING MAP	BS201-101-151-WELDI NG MAP	X		
11	Filter Body BS151-E	BS151EW-001	X		X
12	Filter Body BS201-E	BS201EW-001	X		X
13	CALCULATION DESCRIPTION BS-300E\400E\500E WITH ACCORDANCE TO CCS RULES	Doc-00-076	X		
14	Filter Body BS300-E	BS300EW-001	X		X
15	Base Lid 36" E (T=40mm)	LID036EW-0001220	X		
16	Reducer Flange (For 36"E) 6"VIC x 3"DIN (C.ST)	MAN-0001235	X		
17	Filter Body BS300/400/500-E Welding Map	BS300-400-500 inspection	X		
18	Filter Body BS400-E	BS400EW-001	X		X
19	Filter Body BS500-E	BS500EW-001	X		X
20	CALCULATION DESCRIPTION BS-603E BS-804E/1004E/1204E BS-1206E/1406E WITH ACCORDANCE TO CCS RULES	Doc-00-078	X		

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No.	Title	Drawings/ Documents No.	Approved	Noted	Comment
21	Filter Body BS603E-XX"	BS603EW-001	X		X
22	Flushing Chamber Connection Pipe For BS603E 420.4mm	PIP-0001323	X		
23	Flushing Chamber Connection Pipe For FBS603E 173mm	PIP-0001324	X		
24	Flushing Chamber Connection Pipe 100mm	PIP-0001326	X		
25	BS603E Flushing Manifold (2Vx6"DIN)	MAN-0001249	X		
26	Filter Body BS804E-XX"	BS804EW-001	X		X
27	Filter body BS804E/1004E/1204E WELDING MAP	BS804-1004-1024 inspection	X		
28	Flushing Chamber Flange VF	BS804EW-0000941	X		
29	Flushing Chamber Connection Pipe 168mm	PIP-0001325	X		
30	Filter Body BS1004E- XX"	BS1004EW-001	X		X
31	Filter Body BS1204E- XX"	BS1204EW-001	X		X
32	Filter Body BS1206E-XX"	BS1206EW-001	X		X
33	Filter Body BS1206E/BS1406E WELDING MAP	S1206E-1406E-inspection	X		
34	Flushing Chamber Connection Pipe 427mm	PIP-0001410	X		
35	Flushing Manifold 3Vx6"XXX (BS1206E/1406E)	MAN-0001412	X		
36	Filter Body BS1406E-XX"	BS1406EW-001	X		X
Remark:					

Note: Mark of "×" in the column of "Approved" or "Noted" indicates that the drawing or document has been approved or noted by CCS, "Comment" indicates that there is comment on the drawing or document.