



VGYZ.EX5210 Nozzles, Spray Type, Fixed

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Nozzles, Spray Type, Fixed

[See General Information for Nozzles, Spray Type, Fixed](#)

BETE FOG NOZZLE INC

EX5210

50 GREENFIELD ST
GREENFIELD, MA 01301 USA

Model	Discharge Angle Deg	Discharge Coefficient K
3/8FF187	145	0.949
3/8FF196	145	1.11
3/8FF209	145	1.19
3/8FF218	145	1.26
3/8FF221	145	1.42
1/2N1	90	0.95
1/2N1W	120	0.95
1/2N2	90	1.68
1/2N2W	120	1.68
1/2N3	90	2.61
1/2N3W	120	2.61
1/2N4	90	3.81
1/2N4W	120	3.81
Model	Discharge Angle Deg	Discharge Coefficient K
1/2N5	90	5.22
1/2N5W	120	5.22
1/2N6	90	6.64
1/2N6W	120	6.64
1N6	90	6.64
1N6W	120	6.64
1N7	90	10.59
1N7W	120	10.59
1NCM 1012	30	4.30
1-1/2N8	90	15.02
1-1/2N8W	120	15.02
1-1/2N9	90	20.4
1-1/2N9W	120	20.4
1-1/2N10	90	26.72

1-1/2N10W

120

26.72

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VGYZ.GuidelInfo Nozzles, Spray Type, Fixed

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[Sprinkler System and Water Spray System Devices] Nozzles, Spray Type, Fixed

[See General Information for Sprinkler System and Water Spray System Devices](#)

USE AND INSTALLATION

This category covers spray nozzles that discharge water in a specific spray pattern as defined by the manufacturer. Spray nozzles consist of the automatic or nonautomatic (open) type, and are intended for installation in fixed piping systems as specified in ANSI/NFPA 13, "Installation of Sprinkler Systems," and ANSI/NFPA 15, "Water Spray Fixed Systems for Fire Protection."

Automatic Type

Automatic-type spray nozzles are intended to operate when the temperature of the heat-responsive element exceeds its thermal-response temperature.

Standard temperature ratings of automatic-spray nozzles, the maximum ambient temperatures, and frame and glass heat-responsive element (glass bulb) color coding are as follows:

Temperature Class	Temperature Rating, °F	Frame Color Code+	Glass Bulb Color	Max Temp at Point of Installation, °F
Ordinary	135 to 170	Uncolored++	Orange or Red	100
Intermediate	175 to 225	White	Yellow or Green	150
High	225 to 300	Blue	Blue	225
Extra High	325 to 375	Red	Purple	300
Very Extra High	400 to 475	Green	Black	375
Ultra High	500 to 575	Orange	Black	475
+ Corrosion-resistant spray nozzles are marked with either a dot on top of the deflector, color of the coating, or colored frame arms.				
++ The 135°F spray nozzles may be color coded black.				

Nonautomatic (Open) Type

Nonautomatic (open) type nozzles do not incorporate heat-responsive elements or operating parts and are intended to be installed in water-spray systems when water flow is controlled by devices other than the spray nozzle.

PRODUCT IDENTITY

One of the following product identities may appear on the product:

Automatic Fixed Nozzle

Nonautomatic Fixed Nozzle

ADDITIONAL INFORMATION

For additional information, see Fire Protection Equipment ([AAFP](#)).

REQUIREMENTS

The basic standard used to investigate products in this category is [ANSI/UL 2351](#), "Spray Nozzles for Fire-Protection Service."

UL MARK

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Alternate UL Mark

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