

## Welch MXPC Laboratory Vacuum Systems

**WELCH**

Especially suitable for applications for distillation and evaporation of solvents. It finds its use in laboratories or industry, specifically for pumping aggressive gases and vapours. It consists of a dry running, two stage chemical resistant diaphragm pump with gas ballast valve, the suction side condensate separator (round bottom flask 500mL) for collecting liquids and particles. An emission condenser is provided on the pressure side for solvent recovery, as an isolated intensive condenser with connections for cooling water supply and return, as well as a 500mL round piston and safety valve.

Code	Alt Ref	Model	Flow Rate, L/min	Ultimate Vacuum, mbar	Dims, w x d x h, mm	Price
PUM1210	117047	MXPC 303 Z	33	5	250 x 350 x 440	£2361.00
PUM1212	117057	MXPC 603 T	65	2	250 x 350 x 500	£3530.00



## Welch LVS 105 T ef+ Automated Diaphragm Vacuum System

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Especially designed for solvent distillation/evaporation applications and comprises of a chemical duty diaphragm pump and VCpro 600 series digital controller. 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.

- Provides a deep stable vacuum <2mbar, and is speed controlled to ensure an accurate and smooth evaporation without bumping and foaming.
- Vacuum controller with manual, automatic and fully programmable modes
- Remote control/monitoring is also possible by LAN or RS232 connection
- Multilingual 5" high contrast display with light/dark mode for clear readability
- Process data can be logged and downloaded for record keeping
- Self-cleaning cycle to remove solvents in the pump
- Compact and portable, very quiet running
- Save energy with ecoflex speed control - GREEN by design
- Fast process times – up to 40% increase in evaporation rates



Code	Alt Ref	Flow Rate, L/min	Ultimate Vacuum, mbar	Dims, w x d x h, mm	Price
PUM4020	124184	18	2	250 x 260 x 435	£3627.00

## Welch VMpro Multi-Range Vacuum Gauges

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Combines Pirani technology with the advantages of a ceramic capacitance diaphragm sensor in a single gauge. In the measurement range between 10 mbar and atmospheric pressure the capacitance diaphragm technology provides gas-type independent, highly accurate values for reliable pressure measurement. The built in digital LCD display gives clear readability for easy vacuum level monitoring and also shows the current measuring principle. There is a status indication light on top of the sensor.

- Robust Vacuum gauge for rough and fine vacuum range
- Rugged combination sensor combines most advanced Pirani and capacitance membrane technology
- High accuracy and excellent resolution in the range atmosphere to  $5 \times 10^{-5}$  mbar
- Standard or chemical resistant sensor version with built in LCD Display



Code	Alt Ref	Description	Price
PUM8010	600092	VMpro 1 multi-range vacuum gauge	£681.00
PUM8012	600094	VMpro 2 chemical resistant multi-range vacuum gauge	£788.00