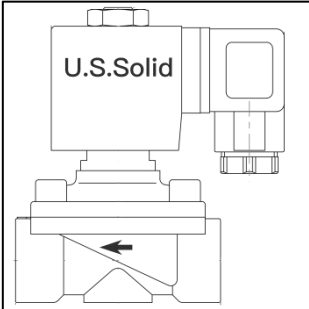


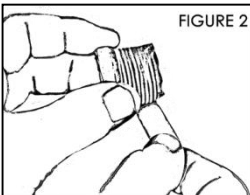
Thank you for purchasing a U.S. Solid solenoid valve. We appreciate your business and are excited to have you as a new customer! To help you get the most out of your new valve, we've included some helpful tips below.



FLOW DIRECTION

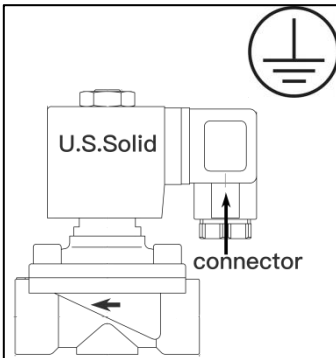
Note the directional arrow on your valve (located at the bottom of the valve or upper end of the outlet). Most U.S.Solid valves are unidirectional, meaning they are designed for flow in one direction only, as shown in the figure on the left. If connected in the opposite direction, the valve will not actuate properly (normally closed valves will not close). Additionally, ensure the medium flowing through the valve is filtered. Otherwise, particles may

cling to the gasket over time and prevent proper sealing.



THREADING

U. S. Solid Valves follow National Standards for pipe threads. In the U.S.A. we use NPT, while in Europe BSPT is used. We recommend using Teflon tape to ensure a proper seal with NPT threads, as shown in the figure on the left.



POLARITY

Open the connector and you will see 3 pins. The left and right pins can be wired to either L(+) or N(-). The middle pin with the ground symbol should be connected to protective earth, as shown in the figure on the left. Grounding is required for 110V/220V voltage operation. For the other two wires, the valve will actuate regardless of which terminal each wire is connected to L(+) or N(-).



INSTALLATION AND
MAINTENANCE
GENERAL PURPOSE SOLENOID
VALVES

USS-YSV
Manual
No.8563

WARNING: All U.S. Solid solenoid valves come with a one-year warranty. For safety and optimal valve performance, please note -

OVERHEATING

It is normal for solenoid valves to heat up significantly after prolonged operation (up to 80°C). Do not worry, our coil can withstand temperatures up to 180°C. But we recommend limiting continuous use to **no more than 8 hours**. If necessary to energize continuously 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.

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: 1-800-243-5428

Email: service@ussolid.com

Website: www.ussolid.com

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.

INSTRUCTIONS on
ENVIRONMENTAL
PROTECTION



At the end of its life cycle, please do not dispose of this equipment by throwing it in the usual. Instead, hand it over at a collection point for the recycling of electrical and electronic appliances. It does not contain dangerous nor toxic products for humans, but inadequate disposal could still damage the environment. The materials are recyclable as mentioned. By recycling material or through other forms or repurposing old appliances, you are making an important contribution to the protection of our environment. Please inquire with your local community authorities for the proper disposal location.