

Solenoid valves SV、SSV、SV-G、NSV series

Technical data

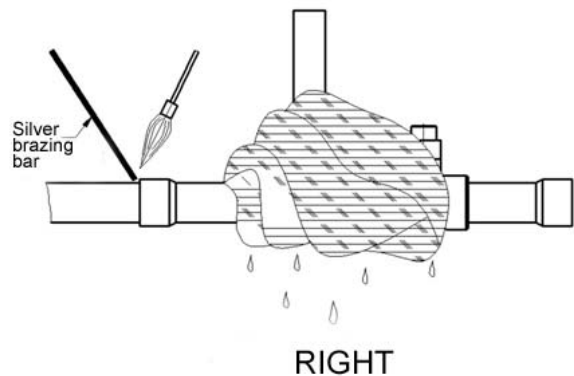
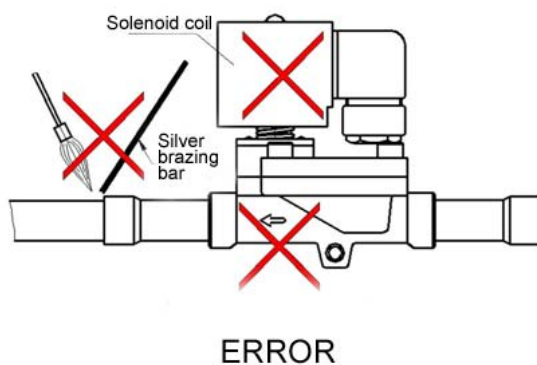
Ambient temperature: -20 ~ 50°C
 Medium temperature: -25 ~ 120°C
 Max. working pressure: 3MPa
 Max. testing pressure: 3.5MPa
 Available medium: R134a、R22、R407C、R404A/507、air、water and oil
 Rated power:
 A.C. : 24V,36V,110V,220V,380V
 D.C. : 12V,24V,110V,220V

Ordering

Explanation	Valve code	Port size	Connection form	Normal opened code	Rated power
Model	SV	13	W	K	AC220V
Explanation	SV: With diaphragms NSV: With pistons SSV: B-flow	Port size (mm)	Omit for flare SAE W: Solder ODF G: Internal thread F: Waist flange	Omit for normal closed valve K: Normal opened valve	Rated power (V)
Notes	The model SV13WK-AC220V is an example in the table.				

Usage

1. The valve must install in horizontal pipe line under vertical position. The flow direction must meet the arrow direction in valve body.
2. The coil input voltage must meet rated input voltage showed on the label. Departure coil from valve when energized in coil is not permitted in order to avoid damage the coil.
3. According to valve with manual function, it must turn manual bar to open the valve before doing system air tightness in order to avoid to damage diaphragm.
4. When brazing the valve with connect tube in system, follow points are very important:
 - a. Before brazing, coil must be departure and use wet fabric cover the valve body to avoid to damage valve part because of high temperature when brazing.
 - b. It must avoid the brazing flame face to valve body.
 - c. It is better to adopt low temperature type silver brazing bar.



Solenoid valves (bi-flow) SSV series

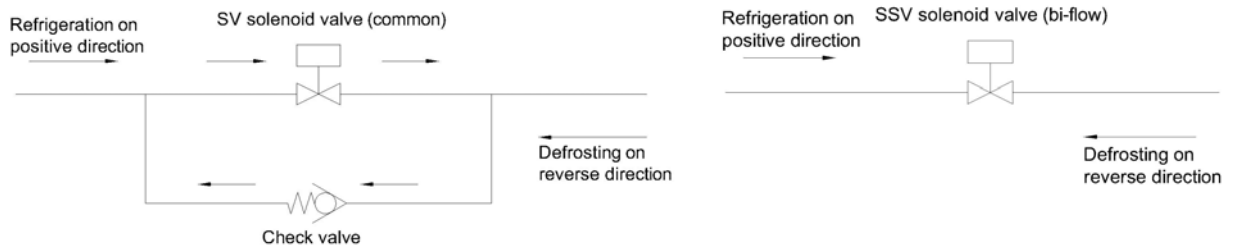
Introduction



SSV series two-way bi-flow solenoid valves are mainly used for the defrosting of wind cooling heat pump refrigeration unit and the defrosting of supermarket refrigerators as well.

The adoption of SSV series can reduce the amount of check valves and solenoid valves in the refrigeration system, which makes system pipeline designs more reasonable.

Operating principle



Type & data

Connection form	Model	Connection dimension (in.)	Kv value (m ³ /h)	Opening diff. pressure (MPa)			Dimension (mm)					
				Min.	Max.		Length	Wide	Height			
					A.C.	D.C.						
Flare SAE	SSV6	5/16	0.4	0.01	2.1	1.7	85	45	97			
	SSV8	3/8	1				85	45	97			
	SSV10A	1/2	1.8				85	45	97			
	SSV13A	5/8	3				89	45	97			
	SSV16	3/4	4.5				118	60	120			
	SSV19	7/8	5				118	60	120			
Solder ODF	SSV6W	5/16	0.4				0.03	2.1	1.7	126	45	97
	SSV8W	3/8	1							126	45	97
	SSV10AW	1/2	1.8							126	45	97
	SSV13AW	5/8	3							150	45	97
	SSV16W	3/4	4.5							190	60	120
	SSV19W	7/8	5							190	60	120
	SSV25W	1-1/8	9.5	240	72	120						
				250	72	120						
		1-3/8	15	260	86	130						
				281	86	130						

The Kv value is the water flow in m³/h at a pressure drop across valve of 0.1MPa, ρ=1000 kg/m³
Letters after the model: "A" means improved type, "W" means solder ODF.