

# LVS 105 T - 10 ef

## The perfect partner for rotary evaporation

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



## The ecoflex control philosophy

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 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 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.

## LVS 105 T - 10 ef

### Fast Process Times - High Control Accuracy

#### Applications

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

#### Advantages

- > 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

#### Accessories



Cooling Water Connection Kit.  
CAT. No. 112575



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



- 1 Easy Handling due to multilingual display and automatic derivation of ecoflex control by control pad
- 2 Boiling point selection via jog dial
- 3 Separators at in- and outlet to collect condensates and prevent pump of particulates or liquid drops
- 4 Compact and user friendly design supports benchtop savings and cleaning procedures power adapter
- 5 Maintenance-free drive system and proven long diaphragm life
- 6 Low noise operating of built-in diaphragm pump

#### TECHNICAL FEATURES / ORDERING INFORMATION

Model	Laboratory Vacuum System LVS 105 T - 10 ef...90 - 260V, 50/60Hz
Pumping Speed	20 l/min
Ultimate Pressure	2 mbar
Tubing Needed	DN 8 mm
Dimensions WxDxH	250x260x435 mm
Weight	9.5 kg
CAT. No.	114184

APPLIED VACUUM TECHNOLOGY

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by Gardner Denver

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