

List of MARINE type approvals

ABS	Certificate number	Issued at	Valid until	HI-FOG system	Regulation
Ducts	16-LD1518446-PDA	Jun 2016	Jun 2021	EPU & SPU	Ducts ISO15371:2009
Machinery local application	16-LD1588174-PDA	Jan 2017	Jan 2022	GPU	GPU Circ.913 & 1387
Deep fat fryer	17-LD1677637-2-PDA	Jul 2019	Oct 2022	EPU & SPU & KBU	DFF ISO15371:2009
Accomodation, public spaces and storage areas HF1900	18-LD1728787-PDA	Apr 2018	Apr 2023	GPU&SPU	HI-FOG1900 Res.A.800(19)
Ro-Ro spaces and special category spaces	18-LD1735565-PDA	May 2018	May 2023	EPU & SPU	Ro-Ro Circ.1272 & 1430
Balcony	18-LD1735585-PDA	May 2018	May 2023	EPU & SPU	Balcony Circ.1268
Machinery space low pressure bilge foam	18-LD1735573-PDA	May 2018	May 2023	Custom	Bilge foam Circ.1165
Machinery local application	18-LD1735581-PDA	May 2018	May 2023	EPU & SPU	ML5-ML9 Circ.913 & 1387
Machinery space total flooding 1500m3	19-LD1817819-PDA	May 2019	May 2024	GPU	GPU Circ.1165
Machinery space total flooding 6600m3	19-LD1884630-PDA	Aug 2019	Aug 2024	EPU & SPU	MT4 Circ.1165
Accomodation, public spaces and storage areas HF3000	19-LD1896895-PDA	Sep 2019	Sep 2024	EPU & SPU	HI-FOG3000 Res.MSC.265(84)

Bureau Veritas	Certificate number	Issued at	Valid until	HI-FOG system	Regulation
Machinery space total flooding 1500m3	09484/D0 BV	Sep 2016	Feb 2022	GPU	GPU Circ.1165
Machinery local application	09485/D0 MED	Aug 2017	Aug 2022	GPU	GPU Circ.913 & 1387
Machinery local application	12873/D0 MED	Aug 2017	Aug 2022	EPU & SPU	ML5-ML9 Circ.913 & 1387
Machinery space low pressure bilge foam	31907/A1 BV	Aug 2017	Nov 2022	Custom	Bilge foam Circ.1165
Ro-Ro spaces and special category spaces	21458/C0 BV	Sep 2019	Sep 2024	EPU & SPU	Ro-Ro Circ.1272 & 1430
Accomodation, public spaces and storage areas HF3000	39817/A0 BV	Dec 2019	Dec 2024	EPU & SPU	HI-FOG3000 Res.MSC.265(84)
Pipe Fittings	59887/A0 BV	May 2020	May 2025	Custom	Component approval
Machinery space total flooding 6600m3	17131/D0 BV	Jul 2020	Jul 2025	EPU & SPU	MT4 Circ.1165
Accomodation, public spaces and storage areas HF1900	43614/B0 BV	Nov 2020	Dec 2025	GPU&SPU	HI-FOG1900 Res.A.800(19)
Deep fat fryer	35595/B0 BV	May 2021	May 2026	EPU & SPU & KBU	DFF ISO15371:2009
Ducts	45724/B0 BV	Mar 2021	Jun 2026	EPU & SPU	Ducts ISO15371:2009

Bureau Veritas MED EC Type Examination Certif. 2014/90/EU on Marine Equipment (MED)	Certificate number	Issued at	Valid until	HI-FOG system	Regulation
Machinery local application	09485/D0 MED	Aug 2017	Aug 2022	GPU	GPU Circ.913 & 1387
Machinery local application	12873/D0 MED	Aug 2017	Aug 2022	EPU & SPU	ML5-ML9 Circ.913 & 1387



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China Classification Society	Certificate number	Issued at	Valid until	HI-FOG system	Regulation
Ducts	SW18PTB00001_05	May 2019	Mar 2023	EPU & SPU	Ducts ISO15371:2009
Deep fat fryer	SW18PTB00001_02	May 2019	Mar 2023	EPU & SPU & KBU	DFF ISO15371:2009
Machinery local application	SW18PTB00001_04	May 2019	Mar 2023	EPU & SPU	ML5-ML9 Circ.913 & 1387
Machinery space total flooding 6600m3	SW18PTB00001_03	May 2019	Mar 2023	EPU & SPU	MT4 Circ.1165
Accommodation, public spaces and storage areas HF3000	SW18PTB00001_01	May 2019	Mar 2023	EPU & SPU	HI-FOG3000 Res.MSC.265(84)

DNV	Certificate number	Issued at	Valid until	HI-FOG system	Regulation
Quality	63724-2009-AQ-FIN-FIN	Jun 2018	Oct 2021	Quality	ISO9001
SVQ valve	TAP000006D	Nov 2015	Jun 2020	SVQ	DNV valve
Machinery local application	TAF00000E6	Sep 2016	Jun 2021	GPU	GPU Circ.913 & 1387
Machinery local application	TAF00000E5	Sep 2016	Jun 2021	EPU & SPU	MLPU Circ.913 & 1387
Machinery local application	TAF00000E7	Sep 2016	Jun 2021	EPU & SPU	ML9 Circ.913 & 1387
Combustion turbines, machinery spaces, and special hazard machinery spaces in enclosures with volumes up to, and including 260 m ³	262.1-021221-J-4, Rev.2	Mar 2020	Dec 2023	MAU	Machinery space 260 m ³
Accommodation, public spaces and storage areas HF1900	TAF00001BF	Oct 2019	Oct 2024	GPU&SPU	HI-FOG1900 Res.A.800(19)
Pipe Fittings	TAP0000273	Nov 2020	Nov 2025	Custom	Component approval

DNVGL MED MED EC Type Examination Certif. 2014/90/EU on Marine Equipment (MED)	Certificate number	Issued at	Valid until	HI-FOG system	Regulation
Ducts	MEDB0000193	Aug 2016	Aug 2021	EPU & SPU	Ducts ISO15371:2009
Machinery space low pressure bilge foam	MEDB00003G6	Dec 2017	Dec 2022	Custom	Bilge foam Circ.1165
Machinery space total flooding 1500m3	MEDB00003SE	Feb 2018	Feb 2023	GPU	GPU Circ.1165
Deep fat fryer	MEDB000065G	Jan 2020	Jan 2025	EPU & SPU & KBU	DFF ISO15371:2009
Machinery space total flooding 6600m3	MEDB00000E9rev1	Mar 2020	Mar 2025	EPU & SPU	MT4 Circ.1165
Accommodation, public spaces and storage areas HF3000	MEDB00006R0	Jul 2020	Jul 2025	EPU & SPU	HI-FOG3000 Res.MSC.265(84)
Balcony	MEDB00000ED rev1	Dec 2020	Dec 2025	EPU & SPU	Balcony Circ.1268
Ro-Ro spaces and special category spaces	MEDB00000EC rev1	Mar 2021	Mar 2026	EPU & SPU	Ro-Ro Circ.1272 & 1430



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Lloyd's Register	Certificate number	Issued at	Valid until	HI-FOG system	Regulation
Ro-Ro spaces and special category spaces deluge	LR1900487SF-03	Feb 2020	Jan 2021	EPU & SPU	Ro-Ro Circ.1272 & 1430
Ro-Ro spaces and special category spaces sprinkler	LR1900498SF-03	Feb 2020	Jan 2021	EPU & SPU	Ro-Ro Circ.1272 & 1430
Ducts	SAS F170075	Apr 2017	Apr 2022	EPU & SPU	Ducts ISO15371:2009
Machinery local application	LR2096094SF	Aug 2020	Dec 2022	GPU	GPU Circ.913 & 1387
Machinery local application	SAS F180094	Dec 2017	Dec 2022	EPU & SPU	ML5-ML9 Circ.913 & 1387
Machinery space low pressure bilge foam	SAS F180159	Mar 2018	Mar 2023	Custom	Bilge foam Circ.1165
Balcony	LR1900473SF	Jun 2014	May 2024	EPU & SPU	Balcony Circ.1268
Deep fat fryer	LR1900480SF	Jul 2014	Jul 2024	EPU & SPU & KBU	DFE ISO15371:2009
Machinery space total flooding 6600m3	LR2015039SF	Feb 2020	Feb 2025	EPU & SPU	MT4 Circ.1165
Accommodation, public spaces and storage areas HF3000	LR2004242SF	Feb 2020	Feb 2025	EPU & SPU	HI-FOG3000 Res.MSC.265(84)
Machinery space total flooding 1500m3	LR2096154SF	Mar 2020	Mar 2025	GPU	GPU Circ.1165
Accommodation, public spaces and storage areas HF1900	LR2096244SF	Aug 2020	Aug 2025	GPU	HI-FOG1900 Res.A.800(19)
Accommodation, public spaces and storage areas HF1900	LR2096239SF	Aug 2020	Aug 2025	EPU & SPU	HI-FOG1900 Res.A.800(19)

RINA	Certificate number	Issued at	Valid until	HI-FOG system	Regulation
Machinery local application	FPE324417XG	Nov 2017	Nov 2022	EPU & SPU	ML5-ML9 Circ.913 & 1387
Machinery space low pressure bilge foam	FPE036914CS	Feb 2019	Feb 2024	Custom	Bilge foam Circ.1165
Accommodation, public spaces and storage areas HF1900	FPE047119XG	Mar 2019	Mar 2024	GPU&SPU	HI-FOG1900 Res.A.800(19)
Machinery space low pressure bilge foam	FPE036914CS	Feb 2019	Feb 2024	Custom	Bilge foam Circ.1165
Accommodation, public spaces and storage areas HF1900	FPE047119XG	Mar 2019	Mar 2024	GPU&SPU	HI-FOG1900 Res.A.800(19)
Machinery space total flooding 6600m3	FPE246919XG	Oct 2019	Oct 2024	EPU & SPU	MT4 Circ.1165
Deep fat fryer	FPE304919XG	Oct 2019	Oct 2024	EPU & SPU & KBU	DFE ISO15371:2009
Accommodation, public spaces and storage areas HF3000	FPE282319XG	Oct 2019	Oct 2024	EPU & SPU	HI-FOG3000 Res.MSC.265(84)
Balcony	FPE015720XP/002	Mar 2020	Mar 2025	EPU & SPU	Balcony Circ.1268
Ro-Ro spaces and special category spaces	FPE015720XP/001	Mar 2020	Mar 2025	EPU & SPU	Ro-Ro Circ.1272 & 1430
Ducts	FPE040421XP	Jun 2021	Jun 2026	EPU & SPU	Ducts ISO15371:2009



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Russian Maritime Register of Shipping	Certificate number	Issued at	Valid until	HI-FOG system	Regulation
Ducts	17.00386.313	Jan 2017	Jan 2022	EPU & SPU	Ducts ISO15371:2009
Machinery local application	17.00382.313	Jan 2017	Jan 2022	EPU & SPU	ML5-ML9 Circ.913 & 1387
Machinery local application	17.00379.313	Jan 2017	Jan 2022	GPU	GPU Circ.913 & 1387
Machinery space total flooding 1500m3	17.00378.313	Jan 2017	Jan 2022	GPU	GPU Circ.1165
Machinery space total flooding 6600m3	17.00379.313	Jan 2017	Jan 2022	EPU & SPU	MT4 Circ.1165
Ro-Ro spaces and special category spaces	17.00384.313	Jan 2017	Jan 2022	EPU & SPU	Ro-Ro Circ.1272 & 1430
Machinery space low pressure bilge foam	18.50084.260	Nov 2018	Nov 2023	Custom	Bilge foam Circ.1165
Deep fat fryer	21.30005.260	Jan 2021	Jan 2025	EPU & SPU & KBU	DFF ISO15371:2009
Acomodation, public spaces and storage areas HF3000	21.30004.260	Jan 2021	Jan 2025	EPU & SPU	HI-FOG3000 Res.MSC.265(84)

Panama Maritime Authority	Certificate number	Issued at	Valid until	HI-FOG system	Regulation
Machinery local application	SEG-TEC-RG02/06/70	Jun 2002	Continuous	EPU & SPU	MLPU Circ.913 & 1387
Accomodation and public spaces	SEG-TEC-RG02/06/80	Jun 2002	Continuous	EPU & SPU	HI-FOG2000 Res.A.800(19)

US Coast Guard	Certificate number	Issued at	Valid until	HI-FOG system	Regulation
Machinery space total flooding 1500m3	162.135/6/0	Sep 2016	Sep 2021	GPU	GPU Circ.1165
Machinery local application	162.135/7/0	May 2018	May 2023	SPU	MLPU Circ.913 & 1387
Machinery space total flooding 6600m3	162.135/11/0	Oct 2018	Oct 2023	EPU & SPU	MT4 Circ.1165
Accomodation, public spaces and storage areas HF3000	162.135/18/0	Oct 2018	Oct 2023	EPU & SPU	HI-FOG3000 Res.MSC.265(84)
Accomodation, public spaces and storage areas HF1900&2000	162.135/9/0	Oct 2018	Oct 2023	EPU & SPU	HI-FOG1900&2000 Res.A.800(19)
Gas turbine encl., paint lockers and mach. spaces up to and including 260m ³	162.135/13/0	Nov 2018	Nov 2023	MAU	Machinery space 260 m ³

