



U. S. Department of Homeland Security
United States Coast Guard
Certificate of Approval

Coast Guard Approval Number: 161.002/46/0

Expires: 14 January 2018

FIRE PROTECTIVE SYSTEM

AUTRONICA FIRE AND SECURITY AS
7483 TRONDHEIM
NORWAY

AutroSafe Fire Alarm System.

System is a computerized fully addressable fire detection system consisting of control panel, initiating devices, notification devices, and accessories identified in Approved Component List (USCG) that is identified below.

IDENTIFYING DATA:

Installation Handbook, Fire Alarm Control Panel, BS-310/320, Controller, BC-320 (AFS document reference: P-ASAFE-FA/DE Rev H, 2007-10-16);
Installation and Operation Addendum for AutroSafe Fire Alarm System as U.S. Coast Guard Approved System (AFS document reference: AutroSafe_USCG_2005_02_01); and
Approved Component List (USCG) (AFS document reference: AutroSafe_USCG_2012-09-19).

Test reports: FM Approvals - Project ID 3008100, Class 3010 dated November 2, 2001; Project ID 3012154, Class 3010 dated 9 April 2002; Project ID 3007264 dated 3 Oct 2000; Project ID 3017881, Class 3260, 3611 dated 25 June 2003. DNV Report No. 2009-3598, Rev 1, issued 2009-11-20.

Only those components listed in the Approved Component List (USCG) may be used under this certificate. Specific requirements for installation as a US Coast Guard Approved System are in Installation and Operation Addendum for AutroSafe Fire Alarm System as U.S. Coast Guard Approved System.

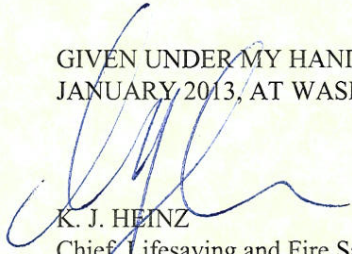
Supersedes and extends certificate 161.002/46/0 dated 24 August 2012 due to additions to approved component list.

*** END ***

THIS IS TO CERTIFY THAT the above named manufacturer has submitted to the undersigned satisfactory evidence that the item specified herein complies with the applicable laws and regulations as outlined on the reverse side of this Certificate, and approval is hereby given. This approval shall be in effect until the expiration date hereon unless sooner canceled or suspended by proper authority.



GIVEN UNDER MY HAND THIS 14th DAY OF
JANUARY 2013, AT WASHINGTON D.C.


K. J. HEINZ
Chief, Lifesaving and Fire Safety Division
BY DIRECTION OF THE COMMANDANT

TERMS: The approval of the item described on the face of the Certificate has been based upon the submittal of satisfactory evidence that the item complies with the applicable provisions of the navigation and shipping laws and the applicable regulations in Title 33 and/or Title 46 of the Code of Federal Regulations. The approval is subject to any conditions noted on this Certificate and in the applicable laws and regulations governing the use of the item on vessels subject to Coast Guard inspection or on other vessels and boats.

Consideration will be given to an extension of this approval provided application is made 3 months prior to the expiration date of this Certificate.

The approval holder is responsible for making sure that the required inspections or tests of materials or devices covered by this approval are carried out during production as prescribed in the applicable regulations.

The approval of the item covered by this certificate is valid only so long as the item is manufactured in conformance with the details of the approved drawings, specifications, or other data referred to. No modification in the approved design, construction, or materials is to be adopted until the modification has been presented for consideration by the Commandant and confirmation received that the proposed alteration is acceptable.

NOTICE: Where a manufacturer of safety-at-sea equipment is offering for sale to the maritime industry, directly or indirectly, equipment represented to be approved, which fails to conform with either the design details or material specifications, or both, as approved by the Coast Guard, immediate action may be taken to invoke the various penalties and sanctions provided by law including prosecution under 46 U.S.C. 3318, which provides:

"A person that knowingly manufactures, sells, offers for sale, or possesses with intent to sell, any equipment subject to this part (*Part B. of Subtitle II of Title 46 U.S.C.*) and the equipment is so defective as to be insufficient to accomplish the purpose for which it is intended, shall be fined not more than \$10,000, imprisoned for not more than 5 years or both."

APPROVED
Subject to conditions in
Commandant (CG-ENG-4) approval certificate

№ 161.002/46/0
dated January 14, 2013

Authorized components list - USCG approval


Chief, Lifesaving and Fire Safety Division
By direction of the Commandant, USCG

For fire alarm system type AutoSafe 3:

No	Designation	Description	Product specification	Typical location
1	BS-310	Fire alarm control panel	bs310r_ce.pdf	Accommodation space, dry control room
2	BS-320	Fire alarm control panel	bs320_ce.pdf	Accommodation space, dry control room
3	BS-330	Operator panel	bs330_ce.pdf	Accommodation space, dry control room
4	BC-320	Controller	bc320_ce.pdf	Accommodation space, dry control room
5	BU-320	Repeater panel	bu320_ce.pdf	Accommodation space, dry control room
6	BV-320	Information panel	bv320_ce.pdf	Accommodation space, dry control room
7	SY-310	Battery cabinet	sy310_cgb.pdf	Accommodation space, dry control room
8	BD-200	Heat detector	bd200_cgb.pdf	Accommodation space, dry control room
9	BD-300	Heat detector	bd300_cgb.pdf	Machinery room, galley, laundries
10	BD-500	Heat detector	bd500_cgb.pdf	Machinery room, galley, laundries
11	BD-500/EX	EX-variant, Zone 0 and 1	bd500ex_cgb.pdf	Machinery room, galley, laundries
12	BD-501	Heat detector, IP 56	bd501_cgb.pdf	Open decks
13	BD-501/EX	EX-variant, Zone 0 and 1	bd501ex_cgb.pdf	Open decks
14	BH-200	Optical smoke det.	bh200_cgb.pdf	Accommodation space, dry control room
15	BH-300	Optical smoke det. w/SelfVerify	bh300_cgb.pdf	Machinery room, galley, laundries
16	BH-500	Optical smoke det., envirnom. prot.	bh500_cgb.pdf	Machinery room, galley, laundries
17	BH-500/N	EX-variant, Zone 2	bh500_cgb.pdf	Machinery room, galley, laundries
18	BH-500/EX	EX-variant, Zone 0 and 1	bh500ex.pdf	Machinery room, galley, laundries
19	BH-320	Multisensor w/SelfVerify	bh320_cgb.pdf	Machinery room, galley, laundries
20	BH-520	Multisensor, environm. Protection	bh520_cgb.pdf	Machinery room, galley, laundries
21	BH-520/EX	EX-variant, Zone 0 and 1	bh520ex_cgb.pdf	Machinery room, galley, laundries
22	BF-300	Manual Call Point w/SelfVerify	bf300_cgb.pdf	Machinery room, galley, laundries
23	BF-500/N	EX-variant, Zone 2	bf300_cgb.pdf	Machinery room, galley, laundries
24	BF-300V2	Manual Call Point w/SelfVerify	bf300v2_cgb.pdf	Machinery room, galley, laundries
25	BF-300M	Metal encapsulation, cable glands	bf300m_cgb.pdf	Machinery room, galley, laundries
26	BF-510WP-H	Manual Call Point w/SelfVerify	bf510wph_cgb.pdf	Open decks
27	BF-500V2/EX	(note 1)	bf500v2ex_cgb	Machinery room, galley, laundries
28	BF-501	Manual Call Point, IP 66	bf501_cgb.pdf	Accommodation space, dry control room
29	BF-501/EX	EX-variant, Zone 0 and 1	bf501ex_cgb.pdf	Accommodation space, dry control room
30	BF-502	Manual Call Point, IP 66	bf502_cgb.pdf	Open decks
31	BF-502/EX	EX-variant, Zone 0 and 1	bf502ex_cgb.pdf	Open decks
32	BZ-500	EX-barrier unit	bz500_cgb.pdf	Accommodation space, dry control room
33	BBR-200	Addressable sounder	bbr200_ce.pdf	Machinery room, galley, laundries
34	BW-201	Disable input unit	bw201_cgb.pdf	Open decks
35	BN-300	Input unit with SelfVerify	bn300_cgb.pdf	Machinery room, galley, laundries
36	BN-310	Single relay output unit	bn310_cgb.pdf	Machinery room, galley, laundries
37	BN-320	Interface unit with SelfVerify	bn320_cgb.pdf	Machinery room, galley, laundries
38	Autroflame X33/1	Flame detector	x33af_cgb.pdf	Open decks
39	Autroflame X33	Flame detector	x33af_cgb.pdf	Open decks