

SV-10 Series PVC Solenoid Valves

M2195/0695



Unpacking Instructions

INSTRUCTION

SHEET

Remove the Packing List and verify that you have received all equipment, including the following (quantities in parentheses):

SV-10 Series PVC Solenoid Valves (1)

Operator's Manual (1)

If you have any questions about the shipment, please call the OMEGA Customer Service Department.

When you receive the shipment, inspect the container and equipment for signs of damage. Note any evidence of rough handling in transit. Immediately report any damage to the shipping agent.

> The carrier will not honor damage claims unless all shipping material is saved for inspection. After examining and removing contents, save packing material and carton in the event reshipment is necessary.

NOTE

Available Models (Normally Closed Valves)

Part Number	Port Connection (NPT)	Cv	Pressure Range (PSI)	Orifice Diameter (in)	Weight (Ib)
SV-11	1/2	5.8	7-85	9/16	1.4
SV-12	3/4	7.0	7-85	3/4	1.8
SV-13	1	16.3	7-85	1	2.6
SV-14	1-1/4	18.6	7-85	1-1/4	2.6
SV-15	1-1/2	35.0	7-85	1-1/2	4.9
SV-16	2	41.9	7-85	2	4,9

For normally open version, add suffix "-NO" to the part number. PVDF versions are available on request.

Options

Ordering Suffix	Description	
-24VDC	24 Vdc operation	
-12VDC	12 Vdc operation	
-240VAC	240 Vac operation	

Description

The SV-10 Series solenoid valves for corrosive applications

Fluids Handled

Neutral or aggressive gases or liquids which do not attack the valve body material PVDF and PVC (rigid PVC in accordance with DIN 8061 and 8062, resistant) or the selected seal material. Seal material: A = EPDM, B = NBR, F = FPM; see the rating plate. Seal materials is marked on the rating plate after nominal size.

Attention !

Note permissible pressure range on the rating plate. Pressure difference: at least 0.5 bar

Pressure



Ambient temperature: up to + 40 °C

Installation

Can be installed in any position. Installation with magnet system upright is recommended. Note direction of flow. Stick-on sleeves: Use special Tangit adhesive. Fusion joint: PVDF

Nuts: Screw on evenly on both sides - by hand only. Contamination in the piping (seal material, metal chips, etc.) must be removed.

The valve body should not be stressed when installed. The manual actuator is locked in place by pressing down and turning to the right (clockwise direction). The valve body can be fastened on the bottom.

Electrical Connection

Note the voltage and type of current indicated on the rating plate. Voltage tolerance of $\pm 10\%$. Connection via cable connector.

Flat connector lug = ground connection.

Connector: Insert can be turned $4 \times 90^{\circ}$; tightening torque is 1 Nm.

Spare Parts

See chart for spare part sets. Remove pilot valve: Loosen the 2 (non-secured) screws.





OMEGA warrants this unit to be free of defects in materials and workmanship and to give satisfactory service for a period of **13 months** from date of purchase. OMEGA Warranty adds an additional one (1) month grace period to the normal **one (1) year product warranty** to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product. If the unit should malfunction, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of being damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's. These include contact points, fuses, and triacs.

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