




Date : 20 September, 2022

## CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
<b>TEST REPORT NUMBER</b> 'Assessment Reports' are not acceptable	3051437	<b>CERTIFICATE NUMBER</b>	3051437
<b>DATE OF ISSUE</b>	03 November, 2015	<b>DATE OF ISSUE</b>	03 November, 2015
<b>DATE OF EXPIRY</b>	NONE	<b>DATE OF EXPIRY</b>	NONE
Manufacturer Details			
<b>NAME OF FACTORY/ MANUFACTURER</b>	GW Sprinkler A/S	<b>NAME OF THE BRAND</b>	GW Sprinkler
<b>FACTORY ADDRESS / REGION</b> (STREET / TOWN / CITY / COUNTRY )	Kastanievej 15, DK-5620 Glamsbjerg Denmark	<b>MODEL / NO</b>	GW Thermospray (medium velocity nozzles)  GW Fyrhed (high velocity nozzles)
<b>WEBSITE</b>	www.gwsprinkler.com	<b>LOGO ON THE PRODUCT</b>	 GW SPRINKLER A/S
<b>TEL</b>	+45 64722055	<b>EMAIL</b>	sales.dep@gwsprinkler. com








Product Details From Test Report		Reference Test Report page number
<b>DESCRIPTION OF THE PRODUCT</b> (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/ THICKNESS/ SENSITIVITY ETC)	Thermospray Medium Velocity and Fyrhed High Velocity Open Water-Spray Nozzles	1
<b>TEST STANDARD</b> (SUCH AS ASTM/BS EN/ DN ETC)	Approval Standard for Automatic and Open Water-Spray Nozzles for Installation in Permanently Piped Systems FM Approval Class 2021, 2025	2
<b>TEST DESCRIPTION</b>	All testing and analysis considered appropriate was conducted and verified to be in compliance with the Standards listing in the Test Standards section. All data is on file at FM Approvals along with other documentation and correspondence applicable to this program.	5
<b>SPECIFICATION OF TEST SPECIMEN</b>	The samples were considered to be representative of the product line and were examined, tested, and compared to the manufacturer's drawings.	5
<b>TEST RESULT</b> (SUCH AS PASSED CRITERIA___/ COMPLIED TO___/ DURATION___/ OBSERVATION___/ETC)	Pass	5+7
<b>PRODUCT APPLICATION GUIDELINE (END USE)</b> (CLEARLY STATE THE END USE WITH SPECIFIC APPLICATION, SUCH AS EXACT FIRE RATING/TO BE INSTALLED IN___/TO BE INSTALLED AT___/TO BE CONNECTED WITH___/TO BE INSTALLED WITH___ ETC ALONG WITH ANY WARNINGS SUCH AS NOT TO BE USED IN___/NOT TO BE INSTALLED AT___/ NOT TO BE INSTALLED WITH___ETC.	Installations shall comply with the manufacturer's published installation instructions.	7





Laboratory and Certification body details			
<b>NAME OF CERTIFICATION BODY</b>	FM Approvals	<b>NAME OF TEST FACILITY</b>	FM Approvals
<b>CERTIFICATION BODY ADDRESS / REGION</b> (STREET / TOWN / CITY / COUNTRY )	1151 Boston-Providence Turnpike Norwood, MA 02062 USA	<b>TEST FACILITY ADDRESS /REGION</b> (STREET / TOWN / CITY / COUNTRY )	743 Reynolds Road West Glocester, Rhode Island 02814 USA
<b>WEBSITE</b>	<a href="http://www.fmaprovals.com">www.fmaprovals.com</a>	<b>WEBSITE</b>	<a href="http://www.fmaprovals.com">www.fmaprovals.com</a>
<b>TEL</b>	+1 (1) 781 762 4300	<b>TEL</b>	+1 (1) 781 762 4300
<b>EMAIL</b>	<a href="mailto:information@fmaprovals.com">information@fmaprovals.com</a>	<b>EMAIL</b>	<a href="mailto:information@fmaprovals.com">information@fmaprovals.com</a>
<b>FM APPROVALS IS ACCREDITED BY</b>	<b>PER</b>	<b>VALIDITY</b>	<b>REFERENCE NUMBER</b>
The Standards Council of Canada (SCC) <a href="http://www.scc.ca">www.scc.ca</a>	ISO/IEC 17065	28 April 2021	FM Approvals LLC 1151 Boston-Providence Turnpike Norwood, MA 02062 USA
The Standards Council of Canada (SCC) <a href="http://www.scc.ca">www.scc.ca</a>	ISO/IEC 17025	01 December 2020	No. 574 (Norwood, MA and West Glocester, RI)
International Accreditation Service (IAS) <a href="http://www.iasonline.org">www.iasonline.org</a>	ISO/IEC 17025	01 July 2022	No. TL 221 (Norwood, MA and West Glocester, RI)
Occupational Safety and Health Administration (OSHA) <a href="http://www.osha.gov">www.osha.gov</a>	Guide 25/65	14 July 2019	OSHA-2007-041 (Norwood, MA and West Glocester, RI)
The Irish National Accreditation Board (INAB) <a href="http://www.inab.ie">www.inab.ie</a>	ISO/IEC 17065	12 May 2023	No. 2809 Notified Body Identifier 6024 (Dublin, IE)
United Kingdom Accreditation Service (UKAS) <a href="http://www.ukas.com">www.ukas.com</a>	ISO/IEC 17065	31 March 2024	No. 0259 Notified Body Identifier 1725 (Windsor, UK)
IECEx Conformity Assessment System <a href="http://www.iecex.com">www.iecex.com</a>	ISO/IEC 17065	25 July 2024	FM Approvals LLC 1151 Boston-Providence Turnpike Norwood, MA 02062 USA
<b>CERTIFICATION MARK</b>			

(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER NAME			
<b>NAME OF MANUFACTURER'S SIGNATORY</b>	Mr. Richard Alber	<b>SIGNATURE</b>	
<b>EMAIL / TEL</b>	<a href="mailto:richard.alber@gwsprinkler.com">richard.alber@gwsprinkler.com</a> tel. +45 64 72 20 55	<b>FACTORY OFFICIAL SEAL</b>	 GW SPRINKLER A/S
<b>NOTES:</b> I Undertake that all data and information provided are genuine and accurate			

(ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY
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NAME OF CERTIFICATION BODY SIGNATORY	David Fuller	SIGNATURE	
EMAIL / TEL	<a href="mailto:david.fuller@fmaprovals.com">david.fuller@fmaprovals.com</a>	CERTIFICATION BODY OFFICIAL SEAL	

**NOTES:** I Undertake that all data and information provided are genuine and accurate

**ATTACHMENTS:** COPY OF 'CERTIFICATE OF COMPLIANCE' ISSUED BY CERTIFICATION BODY (OLD OR NEW)



Member of the FM Global Group

# Certificate of Compliance

This certificate is issued for the following:

## **Automatic and Open Water-Spray Nozzles for Installation in Permanently Piped Systems**

(see listing attached)

### **Prepared for:**

GW Sprinkler A/S  
Kastanievej 15,  
DK-5620 Glamsbjerg,  
Denmark

Approval Standard: FM 2021, 2025 (February 2010)

Approval Identification: 3051437  
Superseded by: RR232365

Approval Granted: November 3, 2015  
Date Approved: May 19, 2022

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals

A handwritten signature in black ink, reading "D. B. Fuller".

David B Fuller  
VP - Manager of Fire Protection  
FM Approvals  
1151 Boston-Providence Turnpike  
Norwood, MA 02062







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## Certificate of Compliance

Model	Nominal K-Factor	Nominal Spray Angle	Nominal Thread Size	Finishes
GW Thermospray K19	1.31	60, 80, 100, 120, 140, 160	½" NPT	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
GW Thermospray K27	1.86	60, 80, 100, 120, 140, 160	½" NPT	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
GW Thermospray K33	2.27	60, 80, 100, 120, 140, 160	½" NPT	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
GW Thermospray K42	2.89	60, 80, 100, 120, 140, 160	½" NPT	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
GW Thermospray K61	4.20	60, 80, 100, 120, 140, 160	½" NPT	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
GW Thermospray K80	5.60	60, 80, 100, 120, 140, 160	½" NPT	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
GW Thermospray K98	6.75	60, 80, 100, 120, 140, 160	½" NPT	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
GW Thermospray K109	7.54	60, 80, 100, 120, 140, 160	½" NPT	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
GW Thermospray K120	8.30	60, 80, 100, 120, 140, 160	½" NPT	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
GW Fyrhed model C	1.81	80	½"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
GW Fyrhed model L	2.77	55	1"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium



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## Certificate of Compliance

Model	Nominal K-Factor	Nominal Spray Angle	Nominal Thread Size	Finishes
GW Fyrhed model D	3.41	65	1"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
GW Fyrhed model E	4.52	80	1"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
GW Fyrhed model F	6.15	85	1"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
GW Fyrhed model G	7.17	90	1"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
GW Fyrhed model WM	1.46	115	1"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
GW Fyrhed model WL	1.81	115	1"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
GW Fyrhed model WD	3.27	120	1"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
GW Fyrhed model WE	3.97	125	1"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
GW Fyrhed model WF	5.43	115	1"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium