

SPHERA GROUP

EVS Viscometer Bath

With (or without) integrated solid state cooling

Constant Temperature bath with built-in solid-state cooling (according to model type).

Suitable for kinematic viscosity measurement and dilute solution (polymer) measurement.

Solid State chiller provides background ambient cooling to provide excellent bath temperature stability.



The EVS Viscometer bath comprises of a stainless-steel inner tank with double glazed front window. The window is illuminated from the front with LED lighting.

The inner tank accommodates a PTFE paddle stirrer, with heaters and over temperature cut-out device.

The inner top plate of the bath accommodates up to 5 viscometer positions.

A built-in (optional) solid-state cooling module recirculates a cooling liquid through a stainless-steel coil accommodated in the tank. A built-in reservoir holds the coolant with a filling cap situated in the top of the bath at the rear.

The EVS has a 24VDC switching power supply- this provides continuous high precision temperature control to ± 0.01 or better (ASTM D445, ISO 3104 requires $\pm 0.02^{\circ}\text{C}$).

EVS Viscometer Bath Models:

EVS-TCB-5-C Includes 5 place Viscometer bath with integrated solid-state cooling -- recommended for temperature set points between 20 to 40°C

EVS-TCB-5-S Includes 5 place Viscometer bath only (i.e., with no integrated cooling) -- recommended for temperature set points between 45 to 100°C

The EVS Viscometer Bath, can be used with manual viscometers, as well as automated viscometers.

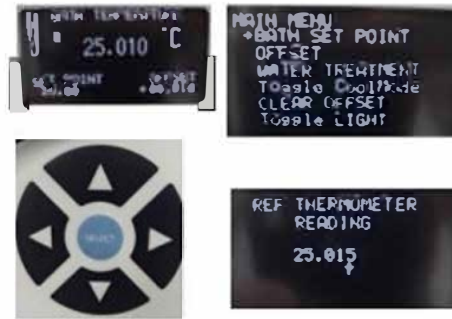
The bath is designed with a flat top lid, to accommodate a Viscometer Control Module.

The integrated solid state chiller has a reservoir with filling cap situated in the top of the bath.



A five-button control pad on the EVS provides single step access to menus. The user interface includes selection of set-point, reference temperature (offset), units (°C, °F) and the chiller set-point.

A bright OLED Screen clearly displays the temperature and the status of the instrument



EVS Viscometer Bath Specifications	
Bath filling volume	20L
Coolant filling volume	150mL
Temperature range (with cooling)	20 to 40°C* *maximum 60 deg. C for built in water cleaning cycle
Temperature range (without cooling)	Up to 100°C
Number of Viscometer Positions	5 in 2 rows
Heating power	450W
Cooling power	150W
Power requirements	100 to 240V AC
Dimensions	400mm (wide) x 536mm (deep) x 450mm (high)



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