



Preferred Specifications

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VENTURIS™ Air Primer

- A. The VENTURIS Air Priming system shall include the VENTURIS air primer, primer control and VAP (Vacuum Activate Priming Valve) and associated cabling.
1. The VENTURIS Air Primer shall be mounted directly on a Waterous split-shaft pump transmission or separately mounted.
 2. The VENTURIS Air Primer shall have a brass body construction and single barrel design.
 3. The VENTURIS Air Primer shall meet NFPA 1901 requirements for Vacuum and Priming Standards.
 4. The VENTURIS Air Primer 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 Primer shall create a vacuum utilizing the on-board compressed air system.
 6. The VENTURIS Air Primer shall use ½" OD tubing and air supply shall connect to the 3/8" NPT VENTURIS air inlet.
 7. The VENTURIS Air Primer shall be operated by a 12-volt, manual, momentary push-button control.
- B. Optional AUTO PRIME shall consist of a 12-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.

