

# List of MARINE type approvals

ABS	Certificate number	Issued at	Valid unti	HI-FOG system	Regulation
Deep fat fryer	14-PR1144943-PDA	Mar 2014	Mar 2019	EPU & SPU & KBU	DFE ISO15371:2009
Machinery space total flooding 1500m3	04-LD411874/5-PDA	Apr 2014	Apr 2019	GPU	GPU Circ.1165
Accomodation, public spaces and storage areas HF3000	14-GD1278794-PDA	Nov 2014	Nov 2019	EPU & SPU	HI-FOG3000 Res.MSC.265(84)
Machinery space total flooding 6600m3	15-LD1433474-PDA	Oct 2015	Oct 2020	EPU & SPU	MT4 Circ.1165
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
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	!8-LD1735565-PDA	May 2018	May 2023	EPU & SPU	Ro-Ro Circ.1272 & 1430
Balcony	!8-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	Jan 1900	May 2023	EPU & SPU	ML5-ML9 Circ.913 & 1387

Bureau Veritas	Certificate number	Issued at	Valid unti	HI-FOG system	Regulation
Ro-Ro spaces and special category spaces	21458/B0 BV	May 2014	Aug 2019	EPU & SPU	Ro-Ro Circ.1272 & 1430
Accomodation, public spaces and storage areas HF3000	39817/A0 BV	Jan 2015	Jan 2020	EPU & SPU	HI-FOG3000 Res.MSC.265(84)
Accomodation, public spaces and storage areas HF1900	43614/A1 BV	Jul 2018	Dec 2020	GPU&SPU	HI-FOG1900 Res.A.800(19)
Deep fat fryer	35595/A1 BV	Nov 2017	Dec 2020	EPU & SPU & KBU	DFE ISO15371:2009
Machinery space total flooding 6600m3	17131/C0 BV	Nov 2015	Jan 2021	EPU & SPU	MT4 Circ.1165
Ducts	45724/A0 BV	Jun 2016	Jun 2021	EPU & SPU	Ducts ISO15371:2009
Machinery space total flooding 1500m3	09484/D0 BV	Sep 2016	Feb 2022	GPU	GPU Circ.1165
Machinery space low pressure bilge foam	31907/A1 BV	Aug 2017	Nov 2022	Custom	Bilge foam Circ.1165

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<b>Bureau Veritas MED EC Type Examination Certificate Council Directive 96/98 EC on Marine Equipment (MED)</b>	<b>Certificate number</b>	<b>Issued at</b>	<b>Valid until</b>	<b>HI-FOG system</b>	<b>Regulation</b>
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

<b>China Classification Society</b>	<b>Certificate number</b>	<b>Issued at</b>	<b>Valid until</b>	<b>HI-FOG system</b>	<b>Regulation</b>
Machinery local application	SW16T00001_04	May 2016	Mar 2019	EPU & SPU	ML5-ML9 Circ.913 & 1387
Deep fat fryer	SW16T00001_02	May 2016	Mar 2019	EPU & SPU & KBU	DFE ISO15371:2009
Machinery space total flooding 6600m <sup>3</sup>	SW16T00001_03	May 2016	Mar 2019	EPU & SPU	MT4 Circ.1165
Accommodation, public spaces and storage areas HF3000	SW16T00001_01	May 2016	Mar 2019	EPU & SPU	HI-FOG3000 Res.MSC.265(84)
Ducts	SW18T00002	May 2018	Mar 2019	EPU & SPU	Ducts ISO15371:2009

<b>DNV (now DNV-GL) (+ former Germanischer Lloyd's approvals)</b>	<b>Certificate number</b>	<b>Issued at</b>	<b>Valid until</b>	<b>HI-FOG system</b>	<b>Regulation</b>
Accommodation, public spaces and storage areas HF3000	F-21116	May 2015	Jun 2019	EPU & SPU	HI-FOG3000 Res.MSC.265(84)
Accommodation, public spaces and storage areas HF1900	TAF0000023 Rev1	Mar 2018	Jul 2019	GPU&SPU	HI-FOG1900 Res.A.800(19)
Combustion turbines, machinery spaces, and special hazard machinery spaces in enclosures with volumes up to, and including 260 m <sup>3</sup>	262.1-021221-J-1, Rev.1	Dec 2015	Dec 2019	MAU	Machinery space 260 m <sup>3</sup>
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

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<b>DNV MED EC Type Examination Certificate Council Directive 96/98 EC on Marine Equipment (MED)</b>	<b>Certificate number</b>	<b>Issued at</b>	<b>Valid until</b>	<b>HI-FOG system</b>	<b>Regulation</b>
Deep fat fryer	MED-B-8587	Feb 2015	Feb 2020	EPU & SPU & KBU	DFF ISO15371:2009
Accommodation, public spaces and storage areas HF3000	MED-B-9677	May 2015	May 2020	EPU & SPU	HI-FOG3000 Res.MSC.265(84)
Machinery space total flooding 6600m3	MEDB00000E9	Dec 2015	Dec 2020	EPU & SPU	MT4 Circ.1165
Ro-Ro spaces and special category spaces	MEDB00000EC	Dec 2015	Dec 2020	EPU & SPU	Ro-Ro Circ.1272 & 1430
Balcony	MEDB00000ED	Dec 2015	Dec 2020	EPU & SPU	Balcony Circ.1268
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

<b>Lloyd's Register</b>	<b>Certificate number</b>	<b>Issued at</b>	<b>Valid until</b>	<b>HI-FOG system</b>	<b>Regulation</b>
Ro-Ro spaces and special category spaces	SAS F140100	Apr 2014	Mar 2019	EPU & SPU	Ro-Ro Circ.1272 & 1430
Ro-Ro spaces and special category spaces	SAS F140101	Apr 2014	Mar 2019	EPU & SPU	Ro-Ro Circ.1272 & 1430
Balcony	SAS F150022	Jun 2014	May 2019	EPU & SPU	Balcony Circ.1268
Deep fat fryer	SAS F140179	Jul 2014	Jul 2019	EPU & SPU & KBU	DFF ISO15371:2009
Machinery space total flooding 6600m3	SAS F150057	Feb 2015	Feb 2020	EPU & SPU	MT4 Circ.1165
Accommodation, public spaces and storage areas HF3000	SAS F150066	Feb 2015	Feb 2020	EPU & SPU	HI-FOG3000 Res.MSC.265(84)
Machinery space total flooding 1500m3	SAS F150176	Mar 2015	Mar 2020	GPU	GPU Circ.1165
Machinery local application	SAS F150334	Aug 2015	Aug 2020	GPU	GPU Circ.913 & 1387
Accommodation, public spaces and storage areas HF1900	SAS F160049/M1	Jun 2018	Aug 2020	GPU	HI-FOG1900 Res.A.800(19)
Accommodation, public spaces and storage areas HF1900	SAS F160050/M1	Jun 2018	Aug 2020	EPU & SPU	HI-FOG1900 Res.A.800(19)
Ducts	SAS F170075	Apr 2017	Apr 2022	EPU & SPU	Ducts ISO15371:2009
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

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<b>Nippon Kaiji Kyokai</b>	<b>Certificate number</b>	<b>Issued at</b>	<b>Valid unti</b>	<b>HI-FOG system</b>	<b>Regulation</b>
Machinery local application	KB14ES220	Sep 2014	Jun 2019	EPU & SPU	MLPU Circ.913 & 1387

<b>RINA</b>	<b>Certificate number</b>	<b>Issued at</b>	<b>Valid unti</b>	<b>HI-FOG system</b>	<b>Regulation</b>
Machinery space low pressure bilge foam	FPE036914CS	Feb 2014	Feb 2019	Custom	Bilge foam Circ.1165
Deep fat fryer	FPE164314CS	Jun 2014	Jun 2019	EPU & SPU & KBU	DFF ISO15371:2009
Accomodation, public spaces and storage areas HF3000	FPE337314CS	Nov 2014	Nov 2019	EPU & SPU	HI-FOG3000 Res.MSC.265(84)
Machinery space total flooding 1500m3	FPE020515CS	Feb 2015	Feb 2020	GPU	GPU Circ.1165
Ro-Ro spaces and special category spaces	FPE020615CS	Feb 2015	Feb 2020	EPU & SPU	Ro-Ro Circ.1272 & 1430
Balcony	FPE020715CS	Feb 2015	Feb 2020	EPU & SPU	Balcony Circ.1268
Accomodation, public spaces and storage areas HF1900	FPE211615CS	Jun 2015	Jun 2020	GPU&SPU	HI-FOG1900 Res.A.800(19)
Machinery local application	FPE024116CS	Jan 2016	Jan 2021	GPU	GPU Circ.913 & 1387
Machinery local application	FPE024116CS	Jan 2016	Jan 2021	GPU	GPU Circ.913 & 1387
Machinery space total flooding 6600m3	FPE205116CS	Aug 2016	Aug 2021	EPU & SPU	MT4 Circ.1165
Machinery local application	FPE324417XG	Nov 2017	Nov 2022	EPU & SPU	ML5-ML9 Circ.913 & 1387

<b>Russian Maritime Register of Shipping</b>	<b>Certificate number</b>	<b>Issued at</b>	<b>Valid unti</b>	<b>HI-FOG system</b>	<b>Regulation</b>
Accomodation, public spaces and storage areas HF3000	15.01335.313	May 2015	May 2020	EPU & SPU	HI-FOG3000 Res.MSC.265(84)
Deep fat fryer	17.01397.313	Oct 2017	May 2020	EPU & SPU & KBU	DFF ISO15371:2009
Machinery space total flooding 1500m3	17.00378.313	Jan 2017	Jan 2022	GPU	GPU Circ.1165
Machinery local application	17.00379.313	Jan 2017	Jan 2022	GPU	GPU Circ.913 & 1387
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 local application	17.00382.313	Jan 2017	Jan 2022	EPU & SPU	ML5-ML9 Circ.913 & 1387
Ducts	17.00386.313	Jan 2017	Jan 2022	EPU & SPU	Ducts ISO15371:2009
Machinery space low pressure bilge foam	18.50084.260	Nov 2018	Nov 2023	Custom	Bilge foam Circ.1165

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

<b>US Coast Guard</b>	<b>Certificate number</b>	<b>Issued at</b>	<b>Valid unti</b>	<b>HI-FOG system</b>	<b>Regulation</b>
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 260m³	162.135/13/0	Nov 2018	Nov 2023	MAU	Machinery space 260 m³