

Flomate

Eliminate low mains water pressure problems with Flomate.

Designed for use with unvented (mains pressure) systems to provide a simple to install, cost effective solution to the increasingly common problem of low mains water pressure and flow.



without Flomate

with Flomate

Performance on demand

mains water boosting

Boosting mains water performance with or without a break tank.

In many homes, the traditional hot water immersion heater and central heating boiler fed by a cold water tank installed in the loft has been replaced by a combi-boiler or pressurised hot water cylinder. These system types cannot offer water pressure generated by gravity and as a result can often suffer from low water pressure at the outlet.

Flomate offers a solution...

Pumping water directly from the mains supply



Flomate's reliable flow regulator will ensure flow does not exceed the 12 litres per minute UK water regulation limits. However, if mains water pressure increases at times of low water demand and exceeds the minimum

guaranteed by the water supplier, Flomate's patented bypass feature ensures the resulting increase in water flow will bypass the pump head and be supplied to the property without being restricted.

A range of solutions for a range of properties

Flomate will boost incoming mains water pressure by an additional 1.5 bar at 12 litres per minute. Its compact design allows it to sit discreetly under the kitchen sink making it ideal for properties with limited space. Flomate Mains Boost Extra is designed for larger properties and combines all the features of the standard Flomate pump but supplements this with additional water storage provided by a pressure vessel.

By supplementing the performance of the Flomate pump with the supply from a pressurised water cylinder, Flomate Mains Boost Extra provides the facility to store water at pressure to meet peak demand and will deliver up to 30 litres per minute at 3.0 bar pressure to multiple outlets simultaneously. The range is designed to sit neatly within any standard kitchen cupboard and is available in sizes from 60 to 300 litres.

Pumping water indirectly from the mains supply



The next generation Flomate iBoost offers a compact, completely packaged system to provide an unrestricted pressurised supply of stored water to the whole property. Flomate iBoost is designed to meet

the demand requirements of high flow combination boilers or pressurised hot and cold water systems in larger domestic or light commercial applications where the existing mains water supply is insufficient.

Flomate iBoost provides a high flow, high pressure boosting solution offering an impressive 200 litres of cold stored water which is pumped at pressure to provide a continuous supply of up to 100 litres per minute and up to 4.5 bar pressure to multiple outlets, making it the most powerful, low water pressure boosting pump available within the range.

Flomate iBoost features a premium quality brass and stainless steel vertical multistage pump to deliver a reliable performance. The unit is also supplied with an easy to use control interface and incorporates quick fill valve technology which ensures the tank will always deliver an instantaneous boosted supply of water, ensuring constant pressure and flow as and when required.

Its compact self-contained modular design means it will not look out of place alongside other household white goods and can be easily housed within any standard 600 mm kitchen larder cupboard.

Full technical data sheets are available to download:
www.stuart-turner.co.uk

For further advice on selecting the correct pump call:

pumpassist
HELPLINE +44 (0) 800 31 969 80

Flomate

Flomate Mains Boost pumps offer a simple, patented solution to the problem of low or intermittent mains water pressure and flow without the need for a cold water break tank.

Designed to be connected directly to the incoming mains, Flomate Mains Boost pumps are WRAS Approved and fully compliant with UK water regulations. Designed to be compact and simple to install with no on-site commissioning required. Flomate pumps can be installed discreetly within a standard kitchen cupboard unit.



The high quality brass construction of the Flomate range is designed to provide quality, reliability and ensure performance on demand.

Flomate Mains Boost pumps deliver greater pressure and flow to multiple outlets.

Whole house
Bathroom
En-suite
Cloakroom
Kitchen
Utility room

Performance on demand

Features and benefits

Performance

- 2.2 - 3.2 bar pressure
- Output flow rate 12 - 30 litres/minute
- Built-in bypass
- Quiet operation
- Automatic switching
- Dry run protection
- Continuously rated

Quality

- UK water regulations compliant
- WRAS Approved
- ISO 9001:2008
- BS EN 60335 compliant
- CE compliant

Reliability

- 3 year guarantee
- Robust brass construction
- Long life mechanical seal
- Service kit available

Flomate Mains Boost pumps are supplied with anti-vibration feet and pre-wired for ease of installation.



Peripheral Design
 Pressure efficient
 Compact size
 System friendly,
 reduces potential
 to airlock




Automatic Flow Switch
 Flow Switch –
 automatically
 starts the pump
 when flow
 exceeds
 0.6 litres/min



Built-in Bypass
 If mains water
 pressure
 exceeds 1.5 bar,
 system output
 is not restricted.



Flow Restrictor
 Integrated flow
 restrictor
 ensures
 compliance with
 UK water
 regulations)



Mechanical Seal
 EPDM/PTFE/
 Al.Oxide seal
 Extended life



Threaded connections
 High quality
 threaded
 connections to
 the cold water
 rising main

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Flomate





Flomate Mains Boost

Suitable for low occupancy properties with typically one bathroom. The Flomate Mains Boost Pump is designed to be connected directly to the incoming mains and will deliver an additional 1.5 bar pressure to the existing mains pressure and a maximum flow rate of 12 litres per minute. The pump will start automatically when a flow rate of 0.6 litres per minute or more exists.

Part No	Model
46574	Mains Boost



Flomate Mains Boost Extra

Designed for higher occupancy properties and to fit neatly within a standard 500 mm kitchen base unit. Flomate Mains Boost Extra can be connected directly to the incoming mains and will deliver up to 16 litres/minute flow at 3.2 bar pressure to multiple outlets within the property, up to the preset cut-in limit of the 60 or 80 litre pressure vessel, at which time the system will deliver 12 litres/minute until demand ends and the pressure vessel recharges.

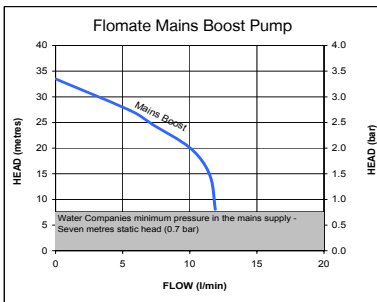
Part No	Model
46631	Mains Boost Extra 60
46634	Mains Boost Extra 80



Flomate Mains Boost Extra

Flomate Mains Boost Extra is suitable for larger properties with multiple bathrooms and outlets. Designed to sit within a typical kitchen 600 mm larder style cupboard it will deliver up to 30 litres/minute flow at 3.2 bar pressure, dependant on the chosen pressure vessel variant, to multiple outlets within the property, up to the preset cut-in limit at which time the system will deliver 12 litres/minute until demand ends and the pressure vessel recharges.

Part No	Model
46635	Mains Boost Extra 100
46636	Mains Boost Extra 200
46637	Mains Boost Extra 300



DESCRIPTION	TYPICAL RUN TIME IN MINUTES		
	12 ltr/min	16 ltr/min	18 ltr/min
Flomate	Constant	-	-
Flomate Extra 60	Constant	8	-
Flomate Extra 80	Constant	12	-

DESCRIPTION	TYPICAL RUN TIME IN MINUTES				
	12 ltr/min	16 ltr/min	18 ltr/min	24 ltr/min	30 ltr/min
Flomate Extra 100	Constant	16	8	-	-
Flomate Extra 200	Constant	24	18	8	-
Flomate Extra 300	Constant	40	24	16	8



mains boost pumps

"mains boost pumps provide a simple to install solution to the problem of low mains water pressure ensuring a boosted supply exactly when it's needed"



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Flomate iBoost

Flomate iBoost offers the perfect solution to the problem of low mains water pressure and flow for unvented systems with a simple to install, complete integrated package.

iBoost is ideally suited to boosting poor mains water supplies to larger properties using a high flow combination boiler or unvented cylinder system with two or more bathrooms, where higher pressure and flow are required. Flomate iBoost pumps will provide an unrestricted 200 litres of stored water to ensure a consistent pressurised supply to multiple outlets.



**Flomate
iBoost**

The patent pending premium quality multistage brass construction of the Flomate iBoost range ensures performance on demand.

These compact pumps fit within any standard 600 mm kitchen cupboard and are easy to install with no on-site commissioning required.

Whole house
Bathroom
En-suite
Cloakroom
Kitchen
Utility room

Performance on demand

Features and benefits

Performance

- 4.5 bar pressure
- Up to 100 litres/minute
- High capacity fill valve
- Continuous 20 litres/minute minimum
- Quiet operation
- Automatic switching
- Dry run protection
- Continuously rated

Quality

- UK water regulations compliant
- WRAS compliant materials
- ISO 9001:2008
- BS EN 60335 compliant
- CE compliant

Reliability

- 3 year guarantee
- Robust brass construction
- Long life mechanical seal

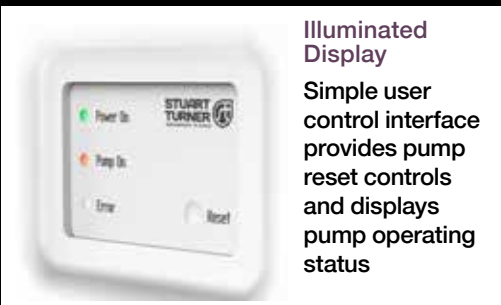
Flomate iBoost pumps are supplied as a complete fully packaged product for ease of installation.



Vertical Multistage
Premium quality, high performance pump



High Capacity Valve
Integrated high capacity fill valve ensures quick refill of the tank



Illuminated Display
Simple user control interface provides pump reset controls and displays pump operating status



Access Aperture
Easy access to inlets and outlets
Ease of installation and maintenance



Modular Assembly
Removable chassis plate for ease of servicing and maintenance

Flomate iBoost has the capacity to store an impressive 200 litres of cold water, yet is compact enough to fit within a standard kitchen larder cupboard.



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Flomate iBoost

Ideally suited for high occupancy properties with multiple bathrooms and water using appliances. Flomate iBoost provides an unrestricted supply at up to 100 litres per minute and 4.5 bar pressure, with a typical performance of 60 litres per minute at 3.0 bar pressure, reducing to a minimum of 20 litres per minute whilst the tank refills.

This reliable compact system will sit neatly within any standard 600 mm kitchen larder cupboard or alongside other household white goods.

Part No	Model
46668	iBoost



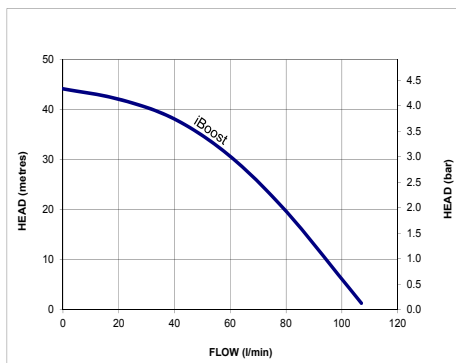
Flomate iBoost CAT 5

The Flomate iBoost CAT 5 water pressure and flow boosting system features a weir overflow making it suitable for use in commercial applications where the risk of back flow contamination from Category 5 fluids exists.

Flomate iBoost CAT 5 offers the same performance as a Flomate iBoost unit and delivers an unrestricted supply at up to 100 litres per minute and 4.5 bar pressure, with a typical performance of 60 litres per minute at 3.0 bar pressure, reducing to a minimum of 20 litres per minute whilst the tank refills.



Part No	Model
46677	iBoost CAT 5



DESCRIPTION	TYPICAL RUN TIME IN MINUTES (BASED ON 1.0 BAR MAINS PRESSURE)				
	20 ltr/min	40 ltr/min	60 ltr/min	80 ltr/min	90 ltr/min
Flomate iBoost Flomate iBoost CAT 5	Constant	10	5	3.5	3
Bar Pressure	4.0	3.5	3.0	2.0	1.5



iBoost pumps

"Flomate iBoost provides an innovative solution in an easy to install, compact and complete package."

For application guidance
see pages 34-35



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Low mains water pressure?

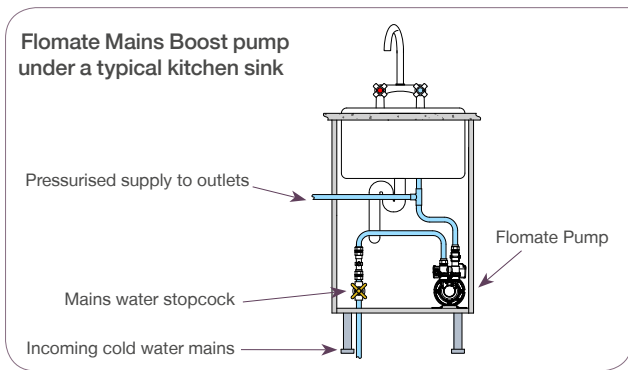
Flomate will provide a consistent flow of water and increased water pressure to a property, boosting multiple outlets at once such as kitchen taps, baths or showers.

A typical shower delivers between 9-12 litres of water per minute, which means that for homes in low water pressure areas the mains supply often cannot meet the demand.

Flomate will deliver an additional 1.5 bar pressure whilst limiting the water drawn from the mains to a maximum 12 litres per minute. The boost to water pressure and flow created by this compact pump is suitable for smaller properties where space is limited.

Flomate Mains Boost Extra is designed for larger occupancy properties and incorporates all the features of the Flomate pump. It can still be installed directly in line with the cold water mains supply but provides additional water storage with a 60, 80, 100, 200 or 300 litre pressure vessel.

Flomate iBoost utilises a large capacity 200 litre tank to deliver water at increased pressure and flow to multiple outlets and will easily supply 3 bathrooms simultaneously. The continuous boost to water pressure and flow makes it ideal for a busy household where more than one tap or shower might be in use at the same time.



Within a tall 600 mm standard kitchen unit of a larger property with higher occupancy.

Typical application:
Flomate Mains Boost Extra 100, 200 or 300

Within a tall 600 mm standard kitchen unit of a larger property with an unvented system and multiple bathrooms.

Typical application:
Flomate iBoost

Under the kitchen sink of a small property

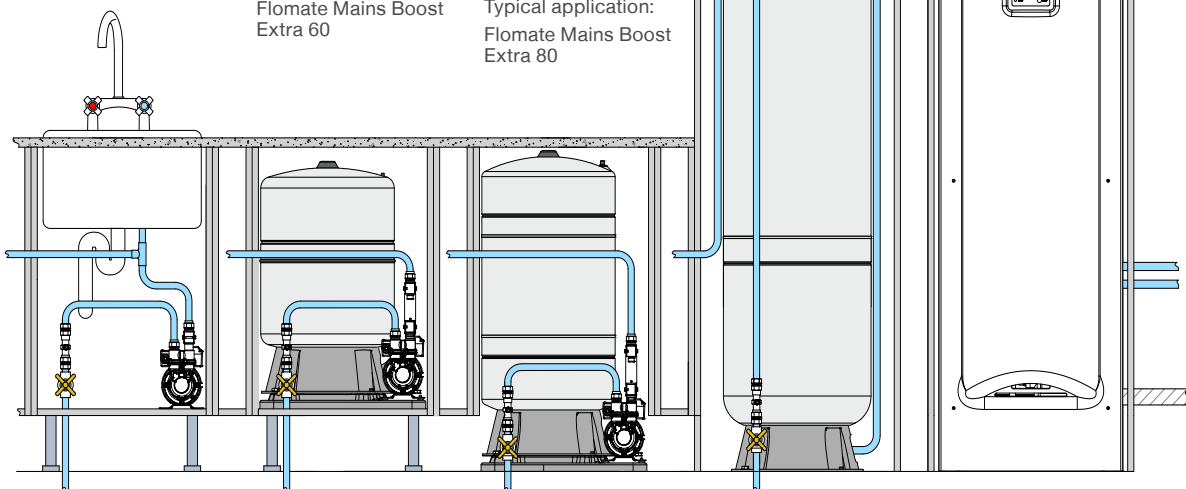
Typical application:
Flomate

Standard 500 mm kitchen base unit of a mid sized property

Typical application:
Flomate Mains Boost Extra 60

Standard 500 mm kitchen base unit of a mid sized property

Typical application:
Flomate Mains Boost Extra 80



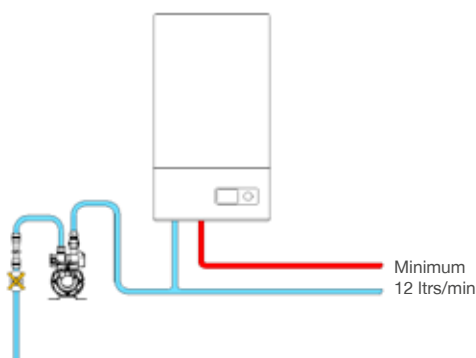
application guide - unvented system

These diagrams show where Flomate pumps would be typically located and are for general guidance only. For further advice or technical assistance please contact our PumpAssist team.

DESCRIPTION	Flomate	Flomate Extra 60	Flomate Extra 80	Flomate Extra 100	Flomate Extra 200	Flomate Extra 300	Flomate iBoost
House - 1 bathroom	●	●	●	●	●	●	●
House - 1 bathroom + cloakroom		●	●	●	●	●	●
House - 1 bathroom + 1 ensuite				●	●	●	●
House - 1 bathroom + 2 ensuite					●	●	●
Larger properties with more than 1 bathroom + 2 ensuite						●	●
Supply direct to a Combination Boiler	●	●	●	●	●	●	●
Unvented stored water system							●

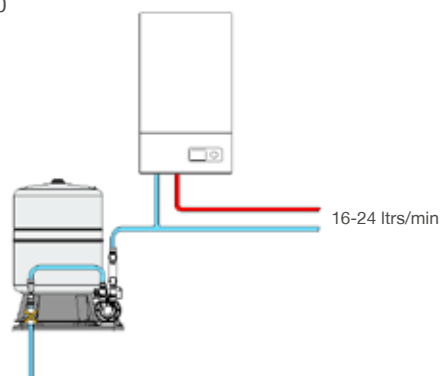
Combi Boiler

Typical application: Flomate Mains Boost Pump



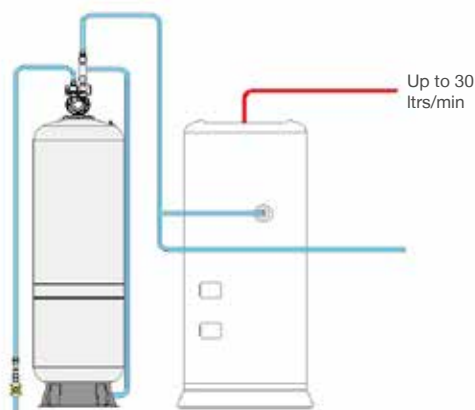
Combi Boiler

Typical application: Flomate Mains Boost Extra 60, 80, 100, 200



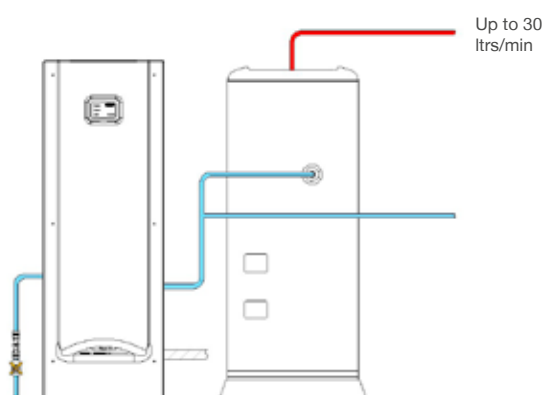
Unvented Hot Water Cylinder

Typical application: Flomate Mains Boost Extra 300



Unvented Hot Water Cylinder

Typical application: Flomate iBoost



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