



LVS 105 T - 10 ef

The perfect partner for rotary evaporation

- Ecoflex Speed Control System
- Superior Chemical Resistance
- High Performance at Low Vacuum Levels



Fast Process Times - High Control Accuracy

The ecoflex control philosophy - places control where it is needed

LVS systems are specially designed for solvent distillation / evaporation applications and comprise a chemical duty diaphragm pump with optional control packages, liquid containment and exhaust vapour condenser for optimal solvent recovery. Designed for chemical applications all wetted and touching parts are made of high quality chemically resistant materials and clear plastic coated glassware. With an ultimate vacuum of 2 mbar (1.5 torr) and a peak flow of 20 L/min the LVS 105 T - 10 ef has been optimized for both high and low boiling point solvents.

Ideal for rotary evaporation

The key features of the LVS ecoflex series all come from the ecoflex control philosophy which continuously adjusts the pumping speed to match the vapour load produced by the evaporation process, regardless of changes in other parameters. Boiling points can be selected via jog-dial from the internal solvent library, or can be automatically derived by the controller with sensitivity adjustable by the user. Our inlet and outlet condenser enable nearly total solvent recovery and are very easy to clean and empty due to the optimized system design. These features make the LVS 105 T - 10 ef an attractive operation device which can be left unattended during a process.

Transport knob for flexible use and movement

Easy Handling due to multilingual display and automatic derivation of ecoflex control by control pad

Separators at in- and outlet to collect condensates and prevent pump of particals or liquid drops



Boiling point selection via jog dial

Maintenance-free drive system and proven long diaphragm life

Low noise operating of build-in diaphragm pump

Compact and user friendly design supports benchtop savings and cleaning procedures

Applications:

- Rotary Evaporation
- Vacuum Oven
- Multi-User Networks (Netvac)
- Single Vacuum Source for standard lab applications
- Solvent Concentration

Design Features:

- Resistant to acid and solvent vapors
- Wetted parts in PTFE, PVDF, PEEK, PP and clear plastic coated glassware
- Automatic adjustment of vacuum level while high process reproducibility and unattended operation
- Ecoflex control varies speed constantly

Certification: CE Marked



Technical Features/Ordering Information :

Model	Pumping Speed l/min	Ultimate Pressure mbar	Tubing Needed mm	Dimensions W/D/H mm	Weight kg	CAT. No.
Laboratory Vacuum System LVS 105 T - 10 ef 80 - 260V, 50/60Hz	20	2	DN 8	250/260/435	9.5	114184

Scope of Delivery: Every LVS system is supplied with a Chemical Duty Diaphragm Pump and a DN 8 hose connector, Schuko and UK plug leads. Comes pre-assembled and ready to use including operation manual.

Accessories:



Cooling Water Connection Kit
CAT. No. 112575



Software & Connection Cable
CAT. No. 620637-01



Water Valve WW 2 for VCB + LVS
CAT. No. 700300-02