

# Series II All-Electric Pipe Valves

Precision engineered for quality and performance



Over the years, "all-electric" pipe valves have always had many advantages, among them simplicity of chest design, durability and lack of dependency on perishable materials. On the other side, their higher power consumption made for greater complication in power supply, wiring and switching. In addition, there has always been controversy regarding the speech characteristics of various pipes when used on a chest designed with direct acting electric pallet magnets.

Today, modern technology has provided answers to all of the problems of stable power supply and higher current switching requirements. The use of solid state switching has also favorably influenced the speaking characteristics of pipes by supplying a measure of damping to the turn on and turn off of the electric valves.

In the early 1980s, Peterson spent several years

researching this field with the objective of producing an all-electric valve that could withstand the most critical comparison with the best electro-pneumatic chests by pipe voicers and other tonal experts. The result is the Peterson Series II All-Electric Pipe Valve.

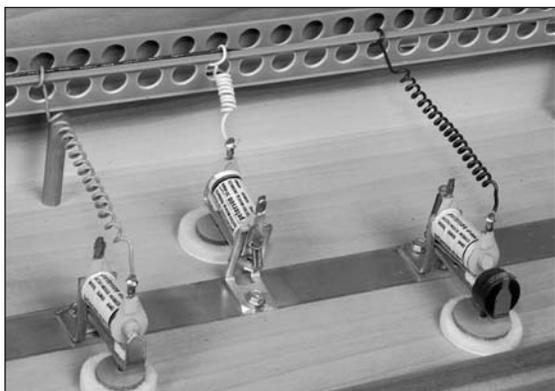
Through clever design and careful attention to detail, Peterson pipe valves provide a quick and bounce free response. Pallet travel is precisely controlled and tailored to the size and wind requirements of the pipe. Careful gap adjustment and a special electromagnetic shunt maximize efficiency.

Peterson pipe valves and their related accessories are also engineered for fast, easy installation. A single #6 screw is used to hold the valve in place, and clearance for a screwdriver is provided by offsetting the spring holder. Corner tabs dig into the toe board for a secure mount.

- Precise pallet travel for quick, bounce free speech.
- Easy mounting with a single #6 screw.
- Offset spring allows easy access for a power screwdriver.
- Electromagnetic shunt and precision manufacturing lead to efficient performance.
- Chassis common mounting strip eliminates separate return wires.
- Locating tool simplifies accurate positioning of each valve.
- Four coil resistances (40,50,60 and 90 Ohms) and eight pallet sizes available (including SuperValve™).
- Stainless steel hinge pin in drilled bearings for longevity & quiet operation.
- All-electric primaries also available.



"All-Electric Primaries" are available with front or side tabs as shown for activating the threaded disk valve wires usually pulled by conventional primaries.



A toe board using the Buss Strip Mounting Kit and Keying Wire Spreader Kit.



The Pipe Valve Locating Tool.

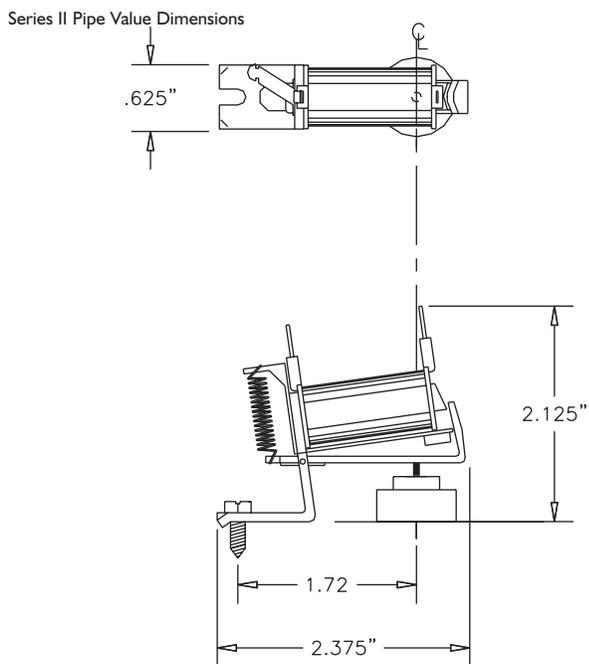
Our Pipe Valve Locating Tool makes initial layout of the valves a very quick operation by indenting the toe board to accept the corners of the pipe valve at precisely the correct location. By using the Peterson Buss Strip Mounting Kit, installation time can be cut significantly. Only one wire is required per pipe valve, and the available Keying Wire Spreader Kit makes running these wires easy. Custom chest cables using Peterson E-Z Wire™ connectors are also available, which plug directly onto Peterson driver boards.

An "All-Electric Primary" variation of the Series II Pipe Valve is available for applications where pneumatic operation of the note valve is preferred. Instead of a pallet valve, the All-Electric Primary has a side- or front-mounted tab with a hole and a grommet suitable for fitting to a disk valve wire as illustrated. This can take the place of a conventional chest magnet, channeling, and primary pneumatic, simplifying chest building or rebuilding.



The Frame Adjusting Tool provides a convenient way to fine-adjust pallet travel without damaging hinges.

**TECHNICAL INFORMATION**



All-Electric Primary Dimensions

