Engineering Specification

Models NS-ASAM Automatic Pressure Maintenance Device

**Recommended CSI MasterFormat Specification Location: 21 13 00, Fire Suppression Sprinkler Systems (formerly 13930)**

The automatic pressure maintenance device shall be **[**cULus Listed**] [**FM Approved**]** to connect a primary and secondary air or nitrogen source to single or multiple systems, as well as provide automatic switchover between primary and secondary sources. The allowable inlet pressure shall be a minimum of 100 psi (6.9 bar) and a maximum of 250 psi (17.2 bar). The allowable outlet pressure shall be a minimum of 10 psi (0.7 bar) and a maximum of 70 psi (4.8 bar). All connection sizes shall be ½” NPT. The device shall admit nitrogen or air from the primary source until the primary source depletes to a pressure of approximately 80 psi (5.5 bar), at which point the nitrogen or air from the secondary source will be admitted through the device. The automatic pressure maintenance device shall include a bypass valve for quick fill of the system, and a low-pressure switch that is factory-set to activate at a pressure of 90 psi (6.2 bar) to indicate depletion of the primary source. The pressure switch shall include an auxiliary set of contacts that may be field adjusted to indicate loss of pressure from the secondary source.

The automatic pressure maintenance device shall be the Reliable Model NS-ASAM. Refer to Reliable Bulletin 254 for associated information.