



Preferred Specifications

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VENTURIS™ Industrial Air Primer

- A. The VENTURIS Industrial Air Priming system shall include a minimum of two (2) VENTURIS air primers, primer control and a minimum of two (2) VAPs (Vacuum Activate Priming Valves) and associated cabling.
1. The VENTURIS Air Primers shall be mounted directly on a Waterous split-shaft pump transmission or separately mounted.
 2. The VENTURIS Air Primers shall have a brass body construction and single barrel design and not require any ongoing maintenance of screens or strainers.
 3. The VENTURIS Air Primers shall meet NFPA 1901 requirements for Vacuum and Priming Standards.
 4. The VENTURIS Air Primers shall be mounted to the pump transmission with non-corrosive hardware (when specified). For remote mounting locations, primer shall be shipped loose.
 5. The VENTURIS Air Primers shall create a vacuum utilizing the on-board compressed air system.
 6. The VENTURIS Air Primers shall use 1/2" OD tubing and air supply shall connect to the 3/8" NPT VENTURIS air inlet.
 7. The VENTURIS Air Primers shall be operated by a 12-volt or 24-volt, manual, momentary push-button control.
- B. Optional AUTO PRIME shall consist of a 12-volt or 24-volt automatic primer control panel consisting of a three-way switch to operate the VENTURIS solenoid valve. The solenoid valve shall direct air pressure from the on-board air supply to the air primer.
1. **AUTO PRIME Modes of Operation:**
 - PRIME:** Press and hold to prime
 - OFF:** Center position – OFF
 - AUTO PRIME:** Press and release shall activate the automatic priming and shall be indicated by a green LED. VENTURIS Air Primer shall automatically prime whenever discharge pressure reaches below 10 PSI and shall shut off when prime is re-established. Pressing the OFF or PRIME shall disengage automatic priming.

