



# LABWATER OPERATING MANUAL


Issue B 08/10/09



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## 1 DOCUMENT HISTORY

Issue	Date of Change	Description of Change	Approved by
1	08.08.08	First issue	
B	08.10.08	Formatting change	



## 2 CONTACT US

We trust your Labwater product meets all your expectations but in the event of any problems please do not hesitate to contact us as follows.

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Thame  
Oxfordshire  
OX9 3SJ  
United Kingdom

For all spares and consumable enquiries contact:

Customer Sales & Services Department:                      Tel No. +44(0)1844 217141

For all service enquiries contact:

Service Department:    Tel No. +44(0)1844 211555





### 3 ABOUT YOUR LABWATER



The Labwater products are designed for the low volume infrequent user of pure water. The product is affordable and easy to use, featuring the unique Purite disposable cartridge.

They provide deionised water at a rate of between 30 and 60 litres per hour.

The Labwater products produce water quality of better than 1MΩ.cm, produced to BS EN ISO3696 Grade 2.

#### 3.1 Labwater Models

Two versions are available, each with optional guns

**Labwater 1** : for supply high quality purified water at a rate of 30 litres per hour.

**Labwater 2** : for supply high quality purified water at a rate of 60 litres per hour.

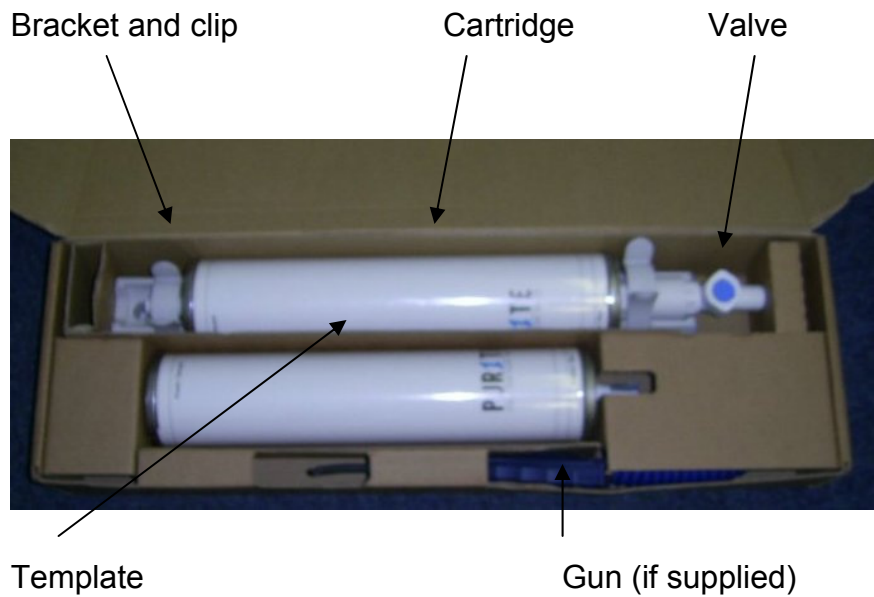
The dispensing nozzle is fitted with a 6 mm angle spout and comes with a 2m length of delivery tube, allowing for controlled flow and thus reduced spillage potential.

The optional dispensing gun is supplied with a 3m coiled delivery tube. Each unit is supplied with a spare cartridge.

### 3.1.1 Labwater Kits

Your Labwater product has been assembled and packaged at our manufacturing facility and will contain the following items:

ITEM	PART NUMBER	
	L991008 Labwater 1	L991020 Labwater 2
Cartridge ( inclusive of control valve 6mm fitting)	2	2
½" hose tail	1	1
Wall bracket set ( two bases & two clips)	1	1
Bracket template ( part of packaging)	1	1
Point of use Spout	1	1
6mm hose elbow	1	1
2m length hose 6mm	1	1
3m Coil hose 6mm	n/a	n/a
Point of use dispense gun	n/a	n/a



## 4 INSTALLATION

### 4.1 Installation of bracket

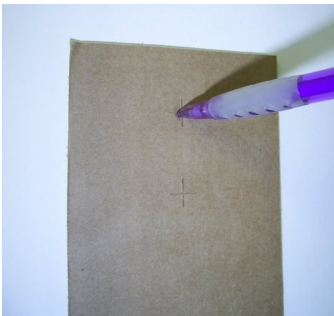
- Remove the bracket template from the packaging and mark the mounting position for each bracket. Mark through the holes in the template using a pencil.

**Notes:**

*Ensure the template is vertical.*

*Ensure there is adequate clearance under the bottom bracket for connection of the water supply hose.*

*Ensure the wall is sufficiently stable to provide strong fixing points.*



- Using appropriate mounting screws, washers and wall plugs screw each bracket to the wall (not supplied).
- Ensure the brackets are fitted with the clips closest to one another i.e. the top bracket should have the clips towards the bottom and the bottom bracket should have the clips uppermost.
- Tighten screws until the bracket is firmly fixed to the wall. Do not over tighten the screws as this will damage the bracket.



## 4.2 Attachment of Labwater unit



- Fit the ½” hose tail fitting to the bottom of the cartridge. Do not over tighten.
- Fit using PTFE tape on the male thread, 5 turns of tape should be sufficient.



- Insert the cartridge into the brackets, flow valve to the bottom and blue window outermost and retain with bracket clips provided.
- Secure water feed hose with suitable jubilee clip or similar (not provided) to the ½” hose tail
- Fit spout or hose into the 6mm push in fitting located on the top fitting of the cartridge.



- The fitting is protected with a cap; this should be removed using a flat bladed screwdriver.
- Insert in to the recess on the side of the cap and twist.
- Ensure spout/hose is fully inserted into the fitting by pulling gently on it after insertion. If supplied, use this procedure to attach the point of use dispense gun.

Once happy the spout or tube is correctly attached, refit the protective cap to the fitting, simply push in place

(Connected attachments may be removed from the fitting by pushing the collar of the fitting and pulling gently on the inserted attachment.)

## 5 OPERATION

Note: Ensure any attachments connected to the cartridge are held or restrained.

Slowly open the control valve (fully open is achieved with a 90 degree turn) on the bottom of the cartridge.

Opening the valve allows water to flow into the cartridge. On initial installation it may take a few seconds for the cartridge to fill before water is dispensed from the attachment (spout, hose or gun).

If the optional gun is attached the trigger will need to be depressed to dispense water.

To turn off the water delivery simply rotate the control valve back through 90 degrees or release the trigger of the dispensing gun.



All cartridge variants have inspection windows to indicate when it has been exhausted

When new, the windows will be blue, but as the cartridge becomes exhausted, these will progressively change to brown.

When both windows are brown exchange the spent cartridge.

Note, this means it will no longer produce deionised water.



## 6 PERFORMANCE DATA

Labwater Product Specification				
	Labwater 1	Labwater 1 (with optional coil and gun)	Labwater 2	Labwater 2 (with optional coil and gun)
Re order code	L991008	L991009	L991020	L991021
Max inlet pressure (bar)	5	5	5	5
Max flow rate (litres)*	30	30	60	60
Typical output (litres)*	160	160	320	320
Inlet connector (inches)	0.5	0.5	0.5	0.5
Working weight (Kg)	1.5	1.5	1.7	1.7
Shipping weight (Kg)	3.3	3.5	5.3	5.5
Height x width x depth (mm)	580x80x100	580x80x100	760x80x100	760x80x100
Cartridges supplied	D340	D340	D700	D700
All Labwater products are supplied with wall mounting fixtures.				
*based on 200ppm total dissolved solids feed water.				





## 7 SPARES AND CONSUMABLES

Replacement cartridge for Labwater 1

part number L991012

Replacement cartridge for Labwater 2

part number L991013

2m of 6mm tube, part number R121016

6mm tube elbow, part number R116036



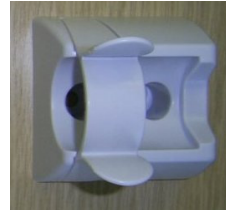
6mm angled spout, part number R011184



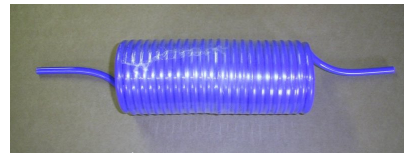
1/2" hose tail, part number R102505



Wall mount bracket, part number R066136



3m delivery tube, part number R121020



Optional dispensing gun, part number P011037

