

# VacuGene™

## Vacuum Blotting Pump *INSTRUCTIONS*

### Unpacking

Unpack the units and accessories. Do not discard any packing materials until each item has been checked against the packing list supplied with the instrument.

Inspect all items for transit damage. If damage has occurred, contact your local Amersham Biosciences office and advise the transport company concerned.

### Installing and operating the pump

1. Place the VacuGene™ Pump within reach of an electrical outlet.

**Note:** This instrument is for indoor use only.

2. Check that the mains power switch on the back panel of the pump is OFF (in the 0 position).
3. Insert the fuse into the appropriate fuse holder and then fit the fuse holder into the back panel of the pump. The mains power inlet, fuses and mains ON/OFF switch are located on the back panel of the vacuum pump.
4. Fit the mains cable into the mains power inlet and connect it to the mains power supply. Ensure that the mains cable is plugged into a fully grounded mains outlet.
5. Using the tubing supplied with VacuGene XL Blotting Unit, connect the pump inlet on the front panel to the connection on the blotting unit. The needle valve controls the vacuum pressure and the vacuum gauge gives readings in the range 0-100 mbar with an accuracy of  $\pm 5\%$ .
6. The low pressure VacuGene Vacuum Blotting Pump requires no regular maintenance.

**Caution!**

All service must be performed by a Amersham Biosciences service engineer.

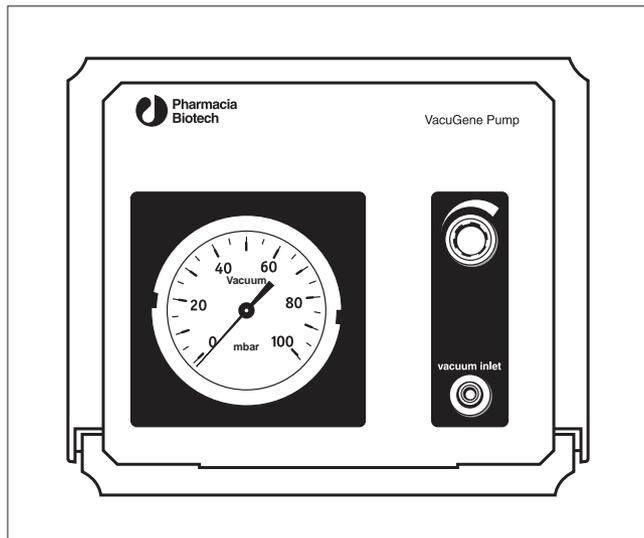


Fig. 1. Pump unit front panel.

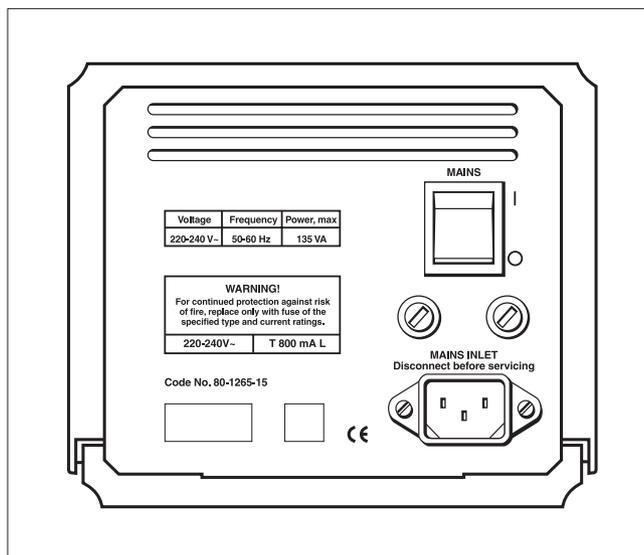
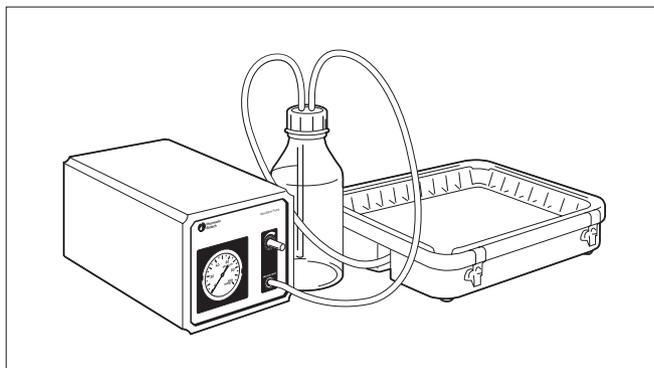


Fig. 2. Pump unit back panel.

To protect the pump, the liquid trap provided with VacuGene XL Blotting Unit should be installed between the pump and a blotting unit. A “T” connector is provided to attach a second blotting unit to the vacuum pump, if required.



**Fig. 3.** Typical arrangement of pump, liquid trap and blotting unit.

## Technical Specifications

Vacuum range:	0-100 mbar
Environment:	+ 4 to +40 °C 20 - 95% relative humidity
Warm-up time:	2 minutes
Mains voltage:	100-120 V, 56/60 Hz (80-1265-14) 230-240 V, 50/60 Hz (80-1265-15)

Power consumption:	46 VA
Dimensions (WxDxH):	160 x 290 x 150 mm
Weight:	3.1 kg
Safety standards:	This product meets the requirements of the Low Voltage Directive (LVD) 73/23/EEC through the harmonised standards EN61010-1

**Note:** The declaration of conformity is valid for the instrument when it is

- used in laboratory locations
- used in the same state as it was delivered from Amersham Biosciences AB except for alterations described in the user manual.
- used as a “stand alone” unit or connected to other CE labelled Amersham Biosciences AB instruments or other products as recommended.

## Spare parts

	Code no.
FUSE 800 mA L (230 V model)	19-3085-01
FUSE 1.25 A L (120 V model)	19-3749-01

## Important user information



**Meaning:** Consult the instruction manual to avoid personal injury or damage to the product or other equipment.

### WARNING!

The Warning sign is used to call attention to the necessity to follow an instruction in detail to avoid personal injury. Be sure not to proceed until the instructions are clearly understood and all stated conditions are met.

### CAUTION!

The Caution sign is used to call attention to instructions or conditions that shall be followed to avoid damage to the product or other equipment. Be sure not to proceed until the instructions are clearly understood and all stated conditions are met.

### Note:

The Note sign is used to indicate information important for trouble-free or optimal use of the product.

## Warranty and liability

Amersham Biosciences AB guarantees that the product delivered has been thoroughly tested to ensure that it meets its published specifications. The warranty included in the conditions of delivery is valid only if the product has been installed and used according to the instructions supplied by Amersham Biosciences AB.

Amersham Biosciences AB shall in no event be liable for incidental or consequential damages, including without limitations, lost profits, loss of income, loss of business opportunities, loss of use and other related exposures, however caused, arising from the faulty and incorrect use of the product.

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