



## Pumps, vacuum, PTFE diaphragm, Büchi V-700 and V-710

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**NEW**

- Chemically resistant PTFE diaphragm pumps - ideal for use with Rotary Evaporators
- Compact, robust design. Practically maintenance-free
- Low noise, high performance - choice of <10mbar or <2mbar ultimate vacuum
- Unique glass/PEEK pump head allows visual inspection of the pump's condition
- Variable speed capability (with Büchi V-850 series vacuum controllers) – reduces noise, cuts costs, increases service life

The V-700 and V-710 are chemically resistant PTFE diaphragm vacuum pumps. Unique glass/PEEK pump head design allows easy visibility of the diaphragms giving early indications of contamination.

Both are suitable for a large range of laboratory applications including rotary evaporators, vacuum ovens, drying cabinets or centrifuges and the creation of vacuum for filtration for delivery of liquids. The pumps are both fitted with gas ballast.

Pump control and many vacuum regulation functions can be performed by the V-850/V-855 series of vacuum controllers to form vacuum systems (see page 1,051). When controlled in this way, the pumps utilise their unique variable speed-variable stroke capability – a feature that enables almost silent running and hysteresis free control once the desired vacuum has been attained.

To meet the high economical and ecological standards, the new Eco2-mode has been introduced for the Vacuum Pumps V-700 and V-710. The Eco2-mode is enabled automatically if the pump is used without a vacuum controller for more than two hours and results in a reduction in energy consumption and noise emissions by reducing the pump speed to 55% of initial specification. Final vacuum remains unchanged.

The V-700 is a winner of the prestigious and internationally acclaimed Red Dot award for innovative design.

### Technical Specification - Specific

	VAC-700-010D VAC-700-012W VAC-700-014S VAC-700-016X	VAC-710-010T VAC-710-012P VAC-710-014L VAC-710-016H
No. of	Stages: 2 Heads: 2	Stages: 3 Heads: 4
Final vacuum	<10mbar absolute 24mbar with gas ballast	<2mbar absolute 8mbar with gas ballast
Connections	GL14	GL14
Noise	40 to 52dB(A)	41 to 55dB(A)
Material	PEEK, PTFE, glass, FEP	PEEK, PTFE, glass, FEP
Mass, kg	5.3	10.4
Electrical supply	100 to 240V, 50/60Hz	100 to 240V, 50/60Hz

Catalogue No	Alt. No	Description
VAC-700-010D	71000	Vacuum pump, V-700, pump only
VAC-700-012W	71010	Vacuum pump, V-700 with Woulff bottle
VAC-700-014S	71011	Vacuum pump, V-700 with Woulff bottle and condenser
VAC-700-016X	71012	Vacuum pump, V-700 with Woulff bottle and cold trap
VAC-710-010T	72000	Vacuum pump, V-710
VAC-710-012P	72010	Vacuum pump, V-710 with Woulff bottle
VAC-710-014L	72011	Vacuum pump, V-710 with Woulff bottle and condenser
VAC-710-016H	72012	Vacuum system, V-710 Basic WB CT

### Accessories

Catalogue No	Alt. No	Description
VAC-850-030A	47297	Vacuum controller, V-850 with mounting connections for R-200 series Rotavapors. Includes mains adapter
VAC-855-030Q	47298	Vacuum controller, V-855 with mounting connections for V-700/R-210 instruments
VAC-801-010M	047202	Vacuum module V-801 EasyVac
VAC-700-910N	44288	Control cable, 330mm long, CAT5e network type, to connect Büchi vacuum controllers to Rotavapors or pumps
VAC-700-500J	47015	Pump head for V-700/V-710 pumps and systems
VAC-700-510G	47153	Diaphragm for V-700/V-710 pumps and systems