U.S. SOLID High Quality Valves	INSTALLATION AND MAINTENANCE GENERAL PURPOSE SOLENOID VALVES	USS2- MODELS

Thank you for purchasing your U.S. Solid solenoid valve. We are happy to have you as a customer! We want you to get the most out of your new equipment, so we have included a few pointers to get you started.

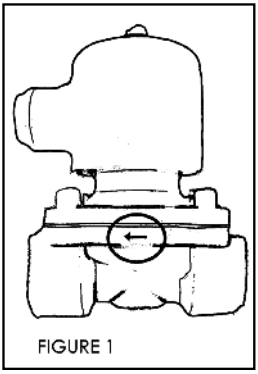


FIGURE 1

FLOW DIRECTION

Make note of the arrow on your valve. Most U.S. Solid valves are unidirectional. This means they are intended for flow in one direction only, in the direction of the arrow. See Figure 1 for location of arrow. If connected in opposite direction, the valve will not actuate properly (will not close for Normally Closed valves). Additionally, be sure the medium passing through is filtered. If not, particles will cling to the gasket over time, which can cause it to not seal properly.

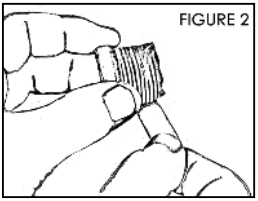


FIGURE 2

THREADING

U.S. Solid Valves follow National Standards for pipe thread. In the U.S.A. we use NPT, while in England we use BSPP. We recommend use of tefflon tape to ensure seal of the NPT threading, as shown in Figure 2.

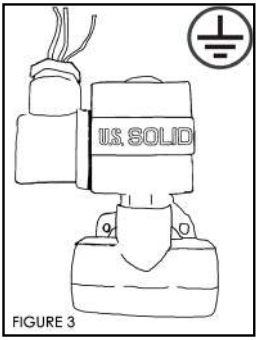


FIGURE 3

POLARITY

For valves with 2 wires, the valve will actuate regardless of which terminal each wire is connected to (+ or -). Some units, like those pictured to the left, include a ground wire. Open up the connector and look for the ground symbol, shown in the corner of Figure 3. For valves with a ground wire, please be sure to ground the valve. For the other two wires, the valve will actuate regardless of which terminal each wire is connected to (+ or -).

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WARNING- Please be careful of the following to help ensure your safety and optimal performance over time.

OVERHEATING
These valves are not intended to be energized for more than 8 hours continously. While most do not have more than 18W of power, the coils are in a contained area, and can burnout if energized for too long. If necessary to energize continously for extended periods, we recommend a computer fan to keep the coil cool.

GASOLINE WARNING
Note whether your solenoid valve has a VITON gasket, NBR gasket, or another type. NBR gaskets are not intended for use with gasoline, kerosene, or other petroleum products. If your valve is needed for these, please purchase a valve with a VITON gasket.

PRESSURE
All solenoid valves need some pressure to actuate. This is especially true of pilot or indirectly operated valves.

PARTICLE FREE
Make sure whatever medium is flowing through the valve is free of particles. These particles can attach themselves to the gasket and will lead to poor performance or leakage over time.

WATER RESISTANCE
All U.S. Solid solenoid valves are splash resistant but NOT water proof. Take care to not have the valve exposed directly to rain or submerged in liquid.

WARRANTY
All U.S. Solid solenoid valves come with a one year warranty.

We realize that other questions or concerns may arise during the installation and operation of your valve. Please contact us or visit our website for help.

Phone: 800-209-4177
Email: service@ussolid.com
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