

# **NEW** Chemistry Vacuum System

## **LVS 105 T -10 ef<sup>+</sup>**

### **THE PERFECT PARTNER FOR YOUR ROTOVAP**

- ✓ Fast process times - high control accuracy
- ✓ Bench space saving design & Whisper quiet operation
- ✓ Multilingual high contrast 5" colour display with Light / Dark mode



#### **EMEA**

Gardner Denver Thomas GmbH  
Livry-Gargan-Str. 10  
82256  
Fürstenfeldbruck  
Germany

Tel: +49 8141 2280 1000  
Fax: +49 8141 8892136  
welch.emea@gardnerdenver.com

# **WELCH**

[www.welchvacuum.com](http://www.welchvacuum.com)

# INTELLIGENT EVAPORATION IN CHEMISTRY AND PHARMA LABS

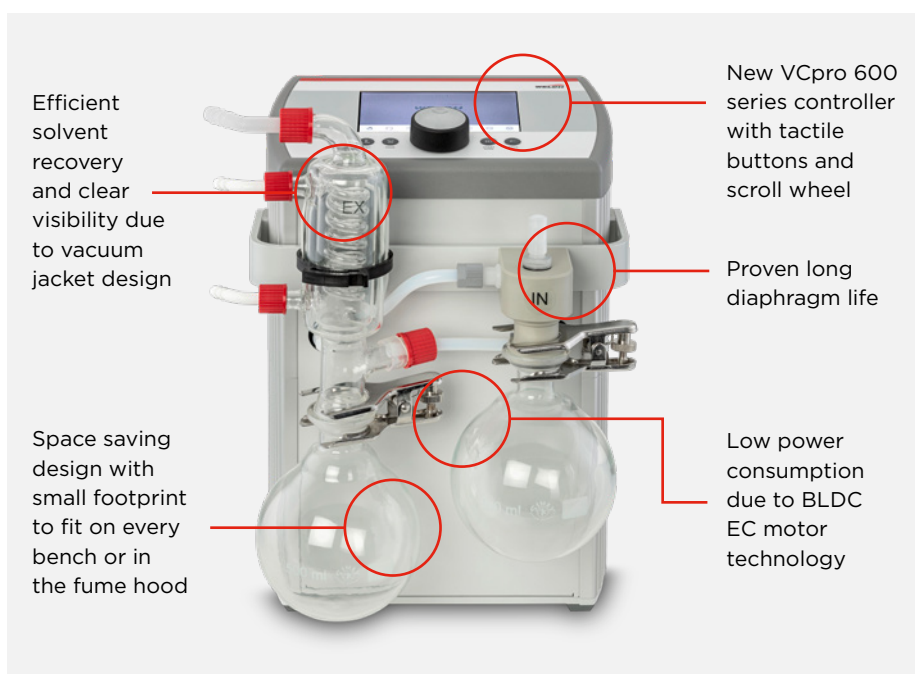
## Faster, better quality distillation and solvent concentration

The LVS 105 T -10 ef\* system is specially designed for solvent distillation / evaporation applications and comprises of a chemical duty diaphragm pump and VCpro 600 series digital controller with rpm motor speed control (ecoflex technology). Liquid separator and exhaust emissions condenser for optimal solvent recovery are also included. Designed for chemical applications all wetted parts are made of high quality chemically resistant materials and clear plastic coated glassware.

## Ideal for evaporation of high and low boiling point solvents

The chemical resistant diaphragm pump (MPC series) provides a deep stable vacuum <2mbar and is ideal for research labs - evaporate high boiling point solvents, e.g. DMF @ 30°C. The pump is speed controlled, using the ecoflex control, to ensure an accurate and smooth evaporation without bumping and foaming. The **NEW** VCpro 600 series controller has manual, automatic and fully programmable modes for novel processes. It has a large 5" high contrast colour display with light/dark mode for clear readability. Process data can be logged and downloaded for record keeping. Remote control / monitoring is also possible by LAN or RS232 connection. The controller can be protected by PIN at user and admin levels to prevent accidental adjustment. PC software is downloadable for free from the Welch Vacuum website.

## DESIGN FEATURES



## APPLICATIONS

ROTARY EVAPORATOR



DISTILLATION



## YOUR BENEFITS

- ✓ Smooth efficient distillation
- ✓ Fast process times - up to 40% increase in evaporation rates
- ✓ Save energy with ecoflex speed control - GREEN by design

**GREEN**  
By Design

## TECHNICAL DATA / ORDERING INFORMATION

MODEL	PUMPING SPEED L/MIN	ULTIMATE PRESSURE MBAR	TUBING NEEDED	DIMENSIONS WxDxH MM	WEIGHT KG	CAT. NO.
Chemistry Vacuum System, LVS 105 T -10 ef*, 115-230 V, 50/60 Hz	18	2	DN 8	250x260x435	9,5	124184

Scope of delivery: Chemical duty diaphragm pump, housed in casing with digital controller. With inlet separator flask, exhaust emissions condenser and collection flask, vibration isolating feet, Schuko, UK and US plug leads.

### ACCESSORIES

DESCRIPTION	CAT. NO.
Rotary evaporator connection kit, includes fittings and hoses for vacuum & cooling water	112575



For other models in the range see our Chemistry Vacuum Systems brochure

REQUEST A QUOTATION

welch.emea@gardnerdenver.com | +49 8141 2280 1000