



Certificate of Compliance

This certificate is issued for the following:

Medium and High Velocity Open Water-Spray Nozzles

Model	Nominal K-Factor	Nominal Spray Angle	Nominal Thread Size	Finishes
19	1.31	60, 80, 100, 120, 140, 160	½" NPT	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
27	1.86	60, 80, 100, 120, 140, 160	½" NPT	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
33	2.27	60, 80, 100, 120, 140, 160	½" NPT	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium

Prepared for:

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

Manufactured at:

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

FM Approvals Class: 2025

Approval Identification: 3051437 Approval Granted: 3 November 2015

To verify the availability of the Approved product, please refer to 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, appearing to read 'D.B. Fuller', written over a horizontal line.

David B. Fuller
Group Manager – Fire Protection Group
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062 USA



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Model	Nominal K-Factor	Nominal Spray Angle	Nominal Thread Size	Finishes
42	2.89	60, 80, 100, 120, 140, 160	½" NPT	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
61	4.20	60, 80, 100, 120, 140, 160	½" NPT	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
80	5.60	60, 80, 100, 120, 140, 160	½" NPT	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
98	6.75	60, 80, 100, 120, 140, 160	½" NPT	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
109	7.54	60, 80, 100, 120, 140, 160	½" NPT	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
120	8.30	60, 80, 100, 120, 140, 160	½" NPT	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
C	1.81	80	½"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
L	2.77	55	1"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
D	3.41	65	1"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
E	4.52	80	1"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
F	6.15	85	1"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
G	7.17	90	1"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
WM	1.46	115	1"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
WL	1.81	115	1"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
WD	3.27	120	1"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
WE	3.97	125	1"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium
WF	5.43	115	1"	Brass, Nickel Aluminum Bronze, Stainless Steel, Titanium



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