

List of LAND type approvals

Factory Mutual / USA	Approval Report	Issued at	Valid until	HI-FOG system
Combustion turbines, machinery spaces, and special hazard machinery spaces in enclosures with volumes up to, and including 260 m ³	Project ID J.I.0D5A4.AH	Feb 1998	Continuous	MAU
Combustion turbines, machinery spaces, and special hazard machinery spaces in enclosures with volumes up to, and including 1500 m ³	Project ID 3036676	Dec 2009	Continuous	GPU
Machinery and combustion turbines in enclosures with volumes up to, and including 1375 m ³	Project ID 3046250	May 2013	Continuous	SPU
Machinery and combustion turbines in enclosures with volumes up to, and including 1375 m ³	Project ID 3046251	May 2013	Continuous	GPU
Light hazard occupancies (Hazard Category 1 HC-1)	Project ID 3000431	Jun 2001	Continuous	GPU
Light hazard occupancies (Hazard Category 1 HC-1)	Project ID 3022984	Aug 2005	Continuous	SPU
Industrial Oil Cookers	Project ID 3032104	Oct 2009	Continuous	SPU
Wet benches and other processing equipment	Project ID 3006268	Jun 2001	Continuous	MAU
Computer room subfloors	Project ID 3011692	Jun 2001	Continuous	DAU
Data Center processing equipment rooms/halls	Project ID 3053005	Feb 2017	Continuous	SPU
Local application for flammable liquid hazards	Project ID 3062669	Jun 2018	Continuous	SPU

Underwriters Laboratories Inc. / USA	No.	Issued at	Valid until	HI-FOG system
Ordinary Hazard 1 (US) type occupancies (HI-FOG 2000 sprinkler)	20120105-EX15843	Jan 2012	Continuous	SPU
Residential occupancies	20160704-EX15843	Jul 2016	Continuous	SPU



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VdS / Germany - System approvals	Certificate	Issued at	Valid until	HI-FOG system
Combustion turbines, machinery spaces, and special hazard machinery spaces in enclosures with volumes up to, and including 260 m ³	S 4040002	Jun 2019	Jun 2023	MAU
Combustion turbines, machinery spaces, and special hazard machinery spaces in enclosures with volumes up to, and including 500 m ³	S 4040003	Jun 2019	Jun 2023	GPU
Combustion turbines, machinery spaces, and special hazard machinery spaces in enclosures with volumes up to, and including 1375 m ³	S 418009	Jul 2018	Jul 2022	GPU
Combustion turbines, machinery spaces, and special hazard machinery spaces in enclosures with volumes up to, and including 1375 m ³ and cable tunnels*	S 418006	Sep 2018	Sep 2022	MSPU
Combustion turbines, machinery spaces, and special hazard machinery spaces in enclosures with volumes up to, and including 1375 m ³	S 414005	Jun 2019	Jun 2023	MSPU+EPU
Light and Ordinary Hazard I occupancies without sidewall sprinklers	S 418008	Jun 2020	Sep 2022	GPU
Light and Ordinary Hazard I occupancies without sidewall sprinklers and including EPU	S 419003	Jun 2019	Jun 2023	MSPU+EPU
Light and Ordinary Hazard I occupancies including HF3000 sprinkler	S 420003	Jun 2020	Jun 2024	GPU
Light and Ordinary Hazard I occupancies HF3000 sprinklers and including EPU	S420002	Jun 2020	Jun 2024	MSPU+EPU
Light and Ordinary Hazard I occupancies without sidewall sprinklers and including OH2 parking garage*	S 418005	Sep 2018	Sep 2022	MSPU
Ordinary Hazard 3 – selected occupancies **	S 4070001	Dec 2019	Dec 2020	MSPU
Automotive paint shops	S 418007	Jun 2018	Jun 2022	MSPU
Flammable liquid storages	S 414006	Dec 2018	Dec 2022	MSPU

* Valid approvals at the moment but will be changed back to the previous model (Cable tunnel and Parking garage with stand-alone certificate)

** Extension application submitted, being processed at VdS

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VdS / Germany - Component approvals	Certificate	Issued at	Valid until	HI-FOG system
C10-57C/0 component approval	G418027	Jun 2019	Sep 2022	Sprinkler HF2000
C12-57C/0 component approval	G418028	Jun 2019	Sep 2022	Sprinkler HF2000
C20-57C/0 component approval	G418029	Jun 2019	Sep 2022	Sprinkler HF2000
C30-57C/0 component approval	G418030	Jun 2019	Sep 2022	Sprinkler HF2000
1N1MB6MB100A component approval	G418034	Sep 2018	Sep 2022	Sprinkler HF1000
1N1MC6MC10RA component approval	G418035	Sep 2018	Sep 2022	Sprinkler HF1000
1N1ME6MF10RA component approval	G418036	Sep 2018	Sep 2022	Sprinkler HF1000
1N1MC6MB100B component approval	G418037	Sep 2018	Sep 2022	Sprinkler HF1000
2N1MD6MC10RA component approval	G418039	Jun 2018	Jun 2022	Sprinkler HF1000
4S0008MC1000 component approval	G418040	Sep 2018	Sep 2022	Spray head
5S1MC8MC1000 component approval	G418041/G418042/G418044	Jun 2019	Jul 2022	Spray head
4S1MC8MB1000 component approval	G418046	Jun 2018	Jun 2022	Spray head
4S1MC8MC1000 component approval	G418048	Jun 2019	Jun 2022	Spray head



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VdS / Germany - Component approvals	Certificate	Issued at	Valid until	HI-FOG system
GAHX-xxC	G420016	Jun 2020	Jun 2024	Sprinkler HF3000
GASX-xxC	G420008	Jun 2020	Jun 2024	Sprinkler HF3000
GARX-xxC	G420009	Jun 2020	Jun 2024	Sprinkler HF3000
GAVX-xxC	G420010	Jun 2020	Jun 2024	Sprinkler HF3000
GATX-xxC	G420011	Jun 2020	Jun 2024	Sprinkler HF3000
GAMX-xxC	G420012	Jun 2020	Jun 2024	Sprinkler HF3000
GABX-xxC	G420013	Jun 2020	Jun 2024	Sprinkler HF3000
GAJX-xxC	G420014	Jun 2020	Jun 2024	Sprinkler HF3000
GAKX-xxC	G420015	Jun 2020	Jun 2024	Sprinkler HF3000

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RUSSIAN FEDERATION CERTIFICATE OF COMPLIANCE / Russia (РОССИЙСКАЯ ФЕДЕРАЦИЯ СЕРТИФИКАТ СООТВЕТСТВИЯ)	No.	Issued at	Valid until	HI-FOG system
Machinery space 260 m ³ *	C-FI.ПБ01.B.03115	May 2015	May 2020	MAU
Pump units: SPU (SPUD), mSPU and GPU*	C-FI.ПБ01.B.03033	Apr 2015	Apr 2020	General
Sprinklers and spray heads*	C-FI.ЧС13.B.00094	Aug 2015	Aug 2020	General
Section valves*	C-FI.ЧС13.B.00093	Aug 2015	Aug 2020	General
Ball valves*	C-FI.ЧС13.B.00095	Aug 2015	Aug 2020	General
Hydrant 378-242-69-K12.2/3.9-16S	ССРП-FI.ЧС13.H.00238	Jul 2016	Jul 2021	General
EPU Mechanical unit	ССРП-FI.ЧС13.H.00228	Jan 2016	Jan 2021	EPU
EPU Starter cabinet and release panel	C-FI.ЧС13.B.00695	Jan 2017	Jan 2022	EPU
EPU Starter cabinet (for 3rd party panels)	C-FI.ЧС13.B.00802	Mar 2017	Mar 2022	EPU

* under renewal process/conversion to Eurasian Economic Community -Technical Regulation certification (Valid in Russia, Belarus, Armenia, Kyrgyzstan and Kazakhstan)

CNBOP / Poland	Certificate number	Issued at	Valid until	HI-FOG system
National Technical Assessment (EPU, SPU, mSPU, SPUD)	KOT_2018_0045_1004 wyd 1	Apr 2018	Apr 2023	mSPU & EPU
Cert. Of Constancy of Performance (EPU, SPU, mSPU, SPUD)	063-UWB-0106	Aug 2018	Apr 2023	mSPU & EPU
National Technical Assessment (GPU)	KOT_2017-0020-1004 wyd 1	Oct 2017	Oct 2022	GPU
Cert. Of Constancy of Performance (GPU)	063-UWB-0079	Jan 2018	Oct 2022	GPU



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KFV – Prüf- und Kontrollstelle / Austria	Certificate number	Issued at	Valid until	HI-FOG system
Combustion turbines, machinery spaces, and special hazard machinery spaces in enclosures with volumes up to, and including 260 m ³	05-ÜB-102-734-Rö.-Rö.	Mar 2005	Continuous	MAU
Combustion turbines, machinery spaces, and special hazard machinery spaces in enclosures with volumes up to, and including 500 m ³	05-ÜB-102-743-Rö.-Rö.	Mar 2005	Continuous	GPU
Light and Ordinary Hazard I occupancies	05-ÜB-102-745-Rö.-Rö.	Mar 2005	Continuous	GPU

Zagrebinspekt / Croatia	Broj	Issued at	Valid until	HI-FOG system
Combustion turbines, machinery spaces, and special hazard machinery spaces in enclosures with volumes up to, and including 260 m ³	10/550-3-10	Jan 2011	Continuous	MAU
Combustion turbines, machinery spaces, and special hazard machinery spaces in enclosures with volumes up to, and including 500 m ³	10/550-7-10	Jan 2011	Continuous	GPU
Light and Ordinary Hazard I occupancies	10/550-5-10	Jan 2011	Continuous	GPU
Light and Ordinary Hazard I occupancies	10/550-2-10	Jan 2011	Continuous	SPU
Cable tunnels	10/550-1-10	Jan 2011	Continuous	SPU
Ordinary Hazard 2 – parking garages	10/550-6-10	Jan 2011	Continuous	SPU
Ordinary Hazard 3 – selected occupancies	10/550-4-10	Jan 2011	Continuous	SPU

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TZÜS / Czech Republic	Certificate number	Issued at	Valid until	HI-FOG system
General HI-FOG approval (SPU, mSPU, SPUD)	204/C5a/2018/080-021813	Apr 2018	Apr 2021	General

The Ministry of Public Security Fire Products Conformity Assessment Center / China (公安部消防产品合格评定中心)	No.	Issued at	Valid until	HI-FOG system
MSPU system with sprinklers*	2015081803000800	Dec 2015	Dec 2020	SPU
MSPU system with sprayheads*	2015081803000801	Dec 2015	Dec 2020	SPU

* Water mist regulation in China under review.

Fire Services Department Licensing and Certification Command / Hong Kong	No.	Issued at	Valid until	HI-FOG system
Combustion turbines, machinery spaces, and special hazard machinery spaces in enclosures with volumes up to, and including 260 m ³	FP 206/1187	Aug 2002	Continuous	MAU

City of New York / USA	Certificate number	Issued at	Valid until	HI-FOG system
Combustion turbines, machinery spaces, and special hazard machinery spaces in enclosures with volumes up to, and including 260 m ³	MEA 28-99-E	Jan 2000	Continuous	MAU
Combustion turbines, machinery spaces, and special hazard machinery spaces in enclosures with volumes up to, and including 500 m ³	MEA 5-11-051	May 2005	Continuous	GPU

Fire and Rescue Department - BOMBA / Malaysia	Certificate number	Issued at	Valid until	HI-FOG system
HI-FOG systems GPU/HF2000	JBPM/IP/RNP:700-7/2/22-3	Jun 2020	Jun 2021	GPU+HF2000

Internal Affairs Ministry - Emergencies Dept. / Romania	Certificate number	Issued at	Valid until	HI-FOG system
HI-FOG system	AT003-05/574-2017	Jun 2017	Jun 2020	General