

ENVIRONMENTAL CHARACTERISTICS

SALT SPRAY EXPOSURE AND WORKING TEMPERATURE

• Waterproof shells

Shell material	Shell finish	Salt spray exposure per EIA364.26	Class norm	SCP DESIGNATIONS	Operating temperature	
					Mini	Maxi
Aluminium	Electroless Nickel	500 H	W	SCP TV-RW ☺	-65°C	+175°C
	O.D cadmium	48 H	F	SCP TVS-RF	-65°C	+200°C
	Durmalon (Ni-PTFE)	500 H	T		-65°C	+175°C
	Green Zinc Cobalt	96 H	-		-65°C	+175°C
	Black Zinc Nickel	500 H	Z	SCP TV-Z	-65°C	+175°C
Composite	Electroless Nickel	2000 H	M	SCP CTV-RF	-65°C	+200°C
	O.D cadmium	2000 H	J	SCP CTV-RW	-65°C	+175°C
Stainless steel	Nickel	48 H	S	SCP TVS-RS	-65°C	+200°C
	—	500 H	K	SCP TVS-RK	-65°C	+200°C
Bronze	—	500 H		SCP TVS-RB	-65°C	+200°C

• Hermetic shells

Shell material	Shell finish	Salt spray exposure per EIA364.26	Class norm	DESIGNATIONS	Operating temperature	
					min	max
Stainless steel	Nickel	48 H	N	TVS-YN	-65°C	+200°C
	-	500 H	Y	TVS-Y	-65°C	+200°C

- Humidity: per MIL-DTL-38999: § 3.29
- Altitude immersion: according to MIL-DTL-38999 III standard (except hermetics)
- Air leakage <math> < 1.10^{-7} </math> cm³/s under 1 bar of differential pressure (hermetics only)

• Fluid immersion per EIA364.10:

- Hydraulic fluid, per MIL-H-5606
- Turbine fluid, grade JP-8, per MIL-DTL-83133 (NATO TYPE 34)
- Lubricating oil, per MIL-L-7808
- Lubricating oil, per MIL-PRF-23699
- Defrosting fluid, per MIL-A-8243
- Cleaning compound, diluted for cleaning, per MIL-PRF-87937 type I alkaline base
- Gasoline, per ASTM-D-4814
- Gasohol, per A-A-52530
- One part isopropyl alcohol, per TT-I-735, grade A or B ; and 3 parts mineral spirits, per A-A-2904, type II, grade A or P-D-680, type I, by volume
- Coolant, dielectric fluid, synthetic silicate ester base MIL-PRF-47220 (Coolanol 25) or equivalent
- Hydraulic fluid M2-V Chevron oil ST0145LB0001 or equivalent