3.6 Tamson Immersion Coolers – KV Line

The Tamson KV40 and KV80 are portable, compact immersion coolers that provides fast, continuous cooling down to –40°C or -80°C. It can be used in conjunction with an immersion heating circulator if temperature control is necessary. The KV series provides efficient cooling capacity and it eliminates constant cold trap hassles and the need for chemical refrigerants such as dry ice and acetone mixtures. The KV line can be used as or with rotary evaporator cold-trap condensers, cooling open reservoirs, vapour and solvent trapping. It can also be used with the Tamson TLV25.

KV80

Main Characteristics

The KV40 and KV80 are designed for heat extraction from fluid in viscometer baths. The combination of the KV40 and the low temperature viscosity bath TLV25, allows stable viscosity measurements at low temperatures down to -40°C. The KV80 allows measurements to -80°C. Temperature stability of the TLV25 and KV40/KV80 combination supersedes ASTM D445 requirements. The cooling probe of the system is formed by a nickel plated cupper coil at the top of a flexible hose. This probe can be immersed in fluid which has to be cooled down. The KV40 and KV80 can be switched off via its main switch on the side panel.

	KV40 	**KV80** 
Minimum Probe temp	-40°C/-40°F	-80°C/-112°F
Body	Steel. PET	Stainless steel, PET
Hose length	2500 mm	
Probe length	190 mm	
Probe diameter	47 mm	
Dimension LxWxH	390 x 310 x 360 mm	560 x 450 x 500 mm
Weight	25 kg	60 kg
Power	600 Watt	1200 Watt

- KV40 **REF** 00T0212 (230V/50Hz) • **REF** 00T212A (230V/60Hz) • **REF** 00T0259 (115V/60Hz)
- KV80 **REF** 00T0216 (230V/50Hz) • **REF** 00T216A (230V/60Hz) • **REF** 00T0260 (115V/60Hz)