

2-WAY STEAM SOLENOID VALVES

DIRECT LIFT, NORMALLY CLOSED, BRASS VALVE BODY, EPDM SEALS

SV230 Series



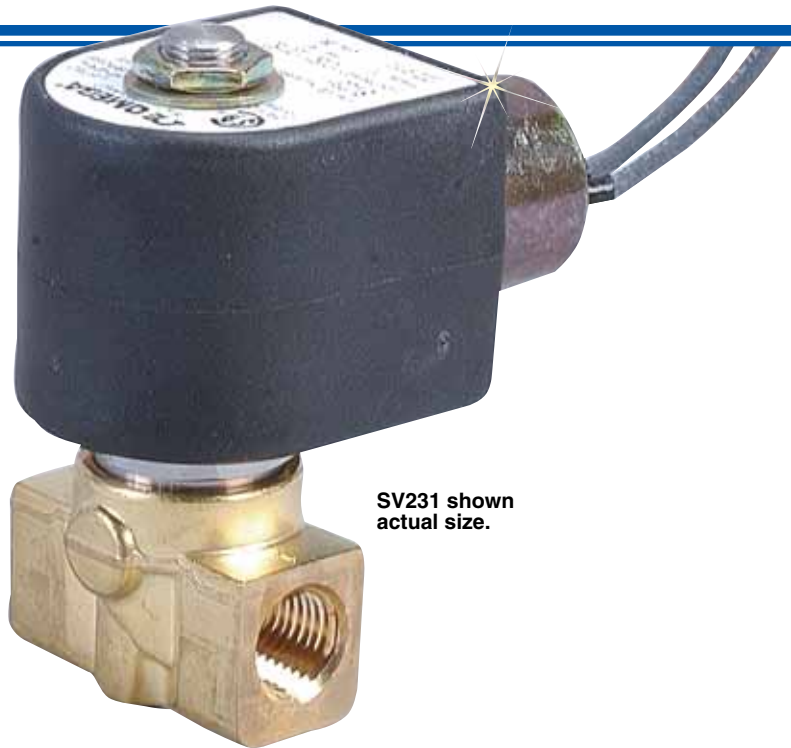
- ✓ Rated Up to 145°C (293°F) Steam
- ✓ Rugged NEMA 4 (IP65) Housing
- ✓ Mounts in Any Position
- ✓ Rated for Continuous Duty

TYPICAL APPLICATIONS

- ✓ Heating and Cooling
- ✓ Commercial Dish Washing Equipment
- ✓ Car Washing Equipment
- ✓ Food Processing
- ✓ Commercial Laundry Equipment
- ✓ Bottle Washing
- ✓ Sterilizing Equipment

The SV230 Series valves are designed for low-pressure steam applications in which the valve must operate when the pressure drop across the valve falls into the 0 to 5 psi range. These valves are able to control steam up to 45 psi at 145°C (293°F). All seals are made of ethylene propylene for compatibility with steam over a wide temperature range and for trouble-free, bubble-tight service.

The SV231 through SV234 are direct-lift valves, which combine the features of a direct-acting valve with those of a pilot-operated valve. Because of a flexible link between the solenoid plunger and the diaphragm, the direct-lift valve functions as a direct-acting valve at low pressures and as a pilot-operated valve at high pressures. It is sometimes referred to as a zero delta pressure valve or a hung diaphragm valve.



SV231 shown actual size.



SV234 shown actual size.

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SPECIFICATIONS

Operation: Direct lift

Wetted Parts: Brass, stainless steel, copper and seal

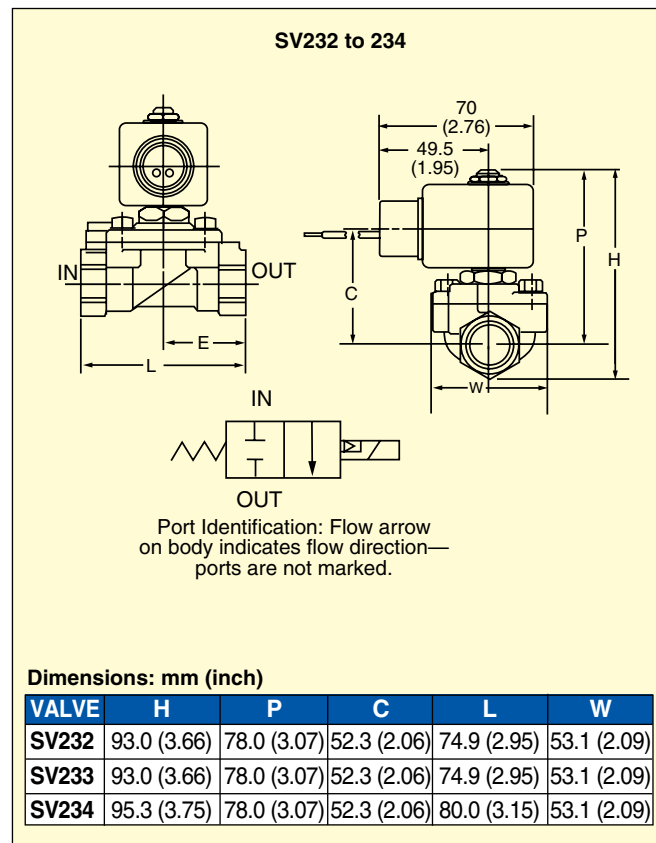
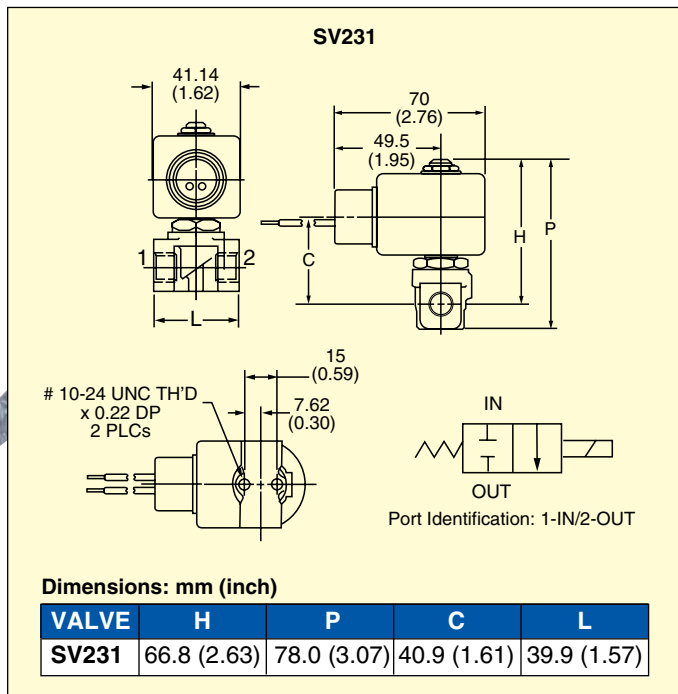
Medium: Liquid or gases

Max Static Pressure: 5 times max psid

Ambient Temp: -9 to 50°C (15 to 122°F)

Mounting: Pipe mounting, any direction

Power: 22 W, 120 Vac, 50 to 60 Hz, Class H



VALVES AND REGULATORS

To Order

MODEL NO.	NPT FITTING	ORIFICE	C _v	SEAL	DIFF PRES (psid)		TEMP		RESPONSE TIME	
					MIN	MAX	°C	(°F)	OPEN	CLOSE
SV231	1/4	13/64"	0.76	EPDM	0	40	141	285	4 to 8 ms	4 to 8 ms
SV232	3/8	5/8"	4.4	EPDM	0	45	145	293	30 to 100 ms	350 to 900 ms
SV233	1/2	5/8"	4.4	EPDM	0	45	145	293	30 to 100 ms	350 to 900 ms
SV234	3/4	5/8"	5.5	EPDM	0	45	145	293	30 to 100 ms	350 to 900 ms

Comes complete with operator's manual.

Note: Some solenoid valves are available with 24 Vdc coils. Five piece minimum order. UL approval is not available with 24 Vdc coils. Specifications effected; pressure ratings may decrease; coil wattage ratings may increase. Consult Engineering.

Ordering Examples: SV232, 2-way direct-lift steam valve, NC with a brass body and 3/8" NPT fitting with EPDM seal.

SV234, 2-way direct-lift steam valve, NC with a brass body and a 3/4" NPT fitting and EPDM seals.