



GENERAL FIRE

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SPOTLIGHTING FEATURE

GATED SUCTION-FRONT BUMPER COMPARTMENT INTERIORS

SPECIFICATION: Three operator's panel-controlled suction intakes shall be furnished with NST at each inlet on the apparatus. There shall be one suction intake at the front bumper, one suction intake inside a streetside body compartment and one suction intake inside a curbside body compartment.

Each intake shall be gated using a 5.00" butterfly valve. Chrome-plated inlet fittings with threads matching each other shall equally be furnished with removable strainer screens. Each suction pipe shall be furnished with a quarter-turn bronze flange-mounted drain valves and chrome-plated handles at all low points of the line.

Each valve shall be operated by an air actuator; a switch at the pump operator's panel shall be furnished and calibrated to open or close each valve in five seconds.

A 2.50" intake relief valve shall be furnished, preset at 125 PSI, and incorporated into each butterfly valve. The valves shall have an adjustment range of between 75-250 PSI and shall be designed to automatically self-restore to a non-relieving position when excessive pressure is no longer present.

The front suction piping shall extend above the front bumper gravel shield to permit a 90 degree elbow. Each side interior compartment suction intake shall protrude through the compartment wall by not less than 5.00" and shall be surrounded by an access panel on the compartment wall to allow for ease-of-access in the event service attention is needed. The location of each side interior compartment suction intake shall be determined at the pre-construction conference.

