Bibby Sterilin

Bibbyjet Pipette Controller

Fingertip control...
technology & ergonomics in harmony

Barloworld
Scientific

Bibbyjet pipette controller

Powerful, lightweight and handy - the new automatic Bibbyjet has just two function buttons to give you complete control over filling and delivery. Gently or powerfully, the built-in dual-controls allow you to take up liquid slowly or quickly, whatever your needs.
The benefit to you..... serial pipetting without the pain.

Just two buttons for every function

- Continuously adjustable power control
- One full working day of pipetting without recharging
- Suitable for all pipettes from 1ml to 100ml
- Pressure compensation for corrosion protection
- Non-return valve
- Membrane filter
- Ergonomically perfected
- Wall support

This is how it works ....

- Filling:
  Depress the upper button to fill the pipette. The harder you press, the stronger the suction and the faster the pipette fills.
- Delivery (by gravity or blow-out):
  depress the lower button to empty the pipette. A simple flick of the conveniently positioned switch changes delivery between gravity or blow-out mode.

Class A or B tolerances

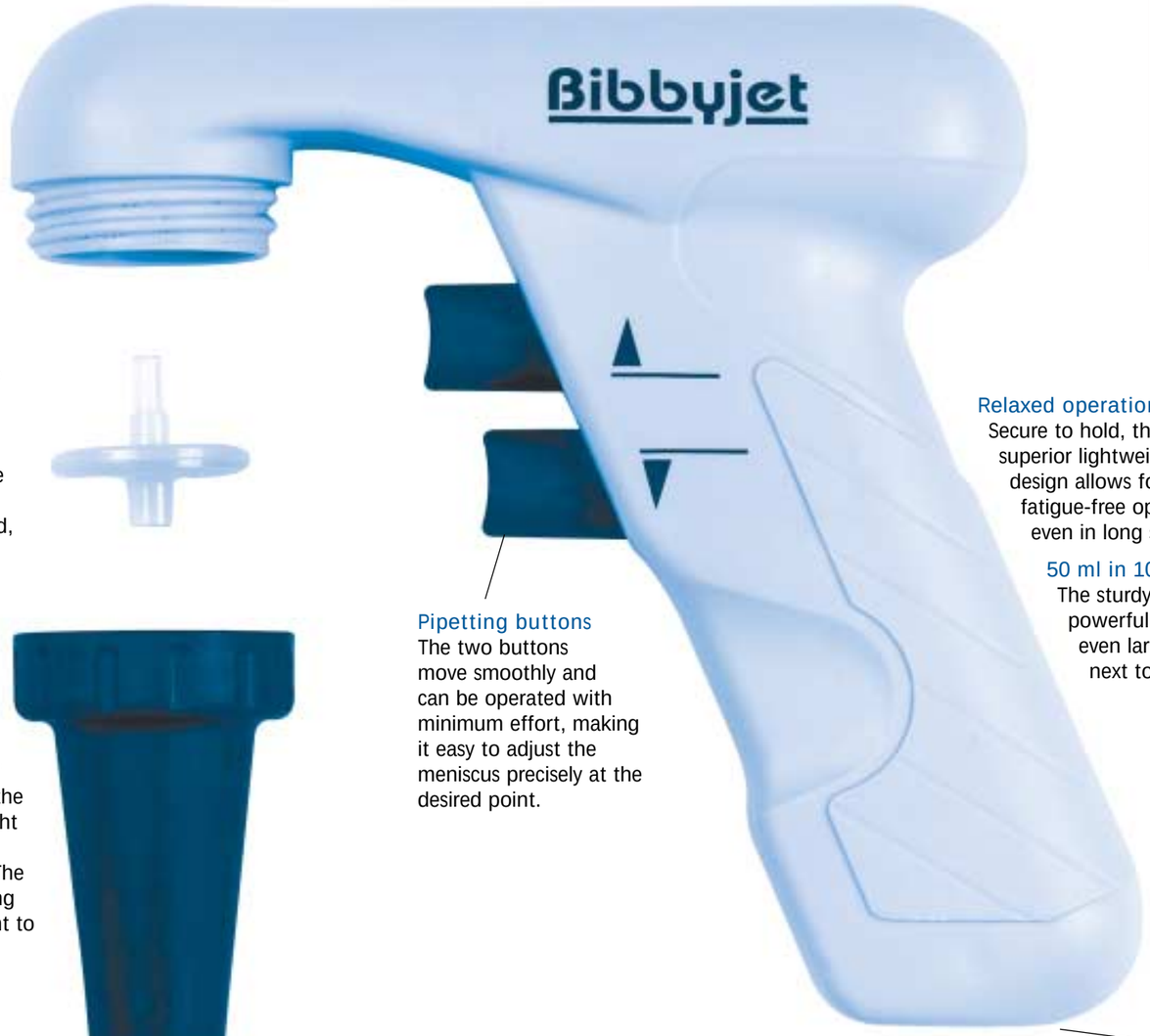
For pipetting in cell and tissue culture applications, a 0.2 µm membrane filter is built in as standard.
With this filter, Class B volume tolerances can be achieved. If Class A tolerances are required, a 3 µm membrane filter must be fitted.

Protection from liquid

The built-in non-return valve combined with the membrane filter effectively protect against penetration of liquids. The special design of the silicone adaptor provides a tight fit for all glass and plastic pipettes from 1ml to 100ml. The entire pipette adaptor including the membrane filter is resistant to steam sterilisation at 121ºC.

Corrosion protection

A novelty among battery-operated pipette controllers. Media vapours are expelled at the front of the unit, away from the operator, and not through the pump. The inside of the instrument is thus largely protected from corrosive influences.



Pipetting buttons

The two buttons move smoothly and can be operated with minimum effort, making it easy to adjust the meniscus precisely at the desired point.

Relaxed operation

Secure to hold, the superior lightweight design allows for fatigue-free operation even in long series.

50 ml in 10 seconds

The sturdy pump is powerful enough to fill even large pipettes in next to no time.

Charging socket

The socket for the battery recharger is located at the lower end of the grip. This allows you to continue pipetting without being obstructed by the charger cable.

Power for 1 full working day - without recharging

During the first six hours of recharging, approximately 70% of the battery capacity is replenished at a higher current. After six hours, the recharger automatically switches to a lower continuous charging current. Thus the battery can be safely recharged overnight without overcharging. Even during recharging, you can always continue to work with the Bibbyjet.

Storage

The Bibbyjet is always ready to hand in the space-saving wall support which is supplied as standard. The support is fastened by snap tapes, e.g. inside the sterile work-bench, and can be easily removed for cleaning.

Bibbyjet pipette controller

Technical Data

Materials

Housing: PP

Pipette connector:

- Membrane filter: PP/PTFE
- Non-return valve: PVDF
- Adaptor: Silicone
- Adaptor support: PP

The entire pipette connector including the membrane filter is resistant to steam sterilisation at 121ºC.

The housing is easy to clean and to disinfect .

Battery

Rechargeable NiCd battery.

Weight

205 g

This symbol confirms that the product complies with and has been tested according to EC regulations.

FM24272 & FM13227
BS EN ISO 9002 : 1994

Ordering Information

Description	Quantity	Cat. No.
Bibbyjet Pipette Controller including wall support, 2 spare membrane filters (0.2 µm)		
with recharger for UK/Ireland 230 V/50 Hz	1	PC1000
with recharger for USA 120 V/60 Hz	1	PC1001
with recharger for continental Europe 230 V/50 Hz	1	PC1002
with recharger for Australia 240 V/50 Hz	1	PC1003

Spare parts	Quantity	Cat. No.
Silicone adaptor with non-return valve	1	PC1011
Wall support	1	PC1016
Snap tapes 12 x 65mm	2	PC1010
Recharger:		
UK/Ireland	1	PC1050
USA	1	PC1051
Continental Europe	1	PC1052
Australia	1	PC1053
Spare membrane filter 0.2 µm (red colour code)		
in sterile blister pack	1	PC1012
in non-sterile PE bag	10	PC1013
Spare membrane filter 3 µm (without colour code)		
in sterile blister pack	1	PC1014
in non-sterile PE bag	10	PC1015

PRESSMATIC and BIBBYPET Technical Note: T13-002

Chemical compatibility of Pressmatic and BibbyPet dispensers

✓	**Compatible**
×	**Non-compatible**

Chemical	Pressmatic R	Pressmatic PP BibbyPet
Acetaldehyde	✓	×
Acetic acid, 50%	✓	×
Acetic acid, 100%	✓	×
Acetone	✓	✓
Acetonitrile	✓	×
Acetophenone	✓	✓
Acetylacetone	✓	✓
Acetylchloride	✓	×
Acrylic acid	✓	×
Acrylonitrile	✓	×
Adipic acid	✓	✓
Allyl alcohol	✓	✓
Aluminium chloride	✓	✓
Amino acids	✓	✓
Ammonium chloride	✓	✓
Ammonium fluoride	✓	✓
Ammonium hydroxide, 30%	✓	✓
Ammonium sulphate	✓	✓
n-Amyl acetate	✓	×
Amyl alcohol	✓	×
Amyl chloride	✓	×
Aniline	✓	×
Aqua Regia	✓	×
Barium chloride	✓	✓
Benzaldehyde	✓	×
Benzene	✓	×
Benzoyl chloride	✓	×
Benzyl alcohol	✓	×
Benzyl chloride	✓	×
Benzylamine	✓	×
Boric acid, 10%	✓	✓
Bromobenzene	✓	×
Bromonaphthalene	✓	×
Buffer solutions	✓	✓
Butanediol	✓	✓
1-Butanol	✓	✓
n-Butyl acetate	✓	×
Butyl methyl ether	✓	×
Butylamine	✓	×

Chemical	Pressmatic R	Pressmatic PP BibbyPet
Butyl alcohol	✓	✓
Butyric acid	✓	×
Calcium carbonate	✓	✓
Calcium chloride	✓	✓
Calcium hydroxide	✓	✓
Calcium hypochloride	✓	✓
Carbon disulphide	✓	×
Carbon tetrachloride	✓	×
Chlorobenzene	✓	×
Chloroacetaldehyde	✓	×
Chloroacetic acid	✓	×
Chloroacetone	✓	✓
Chlorobutane	✓	×
Chloroform	✓	×
Chromic acid, 10%	✓	×
Chromic acid, 50%	✓	×
Chromosulphuric acid	✓	×
Copper sulphate	✓	✓
Cresol	✓	×
Cumene	✓	×
Cyclohexane	✓	×
Cyclohexanone	✓	×
Detergents (e.g. Decon)	✓	✓
Dibenzyl ether	✓	×
1-Decanol	✓	×
Dibromoethane	✓	×
Dichlorobenzene	✓	×
Dichloromethane	✓	×
Dichloroacetic acid	✓	×
Dichloroethane	✓	×
Dichloroethylene	✓	×
Dichloromethane	✓	×
Diesel oil	✓	×
Diethanolamine	✓	×
1,2-Diethylbenzene	✓	×
Diethylene glycol	✓	✓
Dimethyl sulphoxide (DMSO)	✓	×
Dimethylaniline	✓	×
Dimethylformamide (DMF)	×	×

Chemical	Pressmatic R	Pressmatic PP BibbyPet
1,4-Dioxane	✓	✓
Diphenyl ether	✓	×
Ethanol	✓	✓
Ethanolamine	✓	×
Ethyl acetate	✓	×
Ethylbenzene	✓	×
Ethylene chloride	✓	×
Ethylene glycol	✓	✓
Fluoroacetic acid	✓	×
Formaldehyde, 40%	✓	✓
Formamide	✓	×
Formic acic, 98-100%	✓	✓
Glycerol	✓	✓
Glycolic acid, 50%	✓	✓
Hexane	✓	×
Hexanoic acid	✓	✓
Hexanol	✓	×
Hydriodic acid	✓	✓
Hydrobromic acid	✓	×
Hydrochloric acid, 10%	✓	✓
Hydrochloric acid, 20%	✓	×
Hydrochloric acid, 25-37%	✓	×
Hydrofluoric acid	×	×
Hydrogen peroxide, 35%	✓	✓
Iodine solution	✓	✓
Iso octane	✓	×
Isobutyl alcohol	✓	✓
Isopropyl alcohol	✓	✓
Isopropyl benzene	✓	×
Isopropyl ether	✓	×
Lactic acid	✓	×
Mercuric sulphate	✓	✓
Methanol	✓	✓
Methoxybenzene	✓	×
Methyl butyl ether	✓	×
Methyl ethyl ketone (MEK)	✓	✓
Methyl formate	✓	×
Methyl propyl ketone	✓	×
Methylene chloride	✓	×
Mineral oils	✓	×
Nitric acid, 10%	✓	✓
Nitric acid, >10%	✓	×
Nitrobenzene	✓	×
Octane	✓	×
Oleic acid	✓	×
Oxalic acid	✓	×

Chemical	Pressmatic R	Pressmatic PP BibbyPet
Pentane	✓	×
Perchloric acid	✓	×
Perchloroethylene	✓	×
Petroleum ether	✓	×
Phenol	✓	×
Phenylethanol	✓	×
Phenylhydrazine	✓	×
Phosphoric acid, 85%	✓	×
Phosphoric acid, hot	×	×
Piperidine	✓	×
Potassium chloride	✓	✓
Potassium dichromate	✓	✓
Potassium hydroxide	✓	✓
Potassium permanganate	✓	✓
Propionic acid	✓	✓
Propylene glycol	✓	✓
Pyridine	✓	×
Pyruvic acid	✓	✓
Saturated hydrocarbons	✓	×
Silver acetate	✓	✓
Silver nitrate	✓	✓
Sodium acetate	✓	✓
Sodium chloride	✓	✓
Sodium dichromate	✓	✓
Sodium fluoride	✓	✓
Sodium hydroxide, 30%	✓	✓
Sulphuric acid, 10%	✓	✓
Sulphuric acid, 98%	✓	×
Tartaric acid	✓	×
Tetrachloroethylene	✓	×
Tetrahydrofuran	✓	×
Toluene	✓	×
Trichloroacetic acid	✓	×
Trichlorobenzene	✓	×
Trichloroethane	✓	×
Trichloroethylene	✓	×
Trichlorotrifluoro-ethane	✓	×
Triethylene glycol	✓	×
Trifluoroethane	✓	×
Trifluoroacetic acid	✓	×
Turpentine	✓	×
Urea	✓	✓
Xylene	✓	×
Zinc chloride	✓	✓
Zinc sulphate	✓	✓

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