Proline Viscothermostats

LAUDA viscothermostats are optimized for directly observing inserted objects. The temporal and spatial temperature stability required for precisely determining the viscosity is guaranteed for the full temperature range. As such, they are ideal for use with the fully automated LAUDA PVS or iVisc viscometers. Thanks to the double-chamber principle, a constant liquid level in the measuring room is guaranteed regardless of the rate and temperature. The PVL models are equipped with five layers of insulating glass and by connecting a DLK 45 through-flow cooler or Proline RP 890 cooling thermostat are suited to low-temperature measurements down to -40 or -60 °C.

Viscothermostat PV 24 C

Special features

- Corrosion-resistant stainless steel bath with 15, 24 or 36 liter bath volumes
- Double-chamber system for constant liquid level in the measuring chamber of bath
- Cover plates for up to six automatic or nine stop watch (manual) measuring stations
- Multi-glazing with optional heating avoids fogged up glass panes
- Integrated heat exchanger for counter-cooling
- Can be combined with LAUDA flow coolers
- High control precision thanks to adaptive PID regulation
- Optional external sensor controls the temperature at the measuring location
- Integration of magnetic stirrers and combination with VAS systems possible

Temperature range

-60**…230 °C

Included accessories

2 hose nipples and 4 plugs for pump connection · 2 hose nipples for cooling coil

Additional accessories

Heatable window frame – only for PVL 15 C, PVL 24 C · solenoid valve for cooling water, additional cooler

Technical features		PV 15/PV 15 C	PV 24/PV 24 C	PV 36/PV 36 C	PVL 15/PVL 15 C	PVL 24/PVL 24 C
Temperature range	°C	0*...230	0*...230	0*...230	-60**...100	-60**...100
Temperature stability	±K	0.01	0.01	0.01	0.01	0.01
Heater power 230 V (115 V/208-220 V)	kW	3.5 (1.8/-)	3.5 (-/3.5)	3.5 (-/3.5)	3.5 (1.8/-)	3.5 (1.8/-)
Pump pressure max.	bar	0.8	0.8	0.8	0.8	0.8
Pump suction max.	bar	–	–	–	–	–
Pump flow pressure max.	L/min	25	25	25	25	25
Pump flow suction max.	L/min	–	–	–	–	–
Bath volume	L	11…15	19…24	28…36	11…15	19…24
Bath opening/depth	mm	230x135/320	405x135/320	585x135/320	230x135/320	405x135/320
Glass pane size	mm	149x230	326x230	506x230	149x230	326x230
Dimensions	mm	506x282x590	740x282x590	1040x282x590	506x282x590	740x282x590
Cat. No. Master 230 V; 50/60 Hz		LCD 0276	LCD 0278	LCD 0280	LCD 0282	LCD 0284
Cat. No. Master 115 V; 60 Hz/208-220 V; 60 Hz		LCD 4276/-	LSO 4312/LCD 8778	-/LCD 8280	LCD 4282/-	LCD 4284/-
Cat. No. Command 230 V; 50/60 Hz		LCD 0277	LCD 0279	LCD 0281	LCD 0283	LCD 0285
Cat. No. Command 115 V; 60 Hz/208-220 V; 60 Hz		LCD 4277/-	-/LCD 8779	-/LCD 8281	LCD 4283/-	LCD 4285/-

* Possible with LAUDA additional cooler ** Possible with LAUDA Proline RP 890