

Pumps, vacuum systems



- Range of vacuum systems from simple manometer control to fully programmable combinations
- All systems feature chemically resistant PTFE diaphragm pumps
- Unique glass/PEEK pump head allows visual inspection of for contamination/damage
- Single button operation with EasyVac and LabVac systems
- Advanced and Professional systems are multi-functional units with bright LCD digital and analogue graphics display

Designed to work optimally together these systems (manometer excepted) allow the variable speed-variable stroke capability of the pumps to be exploited to reduce noise, costs, and maintenance.

Controllers are mounted directly on the V-700 vacuum pump, but can also be mounted on a retort stand or the R-II/R-210/R-215 Rotavapor® if required.

Manometer system includes a simple vacuum gauge with adjustable needle valve for coarse vacuum control.

LabVac system is a dedicated module designed to provide a house vacuum system. The module seeks and maintains the lowest possible vacuum within a system. Ideal for filtration manifolds, vacuum ovens, drying cabinets etc.

EasyVac system is a dedicated module designed to work specifically with the V-700 or V-710 pumps to allow automatic distillations with any rotary evaporator. The module gradually lowers the vacuum until solvent vapour is detected. Once all vapour has been evaporated, the controller then looks for other solvents. The process is repeated until all solvents have been distilled off.

Advanced system features the V-850 controller and is designed to facilitate distillations using rotary evaporators. Has an in-built solvent library of 43 common solvents. Simply select the solvent to be distilled and the parameters are set for you. Full manual control also possible, including vacuum release. When used with the R-210/R-215 Rotavapor® the controller can also control the rotation and the electronic jack. Other functions include LabVac and timer.

Professional system features the fully programmable V-855 controller capable of many different functions. Has all the features of the V-850, but can also be programmed to produce gradients (stepped, ramped, or a combination of both). Also features auto-distillation mode (requires Autodest probe), which can control a distillation by simultaneously measuring several vapour temperatures within the condenser. Other functions include EasyVac, LabVac, timer and repeat of last run.

Choose from a choice of 10mbar or 2mbar systems. For heavy demand applications such as evacuating large vessels, the higher throughput of the V-710 systems is advised. For most distillation applications, the V-700 systems are perfectly suitable.

Technical Specification

| | |
|----------------------------|---|
| Control | 1,100 to 8mbar (V-700 systems)/1,100 to 1mbar (V-710 systems) |
| Accuracy | ±2mbar (±20mbar for Manometer systems) |
| Dimensions [w x d x h], mm | 180 x 206 x 320 |
| Mass, kg | 5.84 (V-700 systems), 10.94 (V-710 systems) |
| Electrical supply | 85-264V, 50/60Hz |

Manometer systems

| Catalogue No | Legacy No | Alt. No | Description |
|--------------|-----------|---------|---|
| 10493682 | - | 71110 | V-700 vacuum pump |
| 10620475 | - | 72110 | Vacuum system, V-710 with needle valve/ manometer control and fitted Wouff bottle |

LabVac systems

| Catalogue No | Legacy No | Alt. No | Description |
|--------------|-----------|---------|---|
| 10300683 | - | 71510 | Vacuum system: V-700 vacuum pump with V-802 LabVac module (includes Wouff bottle) |
| 10298502 | - | 72510 | Vacuum System: V-710 vacuum pump with V-802 LabVac module (includes Wouff bottle) |



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