

# mainsboost

## Mainsboost Plus Installation, Operation & Maintenance Instructions

Please leave this instruction booklet with the home owner as it contains important guarantee, maintenance and safety information



**Read this manual carefully before commencing installation.**

This manual covers all Mainsboost Plus vessels for vertical and horizontal units.

### Mainsboost Plus



3 year guarantee on pump and fittings

## PRODUCT DESCRIPTION

Mainsboost Plus consists of three key assemblies, the Mainsboost vessel, charger MJ3 pump and upstream line-in kit.

## APPLICATION

Mainsboost Plus is designed to offer stored clean, potable cold water under pressure for all domestic or small commercial applications where mains water is insufficient to offer consistent and reliable water services.

**Installation parameters must not exceed the values given in the technical specifications.**



- **Mainsboost Plus system must not be used for any other application without the written consent of Stuart Turner Limited.**
- **This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.**
- **Children should be supervised to ensure that they do not play with the appliance.**

**Please read installation details carefully as they are intended to ensure this product provides long, trouble free service. Failure to install the unit in accordance with the installation instructions will lead to invalidation of the warranty. These instructions must be left with the product.**

## STORAGE

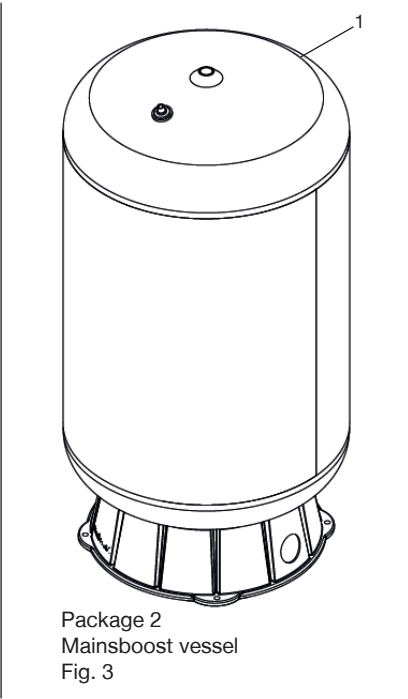
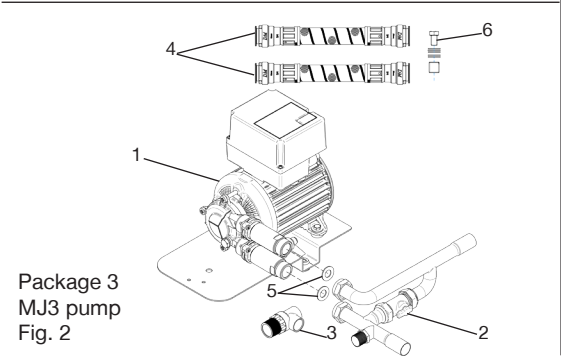
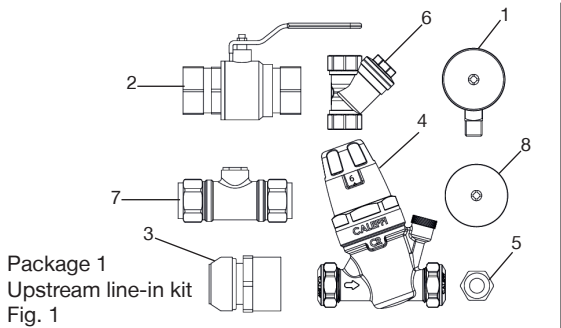
If this product is not to be installed immediately on receipt, ensure that it is stored in a dry, frost and vibration free location in its original packaging.

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CHECKLIST

**IMPORTANT:** Your Mainsboost Plus water performance system will be delivered in a minimum of three boxes on one pallet. Please check the contents within 24 hours of receipt and if any component is damaged, please contact Stuart Turner Ltd immediately.

Mainsboost Plus (Vertical)



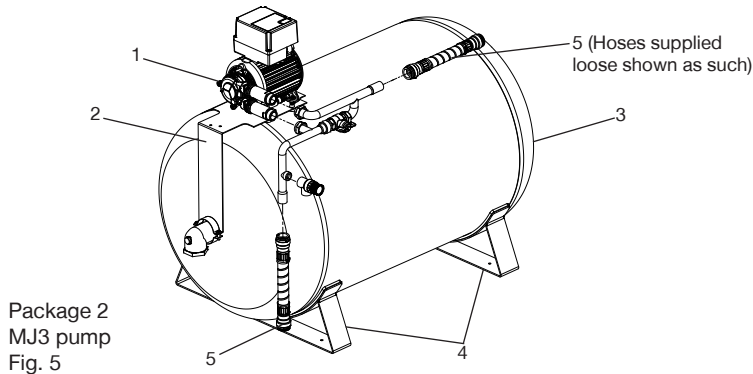
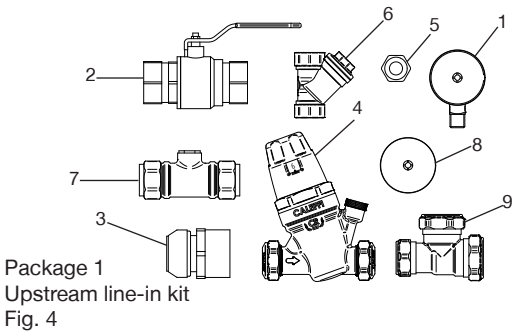
Item		Description	Qty	Item		Description	Qty
Package 1	1	¼ “ BSP pressure gauge	2	Package 2	1	Mainsboost vessel	1
	2	Lever isolating ball valve	1	Package 3	1	Pump	1
	3	Pressure vessel connector fitting	1		2	Manifold Assy	1
	4	6 bar pressure regulating valve	1		3	Pressure relief valve	1
	5	¼ x ½ “ BSP Brass bush	1		4	Hose	2
	6	Y pattern inline strainer	1		5	Sealing washer	2
	7	Double check valve	1		6	Pump mounting bolt assy	1 set
	8	1¼ “ BSP Pressure gauge	1				

Your product may vary slightly from the picture above.

Cont ...

CHECKLIST

**Mainsboost Plus (Horizontal)** (available in MBP 200SH and MBP 250SH vessels only)  
Mainsboost Plus horizontal is supplied with the pump assembly pre-assembled onto the cylinder.



Item	Description	Qty	Item	Description	Qty
Package 1	1 ¼ " BSP pressure gauge	2	Package 2	1 Pump assembly	1
	2 Lever isolating ball valve	1		2 Pump bracket	1
	3 Pressure vessel connector fitting	1		3 Mainsboost vessel	1
	4 6 bar pressure regulating valve	1		4 Mounting cradles	1
	5 ¼ x ½ " BSP Brass bush	1		5 Hose	2
	6 Y pattern inline strainer	1			
	7 Double check valve	1			
	8 1¼ " BSP Pressure gauge	1			
	9 28 mm x 28 mm x 22 mm Tee	1			

Your product may vary slightly from the picture above.

Cont ...

## 1 INTRODUCTION

- 1.1 Congratulations on buying a Mainsboost Plus system, designed to offer consistent and reliable water services throughout the property and the only system available that is patent protected No. GB2349908.

1.2 **Patents, Trademarks & Trade Names:**

**'Mainsboost' 'Mainsboost Plus™' and 'Mainsboost Charger' are registered Trademarks of Stuart Turner Ltd.**

The use of this system is patent protected and the Mainsboost Plus vessel cannot be mixed with other accumulator systems without prior approval from Stuart Turner Ltd.

The Mainsboost Plus vessels have special characteristics and the use of other vessels in this application could prove to be detrimental to the design and performance of the system and the patent.

Stuart Turner Ltd will treat any infringement of the patent very seriously and therefore recommend that any questions regarding application be brought to the company for consideration.

1.3 **How the Mainsboost Plus System works:**

The Mainsboost Plus pressure vessel stores water from the rising main in a sealed water chamber, separated from the air space by a rubber diaphragm and pressurised to an optimum setting. When water is drawn off by downstream services, the water from the mains is supplemented by the water from the Mainsboost Plus unit to provide a balanced supply at consistent pressure to downstream services.

The Mainsboost Plus pipework manifold incorporates a unique 'green energy' bypass. If the incoming mains water supply delivers more than 12 l/min this bypass should be left open to allow any additional flow rate to pass directly into the Mainsboost pressure vessel via the integral non-return valve. If the incoming flow rate is less than 12 l/min the bypass valve should be left closed in order to ensure optimum efficiency of the Charger MJ3 pump.

## 2 IMPORTANT FACTS READ BEFORE COMMENCING INSTALLATION

### A. Commissioning

- 2.11 Ensure the pump is primed as described in the priming section before starting, damage to the shaft seal will result otherwise. See Section 8.16 - Commissioning.

### B. Water temperature

This unit is designed for cold water applications only which should not exceed the following values:

- 2.12 The maximum allowable water temperature is 35 °C.  
2.13 The minimum allowable water temperature is 4 °C.

### C. Pipework - General

- 2.14 **Secure pipework:** Ensure pipework to and from the Mainsboost Plus is independently supported & clipped to prevent forces being transferred to inlet and outlet branches of pump. Flexible hoses supplied must be used.  
2.15 **Flux:** Solder joints must be completed and flux residues removed prior to pump installation (**flux damage will void any warranty**).  
2.16 **Pipework design:** Care should be taken in the design of pipework runs to minimize the risk of air locks e.g. use drawn bends rather than 90° bends.

### D. Plumbing Installation Regulations

- 2.17 The plumbing installation must comply with the current water and building regulations.  
2.18 The plumbing installation must be installed by a qualified person.  
2.19 The electrical installation must be carried out in accordance with the current national electrical regulations.  
2.20 The electrical installation must be installed by a qualified person.

### E. Mainsboost vessel

- 2.21 Ensure the Mainsboost vessel is installed correctly before operating the unit, to avoid damage to the pumps/controls.



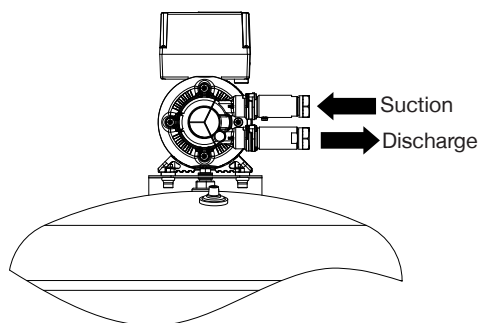
**Do not attempt to dismantle the Mainsboost vessel**

The Mainsboost vessel is pressurised to a pre-set level at the factory see Section 8.12 - Commissioning for details.

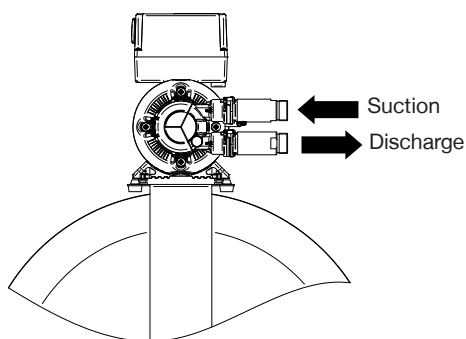
### 3 LOCATION - GENERAL



- 3.11 **Access:** For emergencies and maintenance the Mainsboost Plus must be easily accessible.
- 3.12 **Protection:** The system must be located in a dry position, and protected from freezing. Avoid environments which have a high ambient temperature, high humidity or excessive condensation and salt damage, etc.
- 3.13 **Ventilation:** Ensure an adequate air flow to cool the pump. Separate the pump from other appliances that generate heat.
- 3.14 **Safety:** The motor casing can become very hot under normal operating conditions. Care must be taken to ensure it cannot be touched during operation.
- 3.15 **Water retention:** Site the pump in a location where in the unlikely event of a water leak, any spillage is contained or routed to avoid electrics or areas sensitive to water damage.
- 3.16 **Static inlet pressure:** Ensure the static inlet head at the pump does not exceed the values shown in the table under point 8.14.
- 3.17 **Incoming mains water pressure:** The incoming water pressure of at least 0.1 bar is required.
- 3.18 Ensure that location of the unit allows adequate space to give reasonable access to all parts to accommodate service/commissioning.
- 3.19 **Ambient temperature:** The pump must be sited in a location where the maximum ambient temperature does not exceed 40 °C.
- 3.20 **Pipework:** Pipework should be sized to ensure optimum performance of the system.
- 3.21 **Direction of flow:** See Fig. 6 (vertical), Fig. 7 (horizontal) to identify the suction and discharge connections.



Vertical  
Fig. 6



Horizontal  
Fig. 7

Cont ...



## 4 TERMINOLOGY

### 4.11 System Designation:

It is important to understand what upstream and downstream refers to before starting the installation.

### 4.12 Upstream

The term 'Upstream' refers to the system configuration from the consumer's stopcock to the point where the supply reaches the inlet port of the Mainsboost Plus Pump.

### 4.13 Downstream

The term 'Downstream' refers to the system configuration from the outlet tapping on the Mainsboost Plus Pump, along the distribution header (if configured in this way) and into the distribution pipework and outlets. This includes hot and cold services where both are present (see Fig. 8).

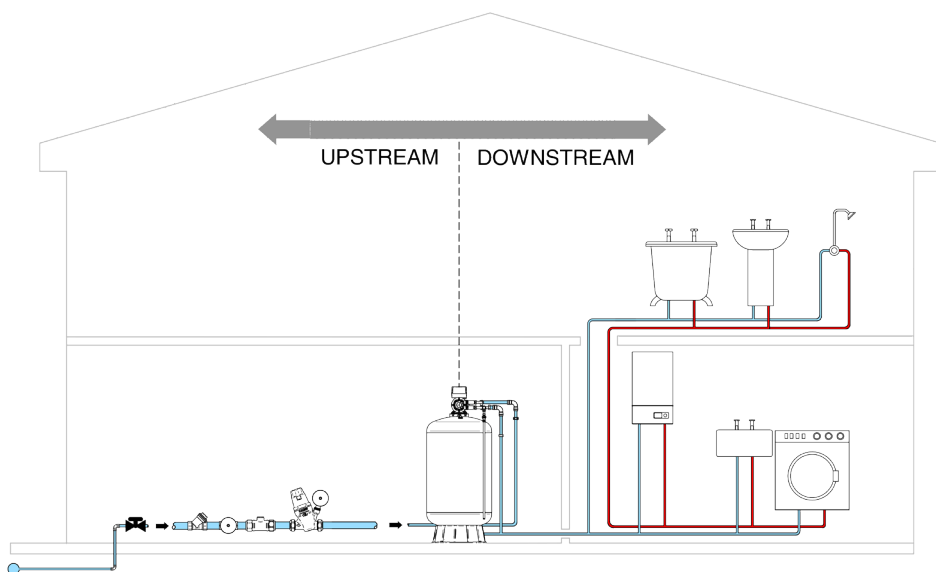


Fig. 8 System designation

## 5 CONFIGURATION

5.11 Mainsboost Plus is a very flexible solution, offering a patent protected packaged system to suit any type or size of building no matter how large or small the demand is. The following illustrations depict just some of the most typical installations.

### 5.12 **Single occupancy application:**

Use of Mainsboost Plus in a house offers water on demand whilst giving maximum flexibility. As can be seen the upstream line-in kit has to be fitted on to the rising main but the vessel/pump can be fitted wherever there is a space, for example; utility, kitchen, upstairs cupboard or loft, providing adequate provisions are taken for the weight, frost protection etc (see Fig 9).

Where height restrictions exist the MPB 200SH and MBP 250SH litre Mainsboost Plus can be supplied for horizontal installation.

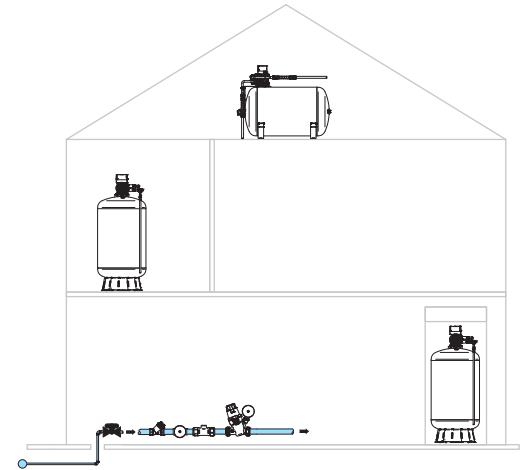


Fig. 9

### 5.13 **Multiple occupancy application:**

Often affected by poor water supplies Mainsboost Plus offers the perfect solution. For multiple occupancy buildings again the upstream line-in kit is located next to the rising main and sized to meet the demand of the entire building. Each apartment then has its own vessel and pump located within the property, sized to meet the apartments own demand (see Fig. 10).

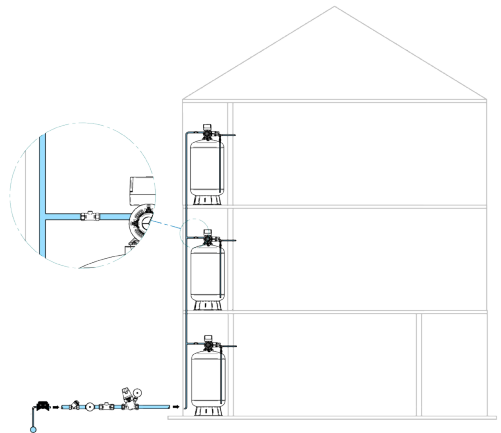


Fig. 10

Cont ...

#### 5.14 High demand single occupancy application:

Where single properties have a much higher demand, it may be necessary to use additional Mainsboost vessels connected in parallel to ensure sufficient water is on tap to meet the much higher demand. Fig. 11 shows all vessels being located in the same place.

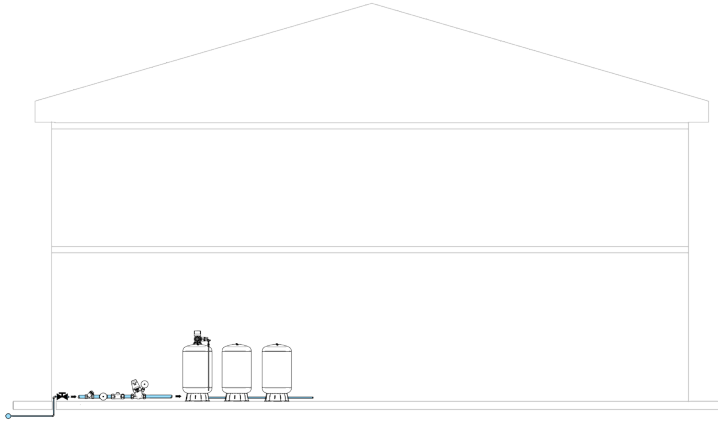


Fig. 11

#### 5.15 Water softener:

Note: If a water softener is to be fitted it **must** be located between the upstream line-in kit and pump/vessel. If high pressure is also required to the drinking tap fit a Stuart Water Conditioner, available from Stuart Turner, rather than a water softener.

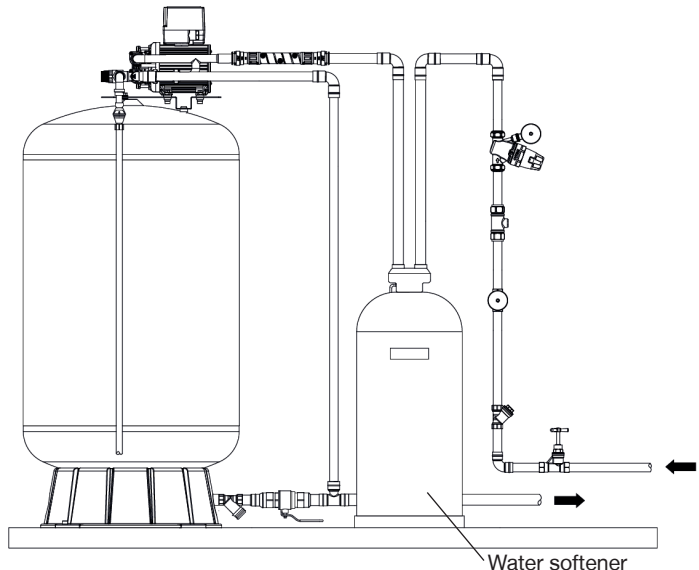


Fig. 12

Cont ...

## 6 INSTALLATION

### Step 1:

- a) Remove the Mainsboost vessel from its packaging and check to ensure it is not damaged.
- b) Carefully turn the vessel on its side using the discarded packaging to protect it.



**WARNING: depending on cylinder size this may require two people to complete safely.**

- c) Once on its side screw the Mainsboost vessel connector provided in the upstream line-in kit into the tank elbow at the base using suitable thread seal such as PTFE tape or liquid thread lock (see Fig. 10).
- d) Cut a copper tail to the following minimum length, ensuring clearance of the base.  
Pipe length:  
MBP 100VS = 210 mm      MBP 200VS = 270 mm      MBP 300VS = 270 mm  
MBP 130VS = 210 mm      MBP 250VS = 270 mm      MBP 450VS = 340 mm  
Then re-erect the cylinder.
- e) Fit the isolating valve provided to the tail now protruding from the base of the vessel.
- f) Remove the pump and mounting plate from its packaging and position it on the Mainsboost vessel, fixing in place using the correct size screw and washers provided (see Figs. 14 & 15).

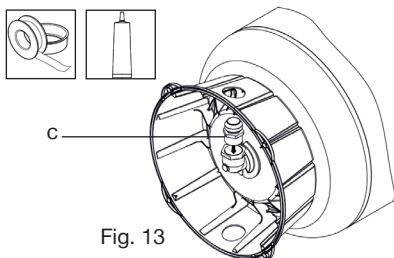
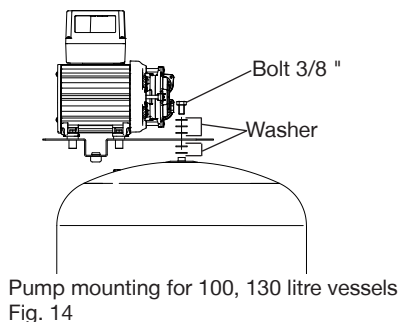
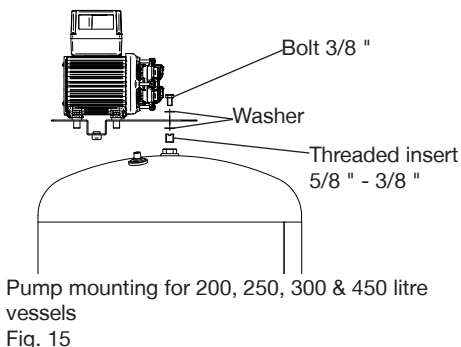


Fig. 13



Pump mounting for 100, 130 litre vessels  
Fig. 14



Pump mounting for 200, 250, 300 & 450 litre vessels  
Fig. 15

- g) Ensure the floor is sufficiently strong enough to take the total weight of the unit when full of water (see Technical Specification section). Take care when manoeuvring the unit so as not to damage it.



Note: **Do not** forget if a water softener is to be installed this has to be included in this pipe run, and additional space must be allocated for this.

**Do not** fit smaller pipework than the upstream line-in kit accepts as this will impair performance.

- i) Fix the Mainsboost vessel securely to the floor using appropriately selected and sized fixings.

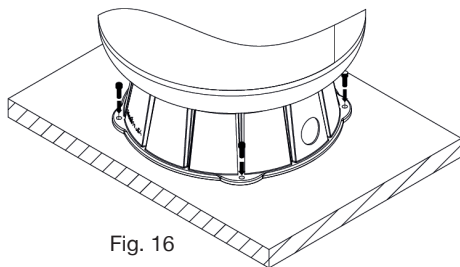
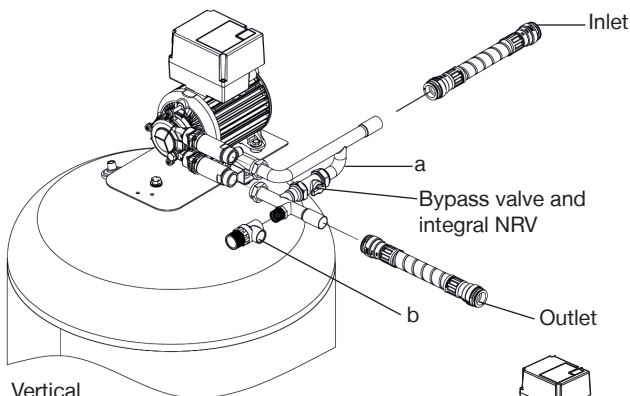


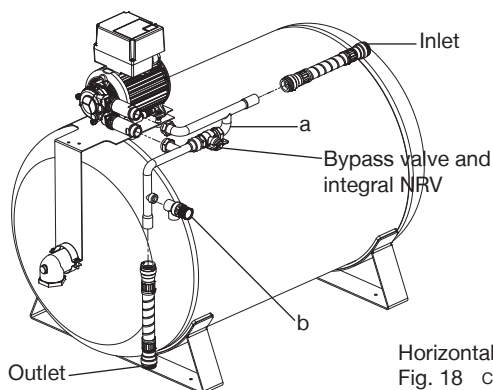
Fig. 16

### Pump manifold assembly:

- a) Remove the pump manifold assembly from the packaging and connect it to the pump assembly using the two fibre washers provided.
- b) Fit the pressure relief valve to the manifold.



Vertical  
Fig. 17



Horizontal  
Fig. 18 Cont ...

## Step 2:

The vessel assembly should then be positioned and checked to ensure there is sufficient space to install the upstream line-in kit between the stopcock and pressure vessel inlet. Refer to the chart below as a guide.

Pipe Size	Minimum pipe length required to install the upstream line-in kit (mm) (A)
22 mm	480 mm
28 mm	580 mm
35 mm	630 mm
40 mm	735 mm
54 mm	820 mm

### Upstream line-in kit

The upstream line-in kit includes:

- 1 - inline strainer
- 2 - pressure gauge (upstream)
- 3 - double check valve
- 4 - pressure reducing valve
- 5 - pressure gauge (fitted to pressure reducing valve)
- 6 - Mainsboost vessel connector (see step 1)

The above components must be installed in the correct order to ensure safe and satisfactory system operation.

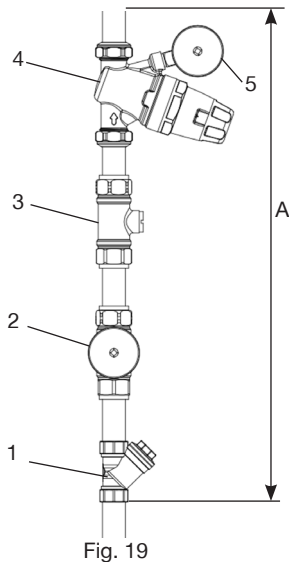


Fig. 19

### Step 3:

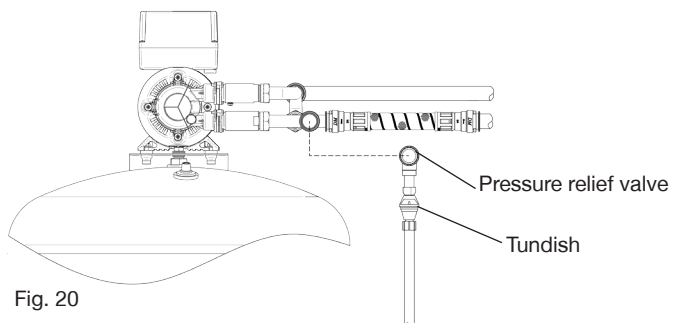


Fig. 20

Connect the pressure relief to tundish (not supplied).

### Vertical vessel

- completed installation

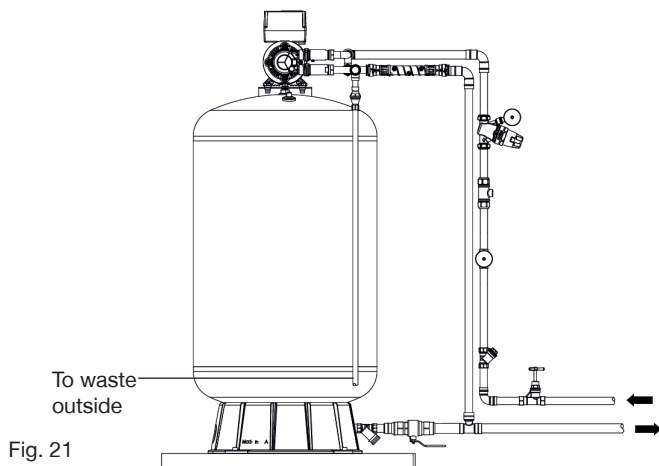


Fig. 21

Cont ...

## Horizontal vessel

- completed installation

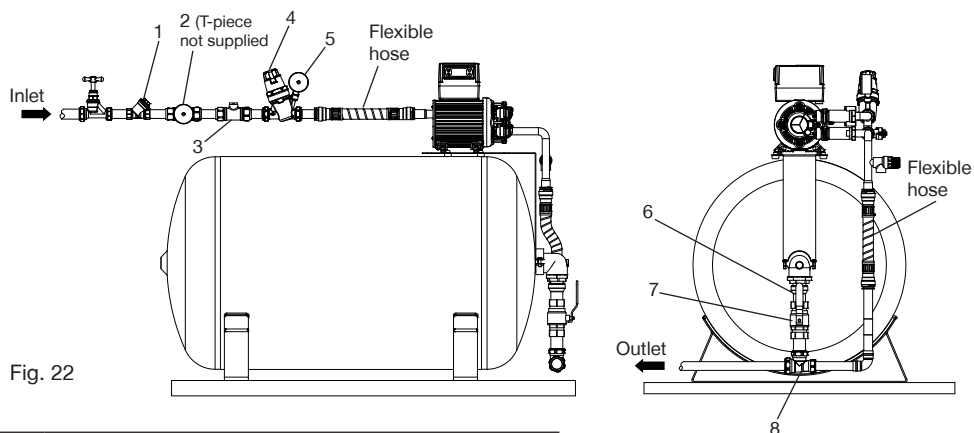
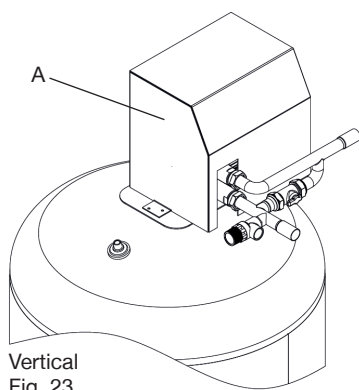
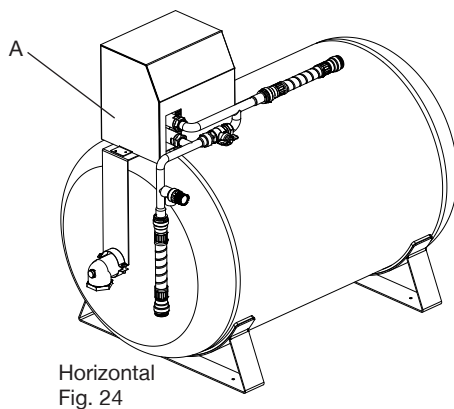


Fig. 22

1	Inline strainer
2	Pressure gauge (upstream)
3	Double check valve
4	Pressure reducing valve
5	Pressure gauge (fitted to pressure reducing valve)
6	Mainsboost vessel connector
7	Lever isolating valve
8	28 mm x 28 mm x 22 mm tee



Vertical  
Fig. 23



Horizontal  
Fig. 24

An attenuation cover (A) is available as an option should the unit need to be installed in a particularly noise sensitive area.

Cont ...



## 7 ELECTRICAL



- 7.11 **Regulations:** The electrical installation must be carried out in accordance with the current local regulations by a qualified person.
- 7.12 **Safety:** In the interests of electrical safety a 30 mA residual current device (**R.C.D. not supplied**) should be installed in the supply circuit. This may be part of a consumer unit or a separate unit.
- 7.13 Before starting work on the electrical supply ensure power supply is isolated.
- 7.14 **DO NOT** allow the supply cord to contact hot surfaces, including the motor shell, pump body or pipework. The cord should be safely routed and secured by cable clips.
- 7.15 **Earthing:** This appliance must be earthed via the supply cord, which must be correctly connected to the earth point located in the terminal box.
- 7.16 **Connections:** The pump must be permanently connected to the fixed wiring of the mains supply using the factory fitted supply cord, via a dedicated double pole switched fused spur off the ring main.
- 7.17 **Wiring of connection unit:**




**WARNING: This appliance must be earthed.**

The wires in the mains lead are coloured in accordance with the following code:

Green and Yellow: Earth      Blue: Neutral      Brown: Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your connection unit proceed as follows:

Green and yellow coloured wire must be connected to the terminal in the connection unit marked with the letter E or by the earth symbol:  or coloured green or green and yellow.

Blue coloured wire must be connected to the terminal marked with the letter N or coloured black.

Brown coloured wire must be connected to the terminal marked with the letter L or coloured red.

## 7.18 Wiring diagram:

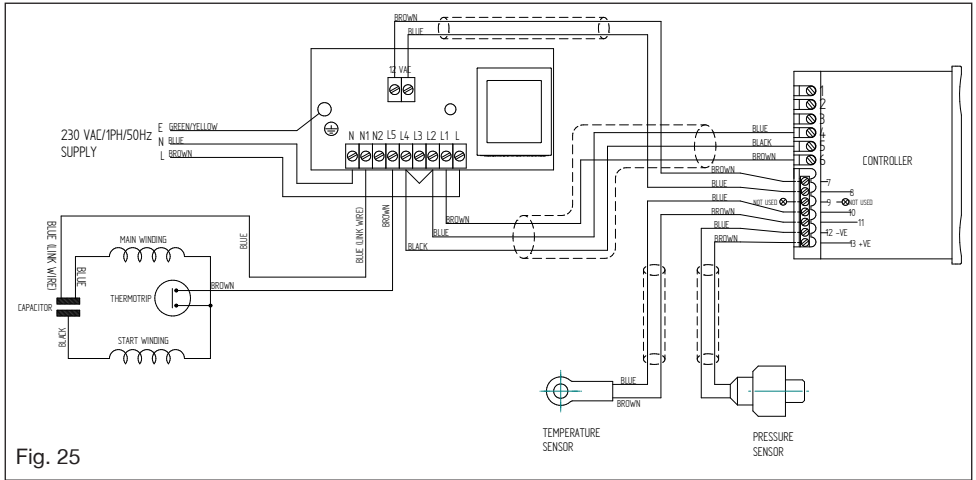


Fig. 25

7.19 **Fuse:** All models should be protected by a 3 Amp fuse.

7.20 **Supply cord replacement:**



**The internal wiring within the terminal box is routed and secured to ensure compliance with the electrical standard EN 60335-1. It is essential that prior to any disturbance of this internal wiring, all cable routing and securing details are carefully noted to ensure re-assembly to the same factory pattern is always maintained.**

7.21 If the supply cord is to be changed or damaged, it must be replaced by a special cord available from Stuart Turner or one of its approved repairers.

Cont ...

8 COMMISSIONING

8.11 **System check:** Ensure that the electrical supply to the pump is switched off before opening the mains water supply stopcock and checking for leaks.

8.12 **Check vessel pre-charge pressure:**  
It is important to have the correct pre-charge pressure in the vessel for your site conditions to optimise performance. The vessel is supplied with a pre-charge pressure of approximately 1.4 bar, and should **never** have a preset pressure of less than 0.5 bar.

Checking and adjustment to the vessel pre-charge air pressure can only be carried out when the vessel is empty (contains no water).

- 8.13 **Check mains static pressure:**
- Now close outlets and check pressure gauge after ‘Y’ strainer - for static mains pressure and note it. This should be done at peak times of use.
  - Turn stopcock off and leave outlet taps open.

8.14 Check the chart below for the correct vessel pressure against the static mains pressure recorded.

MJ3 pump max. set pressure	Static mains pressure	Set vessel pre-charge pressure to	Differential	Set PRV maximum setting to
	bar	bar	bar	bar
3 bar	1.5	1.0	2.0	2.0
3 bar	2.0	1.0	2.0	2.0
3.5 bar	2.5	1.5	2.0	2.5
3.5 bar	3.0	1.5	2.0	2.5

Using a pressure gauge check the vessel and adjust to suit through the schrader valve.

**Warning: Note PRV setting must not exceed 5.0 bar.**

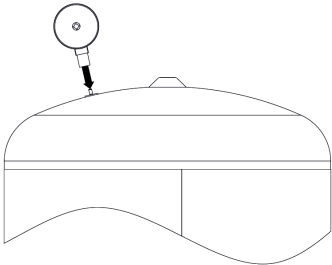


Fig. 26

### 8.15 Control module:

The control module has been factory pre-set to the following conditions.

Settings as per factory preset:	
Set point	SP: 3 bar
Diff pressure	DIFF: 0.5 bar
Low pressure	LPR: 0.2 bar
High pressure	HPR: 4.5 bar
Pump run timer	PRT: 180
Pump number	NPM: 2 (do not tamper)
CRE setting	0

Should the parameter need changing follow these steps.

- The pump parameters are displayed in the following sequence:  
Set point (SP),  
Differential (DIFF),  
Low pressure trip (LPR),  
High pressure trip (HPR),  
Pump run timer (PRT),  
Pump Number (NPM),  
Relay setting (CRE),  
Number of alarms (NAL1/NAL2),  
Hours run (HR1/HE2).
- Press and hold the set button for 5-7 seconds. (This gains access to the pump parameters).
- Press the up/down arrows to change the selected parameter(s) to the desired value.
- After changing the required parameter(s) press the set button twice in quick succession to lock the new value into the controller memory.
- It is possible to scroll through all the pump parameter values by simply pressing the set button once after each parameter value has been displayed.

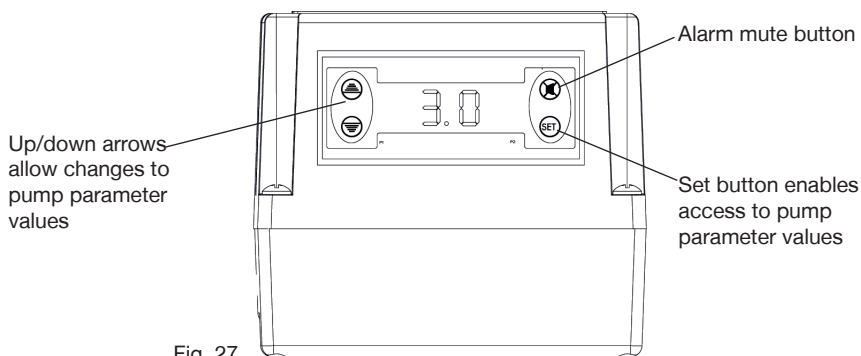


Fig. 27

8.16 On completion of the installation, follow the commissioning process below.

- **Leave** pump power switched off.
- **Leave** all outlet valves closed.
- Turn on stopcock and open inlet ballvalve, both pressure gauges on inlet and PRV will start to show movement as the mains pressure fills the system.
- Check for leaks on all joints made.
- Dependant on the incoming mains pressure the vessel will start to fill with water.
- Switch on the power to the pump, it will sense the pressure in the system and if less than 3 bar will start to assist filling of the system.
- Close Mainsboost vessel isolation valve
- Allow the pump to continue running until air has been completely purged from the system, all outlets will have to be opened and closed.
- All outlets have been closed, open the Mainsboost vessel isolation valve.
- The pump will continue to run to charge the system, this may take some time dependant on size and number of Mainsboost vessels fitted.

Once the system is completely full the pump will stop and only start again if the Mainsboost vessel pressure drops below set point minus the differential of the pump control.

#### Green Energy

##### - Bypass

If the flowrate is greater than 12 l/min leave the isolation valve open.

If the flowrate is less than 12 l/min close the isolation valve.

## 9 TECHNICAL SPECIFICATION

		Mainsboost Plus								
General	Guarantee	5 years (3 year guarantee on pump and fittings)								
	WRAS approval	1611336								
	System patent no.	2349908								
	Noise	From 50 dB(A)								
	Maximum ambient air temperature	40 °C								
	Min / Max operating temperature	Min 4 °C / Max 35 °C								
	Protection class	IPX4								
Performance	Maximum head (closed valve)	4.3 bar								
	Maximum working pressure*	600 kPa (6 bar)								
Pump	Type	Peripheral								
	Mechanical seal materials	EPDM / PTFE / Al. Oxide								
	Head material	Brass								
	Impeller material	Brass								
	Motor	Induction, auto-reset thermal trip								
	Duty rating	Continuous (S1)								
	Connections	G ¾ male								
	Flexible hoses (x2)	22 mm push-in x 22 mm push-in x 240 mm long								
Control system	Dry run protection	✓								
Pressure vessel	Construction material	Mild steel								
	Membrane material	Butyl rubber								
	Max rated temperature	90 °C								
Electrical	Power supply / phase / frequency	230 V a.c. / 1 / 50 Hz								
	Current (full load)	1.8 Amps								
	Power consumption	398 Watts								
	Fuse rating	3 Amps								
	Power cable (pre-wired)	1.5 metres								
Physical		Model	Vessel capacity (litres)**	Dimensions (mm)			Weight empty (Kg)	Weight filled (Kg)	Maximum weight (Kg)	ULK Kit (mm)
	Vertical	MBP 100SV	55	1020	440	485	25.5	80.5	125.5	22
		MBP 130SV	71	1325	440	485	29.5	100.5	159.5	22
		MBP 200SV	110	1270	535	548	41.5	151.5	241.5	22
		MBP 250SV	132	1445	535	548	46.5	178.5	296.5	22
		MBP 300SV	174	1730	535	548	55	229	355	22
		MBP 450SV	248	1775	660	660	80	328	530	22
	Horizontal	MBP 200SH	110	888	540	1026	46.5	156.5	246.5	22
		MBP 250SH	132	888	540	1206	51.5	183.5	301.5	22

\*Note: The maximum pressure that can be applied to the system under any installation conditions.

\*\* Note: At typical working pressure

Stuart Turner reserve the right to amend the specification in line with its policy of continuous development of its products.

- 9.11 **Noise:** The equivalent continuous A-weighted sound pressure level at a distance of 1 metre from the pump does not exceed 70 dB(A).
- 9.12 For applications where noise levels are a primary consideration, a sound attenuation cover is available as an optional extra which reduces sound levels by up to 15 dB(A) or the Mainsboost Charger™ MJ1 should be considered.


## 10 TROUBLE SHOOTING GUIDE

### 10.11 Alarm

The Charger™ controller has an internal alarm buzzer.

When the alarm is triggered the buzzer will sound and a related failure message will appear on the display.

The alarm will sound when the following conditions occur:- when alarm sounds investigate and rectify cause.

Then press alarm mute button,  alarm will stop.

#### Remote alarm option

A remote alarm option is available, the Charger™ unit would need to be ordered in advance pre-wired for this option. Please consult Stuart Turner. Attempting to change the Charger™ MJ wiring will invalidate the guarantee.

### 10.12 Alarm fault codes

	Displayed message	Fault description	Action
A	<b>Hnt</b> high temp cut out	Pump head overheating - head temperature has exceeded the set Hnt value	Allow pump to cool. Ensure the pump inlet check valve and by pass are clear of debris see Fig. 13.
B	<b>Hpr</b> Hi pressure cut out	The current pressure rises above the Hpr value	Investigate the cause, then turn power off and on to reset or allow self reset.
C	<b>Lpr</b> Low pressure cut out	The current pressure falls below the set Lpr value	Investigate the cause, then turn power off and on to reset or allow self reset.
D	<b>Prt</b> pump run time	The pump has run longer than the set Prt value	Investigate cause, then turn power off and on. Contact Stuart Turner if problem persists
E	<b>PF1</b>	Pump failure	Contact Stuart Turner.

All alarms automatically reset except Prt, pf1.



11 YOUR GUARANTEE

Congratulations on purchasing a Stuart Turner Mainsboost Plus system.

We are confident this product will give you many years of trouble free service as all our products are manufactured to the very highest standard.

The Mainsboost Plus system consists of three key assemblies, the pump and upstream line-in kit are covered by the three year guarantee and the Mainsboost vessel has a five year guarantee.

Within the guarantee period we will repair, free of charge, any defects in the Mainsboost Plus resulting from faults in material or workmanship, repairing or exchanging the part affected or whole unit as we may reasonably decide.

Not covered by this guarantee: Damage arising from incorrect installation, improper use, unauthorised repair, normal wear and tear and defects which have a negligible effect on the value or operation of the unit.

Reasonable evidence must be supplied that the product has been purchased within the guarantee term prior to the date of claim (such as proof of purchase or the product serial number).

This guarantee is in addition to your statutory rights as a consumer. If you are in any doubt as to these rights, please contact your local Trading Standards Department.

In the event of a claim please telephone **‘PumpAssist’** customer support.

**+44 (0) 800 31 969 80**

You should obtain appropriate insurance cover for any loss or damage which is not covered by Stuart Turner Ltd in this provision.

Please record here for your records.

TYPE NO.	SERIAL NO.	DATE PURCHASED







## DECLARATION OF CONFORMITY

**2006/42/EC**

BS EN ISO 12100-1, BS EN ISO 12100-2, BS EN 809

**2006/95/EC**

BS EN 60335-1, BS EN 60335-2-41

**2004/108/EC**

BS EN 55014-1, BS EN 55014-2, BS EN 55022, BS EN 61000-3-2, BS EN 61000-3-3,  
BS EN 61000-4-2, BS EN 61000-4-3, BS EN 61000-4-4, BS EN 61000-4-5, BS EN 61000-4-6,  
BS EN 61000-4-11

**1999/519/EC**

BS EN 62233

**2011/65/EU**

IT IS HEREBY CERTIFIED THAT THE STUART ELECTRIC MOTOR DRIVEN PUMP AS SERIAL  
NUMBER BELOW, COMPLIES WITH THE ESSENTIAL REQUIREMENTS OF THE ABOVE E.E.C.  
DIRECTIVES.

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RESPONSIBLE PERSON  
AND MANUFACTURER

STUART TURNER LIMITED  
HENLEY-ON-THAMES, OXFORDSHIRE  
RG9 2AD ENGLAND.

Signed.....  ..... Technical Director

Stuart Turner are an approved company to BS EN ISO 9001:2000



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