

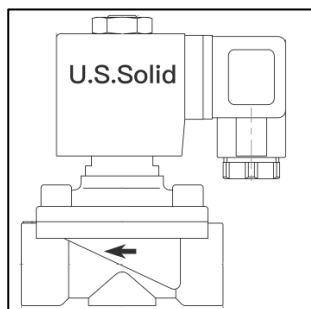


Thank you for purchasing a U.S. Solid solenoid valve. We appreciate your business and are excited to have you as a new customer! To help you get the most out of your new valve, we've included some helpful tips below.

FLOW DIRECTION

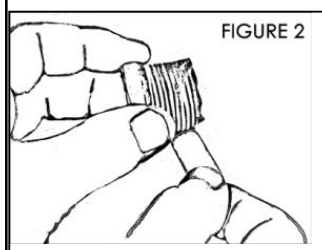
Note the directional arrow on your valve (located at the bottom). Most U.S. Solid valves are unidirectional, meaning they are designed for flow in one direction only, as shown in the figure on the left. If connected in the opposite direction, the valve will not actuate properly (normally closed valves 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., NPT (National Pipe Tapered) threads are used, while in Europe, BSPT (British Standard Pipe Tapered) threads are standard. To ensure a proper seal with

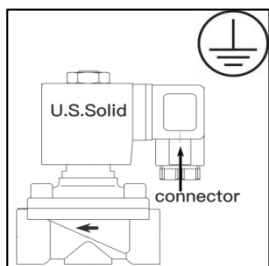


NPT threads, we recommend using Teflon tape, as illustrated in the figure on the left.

■ **PRESSURE**

All solenoid valves require some level of pressure to actuate, particularly pilot or indirectly operated valves.

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



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(-).

For safety and optimal performance, please note

■ **PARTICLE FREE**

Ensure that the medium flowing through the valve is free of particles. Particles can cling to the gasket and lead to poor performance or leakage over time.

■ **OVERHEATING**

It's normal for solenoid valves to get quite hot with prolonged use, reaching temperatures up to 80°C. However, our coil can handle temperatures up to 180°C. We recommend limiting continuous use to **up to 8 hours**. For longer durations, consider using a computer fan to keep the coil cool.

■ **GASOLINE WARNING**

Check whether your solenoid valve has a VITON gasket, an NBR gasket, or another type. NBR gaskets are not suitable for use with gasoline, kerosene, or other petroleum products. If your application involves these substances, please choose a valve with a VITON gasket.

■ **WATER RESISTANCE**

All U.S. Solid solenoid valves are splash-resistant but not waterproof. Avoid direct exposure to rain or submersion in liquid.

Connection Method for Thin Wires



Unscrew the screw.



Remove the cover and thread the electrical wire through the opening in the lid.



Connect the wires.
There are 3 pins: the ground wire. The top one is \oplus and the bottom two \ominus can be wired to either L (+) or N (-), with no particular order.



Loosen the screw, insert the wires, and then tighten it back up.



Put the lid back and tighten the screw.

Method for Connecting Thick Wires



Unscrew the screw.



Remove the cover and thread the electrical wire through the opening in the lid.



Remove the connector

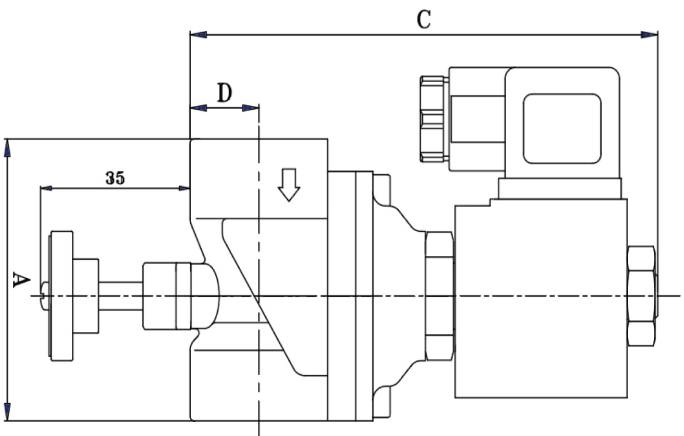
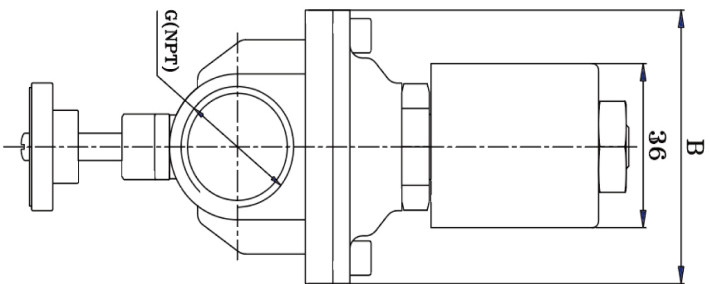
SKU	Size	Voltage	Thread	Cv	Port Size	Seal	Working Pressure
JFYSV10001-G	1/2"	12V DC	NPT	4.8	15	VITON	0.0-0.4 MPa
JFYSV10002	3/4"	12V DC	NPT	8.6	20	VITON	0.0-0.4 MPa
JFYSV10003	1"	12V DC	NPT	12	25	VITON	0.0-0.4 MPa
JFYSV10004	1/2"	110 V	NPT	4.8	15	VITON	0.0-0.4 MPa
JFYSV10005	3/4"	110 V	NPT	8.6	20	VITON	0.0-0.4 MPa
JFYSV10006	1"	110 V	NPT	12	25	VITON	0.0-0.4 MPa
JFYSV10007	1/2"	24V AC	NPT	4.8	15	VITON	0.0-0.4 MPa
JFYSV10008	3/4"	24V AC	NPT	8.6	20	VITON	0.0-0.4 MPa
JFYSV10009	1"	24V AC	NPT	12	25	VITON	0.0-0.4 MPa
JFYSV10001-G	1/2"	12V DC	G	4.8	15	VITON	0.0-0.4 MPa
JFYSV10002-G	3/4"	12V DC	G	8.6	20	VITON	0.0-0.4 MPa
JFYSV10003-G	1"	12V DC	G	12	25	VITON	0.0-0.4 MPa
JFYSV10004-G	1/2"	220 V	G	4.8	15	VITON	0.0-0.4 MPa
JFYSV10005-G	3/4"	220 V	G	8.6	20	VITON	0.0-0.4 MPa
JFYSV10006-G	1"	220 V	G	12	25	VITON	0.0-0.4 MPa
JFYSV10007-G	1/2"	24V AC	G	4.8	15	VITON	0.0-0.4 MPa
JFYSV10008-G	3/4"	24V AC	G	8.6	20	VITON	0.0-0.4 MPa
JFYSV10009-G	1"	24V AC	G	12	25	VITON	0.0-0.4 MPa



Connect the wires.
There are 3 pins: The top one is for the ground wire. The bottom two \oplus and \ominus can be wired to either L (+) or N (-), with no particular order.

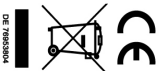


Put the lid back and tighten the screw.



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.



	1/2"	3/4"	1"
A	61	61	80
B	54	54	70
C	109	109	117
D	16	16	20