

UNITED Fire Systems

**SPRINKLER
ACCESSORIES**

APPROVED

Data Sheet UFS-318B

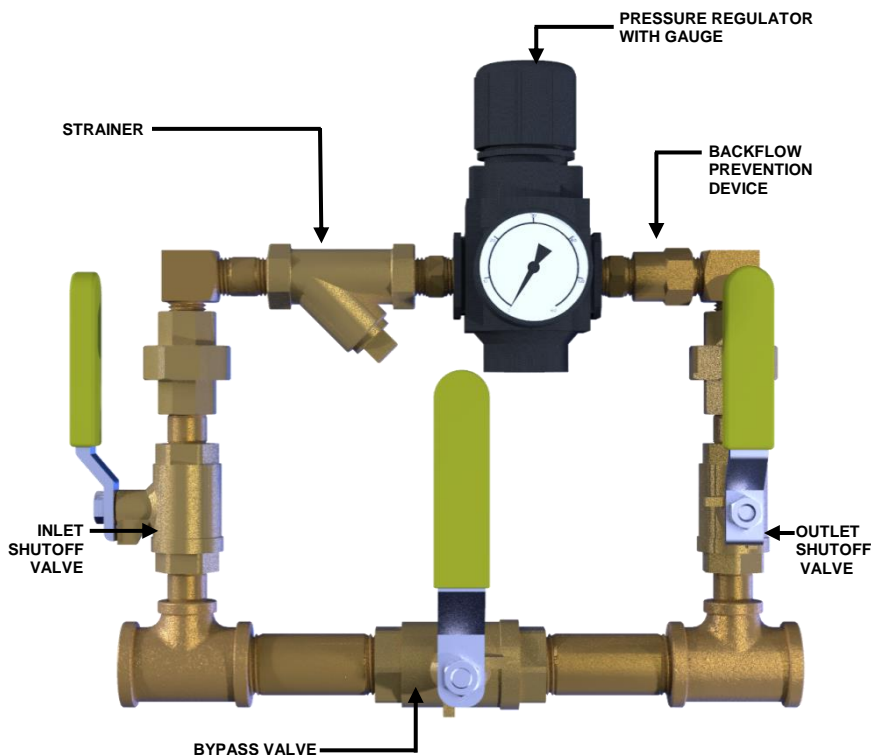
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**PRESSURE MAINTENANCE DEVICE MODEL NAMD-1****DESCRIPTION**

The FM Approved **UNITED Fire Systems NAMD-1** is a device designed to automatically regulate and maintain the flow of air or nitrogen into dry-pipe or preaction sprinkler pipe. The air or nitrogen pressure flows through a regulator so that upon activation of a sprinkler head, the air or nitrogen pressure will not interfere with the operation of the sprinkler valve or lengthen the time until the piping fills with water. Shutoff and bypass ball valves are provided to permit initial-fill of the pipe with air, in accordance with the NFPA 13 mandated time requirement of 30 minutes or less. A "Y" strainer protects the regulator from particulate matter.

FEATURES AND BENEFITS**Compare to Competition**

- FM Approved – Complies with NFPA 13 component listing requirement.
- **Designed Specifically For Nitrogen** – Provides the accuracy, precision, repeatability, and flow needed for supply of nitrogen. Superior to devices meant for air only.
- **High-Precision Pressure Regulator** – Balanced design minimizes effect of inlet pressure variation on outlet pressure.
- **Pressure Gauge** – Included to make adjustment easy.
- **Strainer** – Helps prevent regulator damage from incoming gas contamination.
- **Backflow Prevention Device** – Prevents problems caused by pressure changes.
- **Large Flow Range** – Capable of providing nitrogen to both small and large systems.
- **Wide Span** – Capable of providing consistent flow over a wide span of inlet pressures – no need for multi-stage regulation.

**TECHNICAL DATA**

- Material (other than regulator): Brass
- Material (regulator body): Zinc
- Inlet pressure range: 0-175 PSIG (0-1200 kPa gauge)
- Outlet pressure range: 15-60 PSIG (100-410 kPa gauge)
- Maximum pressure: 175 PSIG (1200 kPa gauge)
- Factory regulator setting: Approx. 15 PSIG
- Temperature range: 0°F to +150°F (-20°C to +65°C)
- Inlet / outlet pipe size: 1/2" NPT female
- Dimensions (L x H): 9.75" x 8.25"
- Weight: Approx. 7 lbs. (3.2 kg)

ORDERING INFORMATION

- Model NAMD-1

For downloadable architect's specifications and drawing details, go to:

www.unitedfiresystems.com/namd-1

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