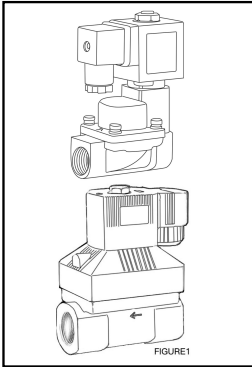
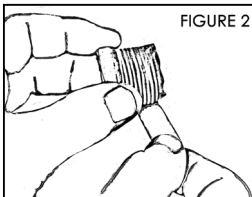


Thank you for purchasing your U.S. Solid USS-HSV High Pressure Solenoid Valve. We are happy to have you as a customer! We want you to get the most out of your new equipment, so we have included a few pointers to get you started.



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.



THREADING

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

SPECIFICATIONS

Model (USS-HSV)	01	02	03	04	05	06	07	08
Size (inches)	1/4	1/2	3/4	1	1/4	1/2	3/4	1
Material	Brass				Stainless Steel			
Pressure (bar)	50				60	100		
Temperature (°F)	23 - 302				-22-356	-76 - 248		
Seal	PTFE							
Voltage	DC 12V							
Output Power (W)	16				8.5			
Orifice (mm)	12	12	25	25	9.0	15	20	25
Flow Rate (cv)	2.33	2.33	5.84	11.67	1.7	4.5	9.3	12.0

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

INSTALLATION

Install the valve horizontally in the direction of the port. The valve is suitable for indoor and outdoor use, but it is necessary to avoid being exposed to rain when used outdoors to prevent short circuit of the coil.

POLARITY

All U.S. Solid USS-HSV solenoid valves are 2 wire set-up, the valves will actuate regardless of which terminal each wire is connected to (+ or -).

OVERHEATING

These valves are not intended to be energized for more than 6 hours continuously. The coils are in a contained area, and can burnout if energized for too long.

PRESSURE

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

Contact

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

Phone: 800-209-4177

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.

WARRANTY: All U.S. Solid USS-HSV solenoid valves come with a one year warranty.