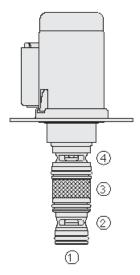
### **Overview**



SV98-T40S-0-N-24DRZ

www: e-mail: shop/sklep: www.salushydraulics.pl pl@salushydraulics.pl www.salushydraulics.pl/sklep/

**Description** 

This valve is a direct-acting, spool-type, 2-position, 4-way directional control valve. It is a drop-in, flange mounted, cartridge type valve for use with general purpose hydraulic fluids. Pressure at the tank port (port 1) should not exceed 50 psi [3.4 bar] for proper valve function. The coil is an integral part of the valve and is not serviceable

#### Operation

When de-energized, the SV98-T40 allows flow from port 3 to port 2 and from port 4 to port 1. When energized, the cartridge spool shifts to allow flow from port 3 to port 4 and from port 2 to port 1.

#### Features

- · Economical drop-in style.
- Integral waterproof coil standard; see page 3.400.1\_pdf for a description
- o of tests conducted to verify coil waterproofing.
- 12 VDC or 24 VDC coils.
- · Several push-on termination options.

#### **Symbol**



# **Ratings**

### Pressure Ratings

Pressure rating 30 bar (435 psi)

Flow Ratings

Flow rating 30 lpm (8 gpm)

Maximum internal leakage 70 ml/min (4.3 in³/min) - Note: Max from inlet to tank at and 30 bar (435 psi) 40 °C (248

°F)

Temperature Ratings

Operating fluid temperature -40 to 149 °C (-40 to 300 °F) - **Note**: HNBR seals

Storage temperature -40 to 70 °C (-40 to 160 °F) Ambient temperature -40 to 90 °C (-40 to 194 °F)

**Other Ratings** 

Corrosion protection 960 hour Salt-spray

Environmental rating IP69K - Note: Deutsch and Metri-pack

IP65 - Note: Amp

Response 50 ms - Note: First indication of change of state with 100% voltage and flow rating. Pull-

in.

30 ms - Note: First indication of change of state with 100% voltage and flow rating.

Drop-out.

Minimum pull-in voltage 80% of nominal voltage - **Note:** At 30 bar (435 psi), at 90 °C (194 °F)

# **Operating Parameters**

Fluids Mineral based or synthetic hydraulic fluid with lubricating properties.

Fluid viscosity range 7.4 to 420 cSt

Maximum operating contamination level 20/18/14 per ISO4406



# **Properties**

Unit weight 0.26 kg (0.57 lb) - **Note:** Including coil

Internal wetted surface area 180.13 cm² (27.92 in²)

**Electrical Parameters** 

Valve inductance 92 mH - **Note**: 12 V coil - **Note**: 24 V coil

**Materials** 

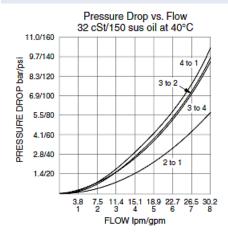
Cartridge Steel with hardened work surfaces, zinc plated exposed surfaces

O-rings HNBI

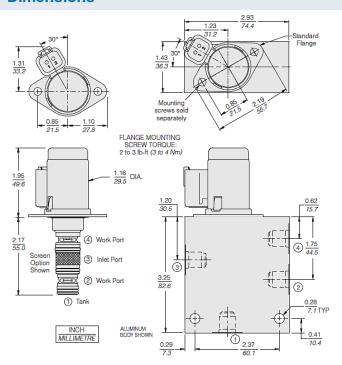
Coil is encapsulated, class h high temperature magnetic wire, shell is zinc nickel plated

Standard ported body Anodized high strength 6061 t6 aluminum alloy

# **Performance**



## **Dimensions**



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# **Installation Specifications**

Cavity VC-T004

Installation type Flange mounted (see "drop-in coil outline drawing" for flange options).

Orientation restrictions None

Mounting screws M5 X 8, HF P/N: 4000039 (sold separately)

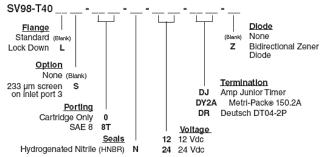
Mounting screw torque 3 to 4 N-m (2.2 to 3.0 ft-lb)

#### **Accessories**

Seal kit SK98-T4X - **Note**: X = Seal option

Housings

# **Order Code**



POSITION	CODE	DESCRIPTION
		SV98-T40DG-H-J-KL
D		Flange
D	BLANK	Standard
D	L	Lock Down
G		Screen
G	BLANK	None
G	S	142 micron Screen
Н		Line Body
Н	0	No Body
Н	8T	Aluminum SAE 8
Н	2B	Aluminum BSPP 1/4" (2)
J		Seal
J	N	HNBR
K		Coil Voltage
K	12	12 VDC
K	24	24 VDC
L		Coil Termination
L	DJ	D-Coil, AMP Jr.
L	DJ/Z	D-Coil, AMP Jr. with Zener Diode
L	DR	D-Coil, Deutsch
L	DR/Z	D-Coil, Deutsch with Zener Diode
L	DY2A	D-Coil, Metri-Pack 150.2
L	DY2A/Z	D-Coil, Metri-Pack 150.2 with Zener Diode

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