

Fixed Extinguishing Systems | Foam | **Foam Extinguishing Systems, Low Expansion**

# Viking Grate Nozzle System - Model GN202 Grate Nozzle



## Product Description

The Viking Grate Nozzle fixed foam discharge system for aircraft hangar or helipad fire protection, where the likely hazard is an aircraft fuel spill. Model GN201 Grate Nozzle available in 3 discharge pattern configurations – 360°, 180°, and 90°. Nozzles installed flush with floor of protection area within the trench drain. The Viking trench grate is included as a means for receiving the grate nozzle and is available in 3 nominal size widths – 20", 26", and 555 mm. The trench grate is placed in line with other trench grates to provide a uniform floor layout and grate level.

The following table summarizes the grate nozzle design specifications:

### Grate Nozzle System

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The following table summarizes the grate nozzle design specifications:

Grate Nozzle Model	Discharge Type	Rated Working Pressure		Flow Range		Inlet Connection	Material
		psi	(bar)	gpm	(Lpm)		
GN202	360°	40-70	(2.8-4.8)	147-194	(556-734)	2" Grooved	316 Stainless Steel (Grate - Epoxy Coated Cast Iron)
GN202	180°	40-70	(2.8-4.8)	79-105	(299-397)	2" Grooved	316 Stainless Steel (Grate - Epoxy Coated Cast Iron)
GN202	90°	40-70	(2.8-4.8)	43-57	(163-216)	2" Grooved	316 Stainless Steel (Grate - Epoxy Coated Cast Iron)

\*Rated working pressure is defined as the pressure at the inlet of the Grate Nozzle.

Approved for use with Viking USP synthetic fluorine-free foam concentrate.

The maximum distance between nozzles in a trench is 25 ft. (7.6 m). Trench drains must not be located in excess of 50 ft. (15.2 m) on center (25 ft. [7.6 m] distance from walls). Approved infrared (IR) flame detectors and release circuit, Approved foam system proportioning system hardware (valves, proportioners, and bladder tanks), and an Approved standard head ceiling level water sprinkler system are required for an Approved installation.

Refer to Viking Technical Datasheet, Doc. # F\_051022, for more detailed information regarding system design and installation specifications, parts lists, as well as maintenance instructions.

## Details

<b>Category</b>	Foam Extinguishing Systems, Low Expansion
<b>Class of Work</b>	5135 - Low Expansion Foam Systems
<b>Approval Standard</b>	FM 5130 - Foam Extinguishing Systems
<b>Certification Type</b>	FM Approved
<b>Concentrate Type</b>	SFFF
<b>Listing Country</b>	United States of America

## Company

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