

#POWERINGWATER



# AQUABOOST COLD WATER BOOSTING

STUART-TURNER.CO.UK

STUART  
TURNER



## ABOUT US

We are a UK manufacturer of pump and water boosting solutions with an unprecedented reputation for product quality, reliability, innovation and customer service.

Customers can expect nothing but the best product, using the latest technology, manufactured to the highest quality standards, resulting in the most reliable solution available.

All our products are designed and manufactured to exacting standards right here in the UK.

Most installations can be satisfied from our standard range of products, however, if you need a more tailored solution, our unique manufacturing facility combined with our technical expertise means we can provide bespoke options specifically aimed at commercial and OEM markets.

Telephone: **TechAssist +44 (0) 800 31 969 80** e-mail [info@stuart-turner.co.uk](mailto:info@stuart-turner.co.uk)

or visit the support section of the Stuart Turner website to find our specialist in your area.

[stuart-turner.co.uk](http://stuart-turner.co.uk)



# UNRIVALLED SUPPORT

We are specialists in our field, with a dedicated team able to offer help at every stage.

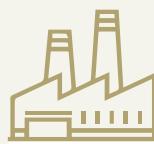
## DESIGN EXPERTISE

Our expert team can conduct a detailed analysis of the performance requirements of the intended project to produce a fully costed proposal. All our systems are custom designed in-house using the latest CAD software to develop, evaluate and aid the design of the most efficient solution for your specific needs.



## MANUFACTURING EXCELLENCE

We have invested in the latest production and manufacturing technologies to ensure we work to the highest quality standards. This guarantees our system reliability whilst at the same time minimising costs, improving efficiency and delivering on time and in full.



## TECHNICAL TRAINING

We offer a range of CPD courses aimed at building service engineers and accredited by CIBSE – Chartered Institution of Building Service Engineers. CIBSE is an internationally recognised professional association that supports construction and engineering industries by delivering up-to-date knowledge of the built environment to its membership through training and education.

Visit the **CIBSE** website for further details.



## COMMISSIONING

We provide a full commissioning service on all our systems and are available to advise on the installation of your system should you require our technical help or practical expertise.



## MAINTENANCE

Ongoing maintenance is a cost-effective solution to prolonging the life of your system and maximising its operational efficiency. To ensure the system continues to operate effectively and reliably we can also offer a comprehensive maintenance and service contract.



## ON-GOING SUPPORT

The quality and reliability of our products and services are second to none, allowing you peace of mind when you specify Stuart Turner. However, should you experience any issues we have a dedicated team of technical experts available to help. The TechAssist team are available to offer technical advice or guidance on any aspect of product selection.

Technical helpline:  
**TechAssist 0800 31 969 80**



INTRODUCING

# AQUABOOST BOOSTER SETS

## LOW PRESSURE? NO PROBLEM!

AQUABOOST offers the ultimate water supply solution.

We offer a comprehensive range of standard water boosting sets, designed to optimise space and provide a very quiet, simple to install package for both large domestic and commercial applications.

If one of our standard solutions does not meet your needs then AQUABOOST bespoke packaged pump systems are designed and built specifically to suit your individual project and site requirements.

AQUABOOST cold water pressure and flow boosting solutions utilise high quality pumps combined with intelligent variable speed controls to solve the problem of poor water pressure in multiple applications.

Simple to commission and ready to go!



## AQUABOOST

**"Stuart Turner offer a range of AQUABOOST booster sets and integrated pump and water storage systems, designed to optimise space, provide higher water pressure and flow to multiple outlets and supplied as a ready to install fully packaged product."**

## INTRODUCING

# AQUABOOST

## iBOLT

WRAS APPROVED PRESSURE VESSEL

- ▶ UP TO 9.2 BAR PRESSURE
- ▶ FLOW RATES UP TO 75 M<sup>3</sup>/ HOUR
- ▶ ADVANCED VARIABLE SPEED CONTROL
- ▶ 8 or 24 LITRE PRESSURE VESSEL OPTIONS
- ▶ DRY RUN PROTECTION

Available as a stand-alone single pump or single, twin and triple pump booster sets. The AQUABOOST iBOLT range of variable speed booster pumps and pump sets feature horizontal multistage pumps controlled by air-cooled variable speed frequency inverters mounted directly on the pump motor. Designed to be a high performing and intuitive to commission pump range, offering constant water pressure supply where flow demand varies.

ADVANCED PUMP CONTROL

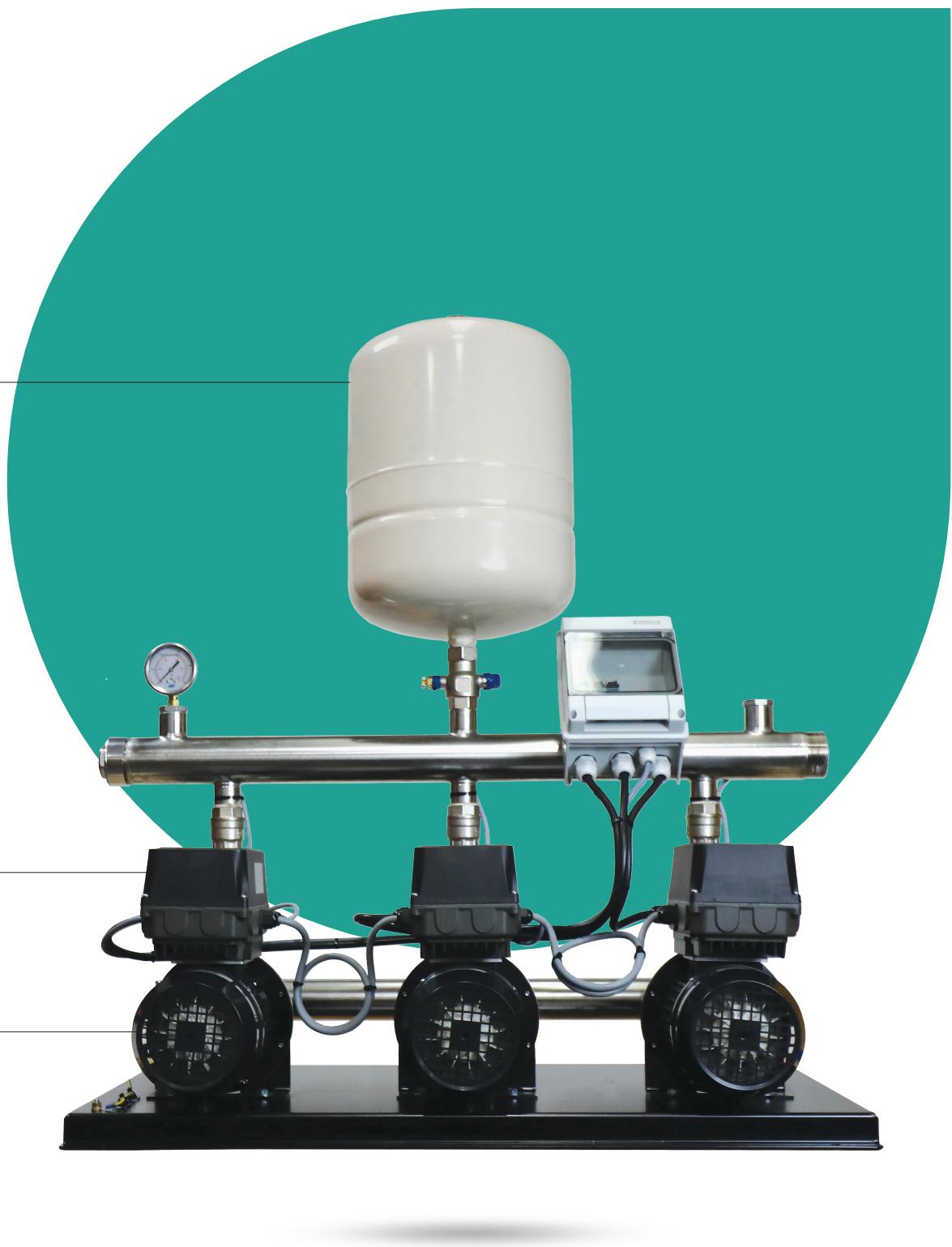
HIGH QUALITY MULTISTAGE PUMPS

### GOOD TO KNOW

AQUABOOST iBOLT pump and booster sets feature WRAS approved lever ball valves and BMS volt free contacts and utilise variable speed controllers, which continually vary the motor speed to match the changing flow demand pattern, whilst maintaining a constant minimum required system pressure. They are simple to commission, just scan the QR code.

### DID YOU KNOW

AQUABOOST iBOLT booster sets are available with a WRAS approved 8 or 24 litre pressure vessel, providing an added buffer of pressurised cold water to supplement pressure and flow.



#### GOOD TO KNOW

iBOLT 0904 3H CMT / 24

Product Type

—

Pump Model

—

No of Pumps

—

Controller – Single Phase

—

Vessel Size

# AQUABOOST iBOLT

## AQUABOOST iBOLT single pumps

The AQUABOOST iBOLT range of booster pumps features a horizontal multistage pump controlled by an air-cooled variable speed frequency inverter mounted directly on the pump motor.

The single pump 03 range of pump variants are capable of delivering flow rates up to 5.0 m<sup>3</sup>/hour and producing head pressures of up to 9.0 bar.

The 05 range of pump variants deliver flow rates up to 8.0 m<sup>3</sup>/hour and are capable of producing head pressures of up to 9.2 bar.

The 09 range of pump variants are capable of delivering flow rates up to 15.0 m<sup>3</sup>/hour and of producing head pressures of up to 7.1 bar.



- ▶ UP TO 9.2 BAR PRESSURE
- ▶ FLOW RATES UP TO 15 M<sup>3</sup>/ HOUR
- ▶ ADVANCED VARIABLE SPEED CONTROL
- ▶ DRY RUN PROTECTION

Part No	Model	Nominal Flow (per pump) (m <sup>3</sup> /hr)	Nominal Head (bar)
47345	iBOLT Pump 0304	3	3.0
47346	iBOLT Pump 0306	3	4.7
47378	iBOLT Pump 0308	3	6.4
47347	iBOLT Pump 0504	5	3.4
47348	iBOLT Pump 0506	5	5.0
47379	iBOLT Pump 0508	5	6.5
47380	iBOLT Pump 0903	9	2.6
47349	iBOLT Pump 0904	9	3.6
47350	iBOLT Pump 0906	9	5.0

# AQUABOOST iBOLT SPECIFICATIONS

		iBOLT Pump 0304 47345	iBOLT Pump 0506 47348	iBOLT Pump 0906 47350
General	Warranty	2 Years		
	Conformity certification	UKCA / CE		
Features	Pump control system	Variable speed (via pressure transducer)		
	Pump control mode	Duty		
	Dry run protection	●	●	●
	BMS volt-free contacts	●	●	●
Performance	Nominal head	3.0 bar	5.0 bar	5.0 bar
	Maximum head (closed valve)	4.4 bar	7.0 bar	7.1 bar
	Nominal flow rate	3.0 m³/h	5.0 m³/h	9.0 m³/h
	Maximum flow rate	5.0 m³/h	8.0 m³/h	15.0 m³/h
	Minimum static inlet pressure	0.1 bar		
	Maximum static inlet pressure	1 bar		
	Maximum static outlet pressure	1.3 bar		
	Maximum air temperature	40 °C		
Connections	Inlet	1 3/4"		
	Outlet	1"		
Pump	Pump type	Centrifugal multistage		
	Pump body	Stainless steel		
	Impeller	Stainless steel		
	Mechanical seal	EPDM / Carbon / Ceramic		
	Motor type	Induction (current overload sensor)		
	Duty rating	Continuous		
Electrical	Voltage / phase / frequency	230 V a.c. / 1 / 50 Hz		
	Current - full load	2.9 Amps	5.5 Amps	8.7 Amps
Physical	Enclosure protection	IP55		
	Width	176.5 mm	176.5 mm	176.5 mm
	Depth	387 mm	472 mm	556 mm
	Height	300 mm	315 mm	320 mm
	Weight	13 Kg	18 Kg	25 Kg

The above details are published for guidance only. Please visit the Stuart Turner website for the full technical specifications: [stuart-turner.co.uk](http://stuart-turner.co.uk)

# AQUABOOST iBOLT

## AQUABOOST iBOLT single pump booster set

The AQUABOOST iBOLT range of single pump booster sets features a horizontal multistage pump controlled by an air-cooled variable speed frequency inverter mounted directly on the pump motor.

The iBOLT 03 single pump range is capable of delivering flow rates up to 5.0 m<sup>3</sup>/hour and head pressures of up to 9.0 bar.

The iBOLT 05 single pump variants deliver flow rates up 8.0 m<sup>3</sup>/hour and capable of producing head pressures of up to 9.2 bar.

The iBOLT 09 single pump variants deliver flow rates up 15.0 m<sup>3</sup>/hour and capable of producing head pressures of up to 7.1 bar.

The iBOLT 15 single pump booster set offers an impressive 25.0 m<sup>3</sup>/hour flow rate and is capable of producing head pressures of up to 4.4 bar.



- ▶ UP TO 9.2 BAR PRESSURE
- ▶ FLOW RATES UP TO 25 M<sup>3</sup>/ HOUR
- ▶ ADVANCED VARIABLE SPEED CONTROL
- ▶ DRY RUN PROTECTION
- ▶ WRAS APPROVED 8 LITRE PRESSURE VESSEL

Part No	Model	Nominal Flow (per pump) (m <sup>3</sup> /hr)	Nominal Head (bar)
47381	iBOLT 0304 1H-CMT/8	3	3.0
47382	iBOLT 0306 1H-CMT/8	3	4.7
47383	iBOLT 0308 1H-CMT/8	3	6.4
47384	iBOLT 0504 1H-CMT/8	5	3.4
47385	iBOLT 0506 1H-CMT/8	5	5.0
47386	iBOLT 0508 1H-CMT/8	5	6.5
47387	iBOLT 0903 1H-CMT/8	9	2.6
47388	iBOLT 0904 1H-CMT/8	9	3.6
47389	iBOLT 0906 1H-CMT/8	9	5.0
47547	iBOLT 1503 1H-CMT/8	15	3.4

# AQUABOOST iBOLT SPECIFICATIONS

		iBOLT 0304 1H-CMT/8 47381	iBOLT 0504 1H-CMT/8 47384	iBOLT 0906 1H-CMT/8 47389
General	Warranty	2 Years		
	Conformity certification	UKCA / CE		
Features	Pump control system	Variable speed (via pressure transducer)		
	Pump control mode	Duty		
	Dry run protection	●	●	●
	Glycerine filled pressure gauge	●	●	●
	Pump check valve(s)	●	●	●
	BMS volt-free contacts	●	●	●
	Pressure vessel	8 Litres		
Performance	Nominal head	3.0 bar	3.4 bar	5.0 bar
	Maximum head (closed valve)	4.4 bar	4.6 bar	7.1 bar
	Nominal flow rate	3.0 m³/h	5.0 m³/h	9.0 m³/h
	Maximum flow rate	5.0 m³/h	8.0 m³/h	15.0 m³/h
	Minimum static inlet pressure	0.1 bar		
	Maximum static inlet pressure	1 bar		
	Maximum static outlet pressure	1.3 bar		
	Maximum air temperature	40 °C		
Connections	Inlet	1 1/4"	1 1/4"	1 1/2"
	Outlet	1"	1"	1 1/4"
Manifold	Manifold construction	Stainless steel		
	Pump isolation valves	Full bore, lever		
Pump	Pump type	Centrifugal multistage		
	Pump body	Stainless steel		
	Impeller	Stainless steel		
	Mechanical seal	EPDM / Carbon / Ceramic		
	Motor type	Induction (current overload sensor)		
	Duty rating	Continuous		
Electrical	Voltage / phase / frequency	230 V a.c. / 1 / 50 Hz		
	Current - full load	2.9 Amps	3.7 Amps	8.7 Amps
Physical	Enclosure protection	IP55		
	Width	380 mm	380 mm	380 mm
	Depth	600 mm	600 mm	600 mm
	Height	840 mm	840 mm	840 mm
	Weight	24Kg	29 Kg	36 Kg

The above details are an example published for guidance only. Please visit the Stuart Turner website for the full technical specifications: [stuart-turner.co.uk](http://stuart-turner.co.uk)

# AQUABOOST iBOLT

## AQUABOOST iBOLT twin pump booster set

The AQUABOOST iBOLT range of twin pump booster sets features two horizontal multistage pumps controlled by air-cooled variable speed frequency inverters mounted directly on the pump motors.

The iBOLT 03 twin pump range is capable of delivering flow rates up to 5.0 m<sup>3</sup>/hour (per pump) and head pressures of up to 9.0 bar.

The iBOLT 05 twin pump range is capable of delivering flow rates up to 8.0 m<sup>3</sup>/hour (per pump) and head pressures of up to 9.2 bar.

The iBOLT 09 twin pump range is capable of delivering flow rates up to 15.0 m<sup>3</sup>/hour (per pump) and head pressures of up to 9.2 bar.

The iBOLT 15 twin pump booster set is capable of delivering flow rates up to 25.0 m<sup>3</sup>/hour (per pump) and head pressures of up to 4.4 bar.



- ▶ UP TO 9.2 BAR PRESSURE
- ▶ FLOW RATES UP TO 50 M<sup>3</sup>/ HOUR
- ▶ ADVANCED VARIABLE SPEED CONTROL
- ▶ DRY RUN PROTECTION
- ▶ WRAS APPROVED 24 LITRE PRESSURE VESSEL

Part No	Model	Nominal Flow (per pump) (m <sup>3</sup> /hr)	Nominal Head (bar)
47353	iBOLT 0304 2H-CMT/24	3	3
47354	iBOLT 0306 2H-CMT/24	3	3
47390	iBOLT 0308 2H-CMT/24	3	3
47355	iBOLT 0504 2H-CMT/24	5	5
47356	iBOLT 0506 2H-CMT/24	5	5
47391	iBOLT 0508 2H-CMT/24	5	5
47392	iBOLT 0903 2H-CMT/24	9	9
47357	iBOLT 0904 2H-CMT/24	9	9
47358	iBOLT 0906 2H-CMT/24	9	9
47548	iBOLT 1503 2H-CMT/24	15	3.4

# AQUABOOST iBOLT SPECIFICATIONS

		iBOLT 0304 2H-CMT/24 47353	iBOLT 0506 2H-CMT/24 47356	iBOLT 0906 2H-CMT/24 47358
General	Warranty	2 Years		
	Conformity certification	UKCA/CE		
Features	Pump control system	Variable speed (via pressure transducer)		
	Pump control mode	Duty / Standby or Duty / Assist		
	Dry run protection	●	●	●
	Glycerine filled pressure gauge	●	●	●
	Pump check valve(s)	●	●	●
	BMS volt-free contacts	●	●	●
	Pressure vessel	24 Litres		
Performance	Nominal head	3.0 bar	5.0 bar	5.0 bar
	Maximum head (closed valve)	4.4 bar	7.0 bar	7.1 bar
	Nominal flow rate (per pump)	6.0 m³/h (3.0 m³/h)	10.0 m³/h (5.0 m³/h)	18.0 m³/h (9.0 m³/h)
	Maximum flow rate (per pump)	10 m³/h (5.0 m³/h)	16.0 m³/h (8.0 m³/h)	30.0 m³/h (15.0 m³/h)
	Minimum static inlet pressure	0.1 bar		
	Maximum static inlet pressure	1 bar		
	Maximum static outlet pressure	1.3 bar		
	Maximum air temperature	40 °C		
Connections	Inlet	2"	2"	2 1/2"
	Outlet	1 1/2"	1 1/2"	2"
Manifold	Manifold construction	Stainless steel		
	Pump isolation valves	Full bore, lever, WRAS Approved		
Pump	Pump type	Centrifugal multistage		
	Pump body	Stainless steel		
	Impeller	Stainless steel		
	Mechanical seal	EPDM / Carbon / Ceramic		
	Motor type	Induction (current overload sensor)		
	Duty rating	Continuous		
Electrical	Voltage / phase / frequency	230 V a.c. / 1 / 50 Hz		
	Current – full load	5.8 Amps	11.0 Amps	17.4 Amps
Physical	Enclosure protection	IP55		
	Width	650 mm	650 mm	650 mm
	Depth	570 mm	655 mm	760 mm
	Height	1050 mm	1050 mm	1085 mm
	Weight	49 Kg	59 Kg	68 Kg

The above details are an example published for guidance only. Please visit the Stuart Turner website for the full technical specifications: [stuart-turner.co.uk](http://stuart-turner.co.uk)

# AQUABOOST iBOLT

## AQUABOOST iBOLT triple pump booster set

The AQUABOOST iBOLT range of triple pump booster sets features three horizontal multistage pumps controlled by air-cooled variable speed frequency inverters mounted directly on the pump motors.

The iBOLT 03 range is capable of delivering flow rates up to 5.0 m<sup>3</sup>/hour (per pump) and head pressures of up to 9.0 bar.

The iBOLT 05 range is capable of delivering flow rates up to 8.0 m<sup>3</sup>/hour (per pump) and head pressures of up to 9.2 bar.

The iBOLT 09 range is capable of delivering flow rates up to 15.0 m<sup>3</sup>/hour (per pump) and head pressures of up to 7.1 bar.

The iBOLT 15 triple pump booster set is capable of delivering flow rates up to 25.0 m<sup>3</sup>/hour (per pump) and head pressures of up to 4.4 bar.



- ▶ UP TO 9.2 BAR PRESSURE
- ▶ FLOW RATES UP TO 75 M<sup>3</sup>/ HOUR
- ▶ ADVANCED VARIABLE SPEED CONTROL
- ▶ DRY RUN PROTECTION
- ▶ WRAS APPROVED 24 LITRE PRESSURE VESSEL

Part No	Model	Nominal Flow (per pump) (m <sup>3</sup> /hr)	Nominal Head (bar)
47549	iBOLT 0304 3H-CMT/24	3	3.1
47550	iBOLT 0306 3H-CMT/24	3	4.8
47551	iBOLT 0308 3H-CMT/24	3	6.4
47552	iBOLT 0504 3H-CMT/24	5	3.4
47553	iBOLT 0506 3H-CMT/24	5	5.2
47554	iBOLT 0508 3H-CMT/24	5	6.6
47555	iBOLT 0903 3H-CMT/24	9	2.6
47556	iBOLT 0904 3H-CMT/24	9	3.6
47557	iBOLT 0906 3H-CMT/24	9	5.0
47558	iBOLT 1503 3H-CMT/24	15	3.4

# AQUABOOST iBOLT SPECIFICATIONS

		iBOLT 0304 3H-CMT/24 47549	iBOLT 0506 3H-CMT/24 47553	iBOLT 0906 3H-CMT/24 47557
General	Warranty	2 Years		
	Conformity certification	UKCA/CE		
Features	Pump control system	Variable speed (via pressure transducer)		
	Pump control mode	Duty / Standby or Duty / Assist		
	Dry run protection	●	●	●
	Glycerine filled pressure gauge	●	●	●
	Pump check valve(s)	●	●	●
	BMS volt-free contacts	●	●	●
	Pressure vessel	24 Litres		
Performance	Nominal head	3.0 bar	5.0 bar	5.0 bar
	Maximum head (closed valve)	4.4 bar	7.0 bar	7.1 bar
	Nominal flow rate (per pump)	9.0 m³/h (3.0 m³/h)	15.0 m³/h (5.0 m³/h)	27.0 m³/h (9.0 m³/h)
	Maximum flow rate (per pump)	15 m³/h (5.0 m³/h)	24.0 m³/h (8.0 m³/h)	45.0 m³/h (15.0 m³/h)
	Minimum static inlet pressure	0.1 bar		
	Maximum static inlet pressure	1 bar		
	Maximum static outlet pressure	1.3 bar		
	Maximum air temperature	40 °C		
Connections	Inlet	2"	3"	3"
	Outlet	2"	2 1/2"	2 1/2"
Manifold	Manifold construction	Stainless steel		
	Pump isolation valves	Full bore, lever, WRAS Approved		
Pump	Pump type	Centrifugal multistage		
	Pump body	Stainless steel		
	Impeller	Stainless steel		
	Mechanical seal	EPDM / Carbon / Ceramic		
	Motor type	Induction (current overload sensor)		
	Duty rating	Continuous		
Electrical	Voltage / phase / frequency	230 V a.c. / 1 / 50 Hz		
	Current – full load	9.0 Amps	12.8 Amps	17.4 Amps
Physical	Enclosure protection	IP55		
	Width	900 mm	900 mm	900 mm
	Depth	565 mm	655 mm	760 mm
	Height	1085 mm	1085 mm	1085 mm
	Weight	78 Kg	92 Kg	122 Kg

The above details are an example published for guidance only. Please visit the Stuart Turner website for the full technical specifications: [stuart-turner.co.uk](http://stuart-turner.co.uk)

## INTRODUCING

# AQUABOOST ABB BOOSTER SETS

- ▶ UP TO 9.2 BAR PRESSURE
- ▶ FLOW RATES UP TO 45 M<sup>3</sup>/ HOUR
- ▶ ADVANCED VARIABLE SPEED CONTROL
- ▶ 24 LITRE PRESSURE VESSEL
- ▶ DRY RUN PROTECTION

WRAS APPROVED PRESSURE VESSEL

ADVANCED PUMP CONTROL

Booster sets available with twin or triple horizontal or twin vertical pumps. The AQUABOOST ABB range of variable speed booster sets feature high quality multistage pumps controlled by air-cooled variable speed frequency inverters. Designed to be a high performing and intuitive to commission booster set range, offering constant water pressure supply where flow demand varies.

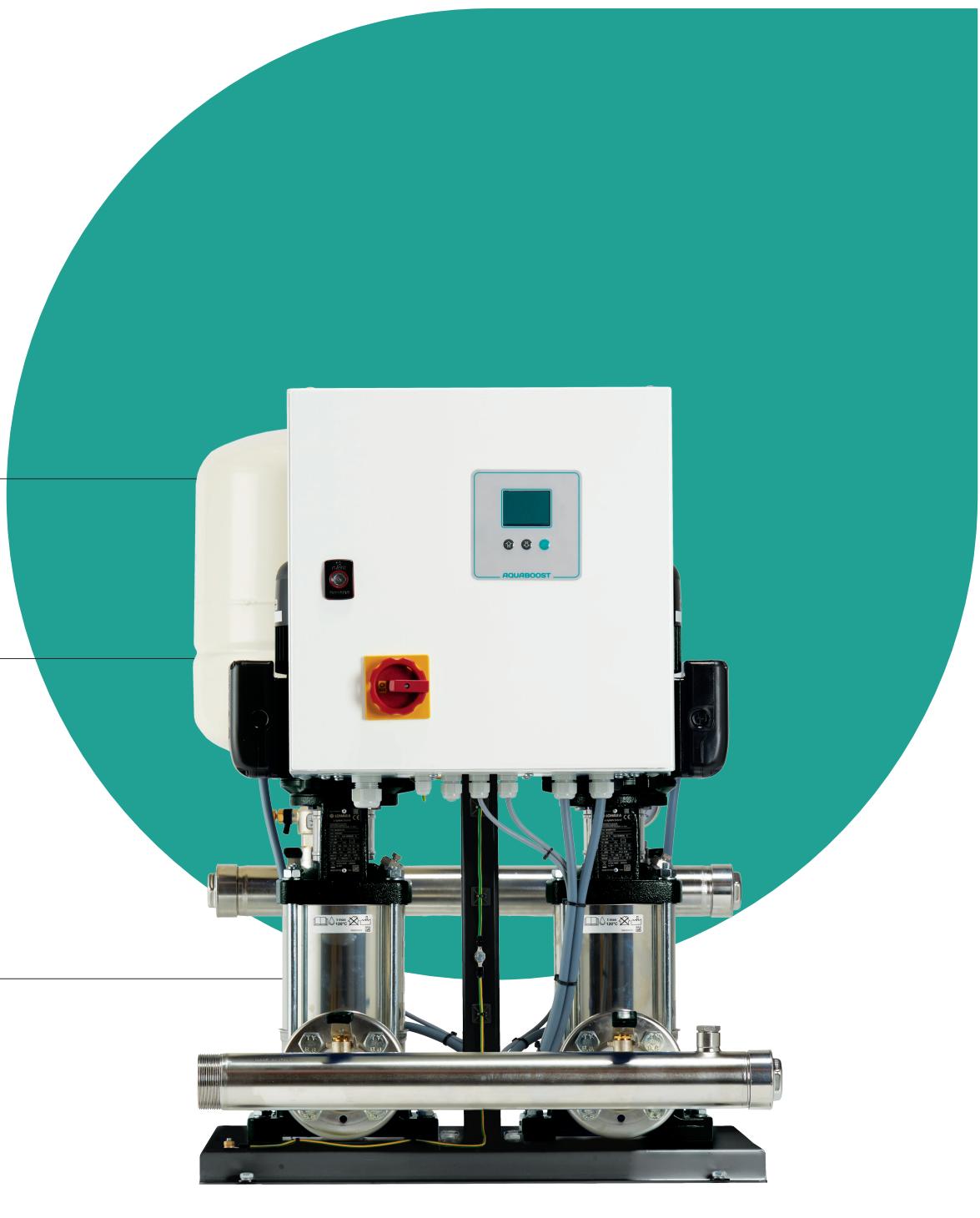
HIGH QUALITY MULTISTAGE PUMPS

### GOOD TO KNOW

AQUABOOST ABB booster sets feature WRAS approved lever ball valves and BMS volt free contacts and utilise variable speed controllers, which continually vary the motor speed to match the changing flow demand pattern, whilst maintaining a constant minimum required system pressure.

### DID YOU KNOW

AQUABOOST ABB booster sets are supplied with a WRAS approved 24 litre pressure vessel, providing an added buffer of pressurised cold water to supplement pressure and flow.



## GOOD TO KNOW

Product Code Structure Example:

ABB 0306 2V-SPC/M

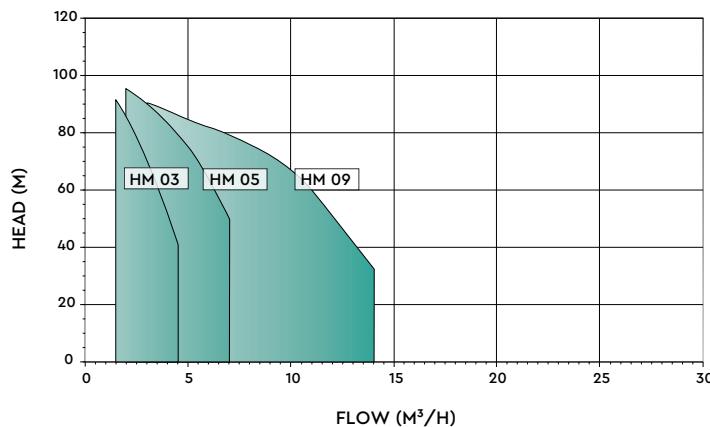
Product Type	ABB
Pump Model	0306
Number of Pumps	2V
Controller / Single Phase	SPC/M

# AQUABOOST BOOSTER SETS

## AQUABOOST ABB horizontal twin pump booster sets

AQUABOOST ABB horizontal booster sets are available with two horizontally mounted high performance pumps with variable speed control.

Suitable for use in commercial applications, these sets are capable of boosting cold water flow rates of up to 30 m<sup>3</sup>/h or heads up to up to 9.2 bar pressure.



- UP TO 9.2 BAR PRESSURE
- FLOW RATES UP TO 30 M<sup>3</sup>/ HOUR
- ADVANCED VARIABLE SPEED CONTROL
- STAINLESS STEEL MANIFOLD
- WRAS APPROVED 24 LITRE PRESSURE VESSEL

Part No	Model	Pumps	Nominal Flow (per pump) (m <sup>3</sup> /hr)	Nominal Head (bar)
67203	ABB 0304 2H-SPC/M	2	3	3.0
67205	ABB 0306 2H-SPC/M	2	3	4.7
67207	ABB 0308 2H-SPC/M	2	3	6.4
67211	ABB 0504 2H-SPC/M	2	5	3.4
67213	ABB 0506 2H-SPC/M	2	5	5.0
67215	ABB 0508 2H-SPC/M	2	5	6.5
67218	ABB 0903 2H-SPC/M	2	9	2.6
67219	ABB 0904 2H-SPC/M	2	9	3.6
67221	ABB 0906 2H-SPC/M	2	9	5.0

# AQUABOOST BOOSTER SET SPECIFICATIONS

		ABB 0304 2H-SPC/M 67203	ABB 0506 2H-SPC/M 67213	ABB 0906 2H-SPC/M 67221
General	Warranty	2 years		
	WRAS approval	Approved materials		
	Conformity certification	UKCA / CE		
Features	Pump control system	Variable speed / pressure transducer		
	Pump control mode	Duty-assist / Duty-standby		
	Dry run protection	●	●	●
	Glycerine filled pressure gauge	●	●	●
	Pump check valve(s)	●	●	●
	BMS volt-free contacts	●	●	●
	Pressure vessel	24 litres		
	Noise	<70 dB(A)		
Performance	Nominal head	3.0 bar	5.0 bar	5.0 bar
	Maximum head (closed valve)	4.4 bar	7.0 bar	7.1 bar
	Nominal flow rate (per pump)	6.0 m³/h (3.0 m³/h)	10.0 m³/h (5.0 m³/h)	18.0 m³/h (9.0 m³/h)
	Maximum flow rate (per pump)	10.0 m³/h (5.0 m³/h)	16.0 m³/h (8.0 m³/h)	30.0 m³/h (15.0 m³/h)
	Minimum static inlet pressure	0.1 bar		
	Maximum static inlet pressure	1 bar		
	Maximum static outlet pressure	1.3 bar		
	Maximum air temperature	40 °C		
Connections	Manifold inlet	2"	2"	2"
	Manifold outlet	1 1/2"	1 1/2"	2"
Manifold	Manifold construction	Stainless steel		
	Pump isolation valves	Full bore, lever, WRAS Approved		
Pump	Pump type	Centrifugal multistage		
	Pump body	Stainless steel		
	Impeller	Stainless steel		
	Mechanical seal	EPDM / Carbon / Ceramic		
	Motor type	Induction (current overload sensor)		
	Duty rating	Continuous (S1)		
Electrical	Voltage / phase / frequency	230 V a.c. / 1 / 50 Hz		
	Current – full load	5.8 Amps	11.0 Amps	17.4 Amps
Physical	Enclosure protection	IP55		
	Width	650 mm	650 mm	650 mm
	Depth	780 mm	825 mm	885 mm
	Height	1050 mm	1050 mm	1085 mm
	Weight (including fittings)	60 Kg	70 Kg	84 Kg

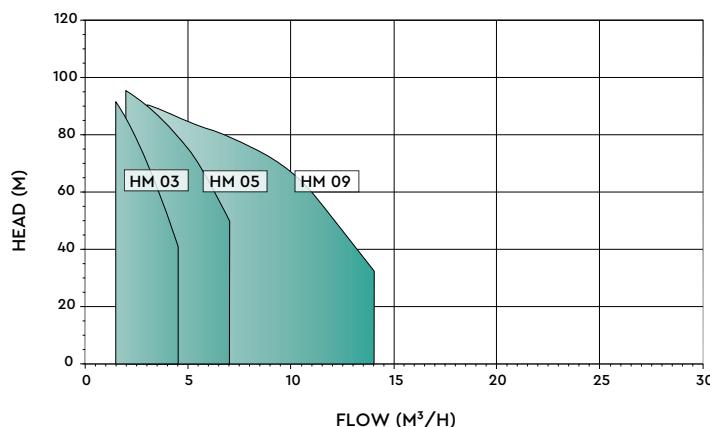
The above details are published for guidance only. Please visit the Stuart Turner website for the full technical specifications: [stuart-turner.co.uk](http://stuart-turner.co.uk)

# AQUABOOST BOOSTER SETS

## AQUABOOST ABB horizontal triple pump booster sets

AQUABOOST ABB horizontal booster sets are available with three horizontally mounted high performance pumps with variable speed control.

Suitable for use in commercial applications, these sets are capable of boosting cold water flow rates of up to 45 m<sup>3</sup>/h or heads up to up to 9.2 bar pressure.



- ▶ UP TO 9.2 BAR PRESSURE
- ▶ FLOW RATES UP TO 45 M<sup>3</sup>/ HOUR
- ▶ ADVANCED VARIABLE SPEED CONTROL
- ▶ STAINLESS STEEL MANIFOLD
- ▶ WRAS APPROVED 24 LITRE PRESSURE VESSEL

Part No	Model	Pumps	Nominal Flow (per pump) (m <sup>3</sup> /hr)	Nominal Head (bar)
67303	ABB 0304 3H-SPC/M	3	3	3.0
67305	ABB 0306 3H-SPC/M	3	3	4.7
67307	ABB 0308 3H-SPC/M	3	3	6.4
67311	ABB 0504 3H-SPC/M	3	5	3.4
67313	ABB 0506 3H-SPC/M	3	5	5.0
67315	ABB 0508 3H-SPC/M	3	5	6.5
67318	ABB 0903 3H-SPC/M	3	9	2.6
67319	ABB 0904 3H-SPC/M	3	9	3.6
67321	ABB 0906 3H-SPC/M	3	9	5.0

# AQUABOOST BOOSTER SET SPECIFICATIONS

		ABB 0304 3H-SPC/M 67303	ABB 0506 3H-SPC/M 67313	ABB 0906 3H-SPC/M 67321
General	Warranty	2 years		
	WRAS approval	Approved materials		
	Conformity certification	UKCA / CE		
Features	Pump control system	Variable speed / pressure transducer		
	Pump control mode	Duty-assist / Duty-standby		
	Dry run protection	●	●	●
	Glycerine filled pressure gauge	●	●	●
	Pump check valve(s)	●	●	●
	BMS volt-free contacts	●	●	●
	Pressure vessel	24 litres		
	Noise	<70 dB(A)		
Performance	Nominal head	3.0 bar	5.0 bar	5.0 bar
	Maximum head (closed valve)	4.4 bar	7.0 bar	7.1 bar
	Nominal flow rate (per pump)	9.0 m³/h (3.0 m³/h)	15.0 m³/h (5.0 m³/h)	27.0 m³/h (9.0 m³/h)
	Maximum flow rate (per pump)	15.0 m³/h (5.0 m³/h)	24.0 m³/h (8.0 m³/h)	45.0 m³/h (15.0 m³/h)
	Minimum static inlet pressure	0.1 bar		
	Maximum static inlet pressure	1 bar		
	Maximum static outlet pressure	1.3 bar		
	Maximum air temperature	40 °C		
Connections	Manifold inlet	2"	2 1/2"	3"
	Manifold outlet	1 1/2"	2"	2 1/2"
Manifold	Manifold construction	Stainless steel		
	Pump isolation valves	Full bore, lever, WRAS Approved		
Pump	Pump type	Centrifugal multistage		
	Pump body	Stainless steel		
	Impeller	Stainless steel		
	Mechanical seal	EPDM / Carbon / Ceramic		
	Motor type	Induction (current overload sensor)		
	Duty rating	Continuous (S1)		
Electrical	Voltage / phase / frequency	230 V a.c. / 1 / 50 Hz		
	Current – full load	8.7 Amps	16.5 Amps	26.1 Amps
Physical	Enclosure protection	IP55		
	Width	900 mm	900 mm	900 mm
	Depth	780 mm	845 mm	905 mm
	Height	1070 mm	1070 mm	1120 mm
	Weight (including fittings)	82 Kg	97 Kg	117 Kg

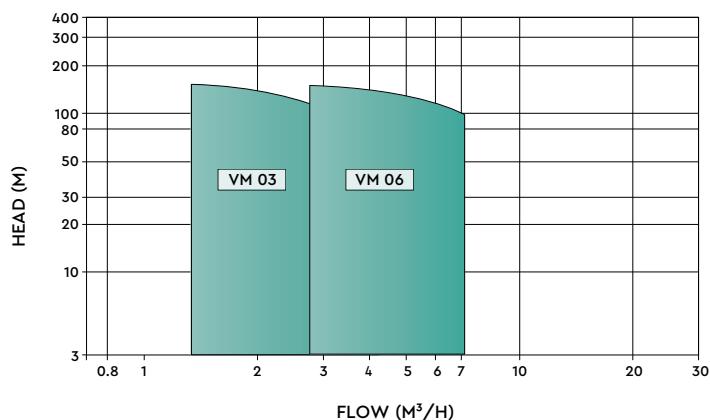
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# AQUABOOST BOOSTER SETS

## AQUABOOST ABB Vertical twin pump booster sets

AQUABOOST ABB vertical booster sets are available with two vertically mounted high performance pumps with variable speed control.

Suitable for use in commercial applications, these sets are capable of boosting cold water flow rates of up to 16 m<sup>3</sup>/h or heads up to up to 8.1 bar pressure.



- UP TO 8.1 BAR PRESSURE
- FLOW RATES UP TO 16 M<sup>3</sup>/ HOUR
- ADVANCED VARIABLE SPEED CONTROL
- STAINLESS STEEL MANIFOLD
- WRAS APPROVED 24 LITRE PRESSURE VESSEL

Part No	Model	Nominal Flow (per pump) (m <sup>3</sup> /hr)	Nominal Head (bar)
67257	ABB 0306 2V-SPC/M	3	3.2
67259	ABB 0308 2V-SPC/M	3	4.3
67261	ABB 0310 2V-SPC/M	3	5.4
67272	ABB 0609 2V-SPC/M	6	4.2
67273	ABB 0610 2V-SPC/M	6	4.8
67274	ABB 0611 2V-SPC/M	6	5.3

# AQUABOOST BOOSTER SET SPECIFICATIONS

		ABB 0306 2V-SPC/M 67257	ABB 0609 2V-SPC/M 67272	ABB 0611 2V-SPC/M 67274
General	Warranty	2 years		
	WRAS approval	Approved materials		
	Conformity certification	UKCA / CE		
Features	Pump control system	Variable speed / pressure transducer		
	Pump control mode	Duty-assist / Duty-standby		
	Dry run protection	●	●	●
	Glycerine filled pressure gauge	●	●	●
	Pump check valve(s)	●	●	●
	BMS volt-free contacts	●	●	●
	Pressure vessel	24 litres		
	Noise	<70 dB(A)		
Performance	Nominal head	3.2 bar	5.1 bar	5.6 bar
	Maximum head (closed valve)	4.4 bar	6.6 bar	8.1 bar
	Nominal flow rate (per pump)	6.0 m³/h (3.0 m³/h)	9.0 m³/h (4.5 m³/h)	11.0 m³/h (5.5 m³/h)
	Maximum flow rate (per pump)	9.0 m³/h (4.5 m³/h)	16.0 m³/h (8.0 m³/h)	16.0 m³/h (8.0 m³/h)
	Minimum static inlet pressure	0.1 bar		
	Maximum static inlet pressure	1 bar		
	Maximum static outlet pressure	1.3 bar		
	Maximum air temperature	40 °C		
Connections	Manifold inlet	1 1/2"	2"	2"
	Manifold outlet	1 1/2"	2"	2"
Manifold	Manifold construction	Stainless steel		
	Pump isolation valves	Full bore, lever, WRAS Approved		
Pump	Pump type	Centrifugal multistage		
	Pump body	Stainless steel		
	Impeller	Stainless steel		
	Mechanical seal	EPDM / Carbon / Ceramic		
	Motor type	Induction (current overload sensor)		
	Duty rating	Continuous (S1)		
Electrical	Voltage / phase / frequency	230 V a.c. / 1 / 50 Hz		
	Current – full load	5.2 Amps	10.4 Amps	16.0 Amps
Physical	Enclosure protection	IP55		
	Width	600 mm	600 mm	600 mm
	Depth	650 mm	725 mm	725 mm
	Height	1250 mm	1300 mm	1300 mm
	Weight (including fittings)	110 Kg	130 Kg	140 Kg

The above details are published for guidance only. Please visit the Stuart Turner website for the full technical specifications: [stuart-turner.co.uk](http://stuart-turner.co.uk)

## INTRODUCING

# AQUABOOST

## iMATIC

WRAS APPROVED PRESSURE VESSEL

- ▶ UP TO 6.6 BAR PRESSURE
- ▶ FLOW RATES UP TO 20 M<sup>3</sup>/ HOUR
- ▶ ADVANCED VARIABLE SPEED CONTROL
- ▶ 8 or 24 LITRE PRESSURE VESSEL OPTIONS
- ▶ DRY RUN PROTECTION

ADVANCED PUMP CONTROLS  
WITH STATUS INDICATORS

AQUABOOST iMATIC cold water booster systems are extremely quiet in operation, compact and simple to use. Supplied as an integrated system featuring one or two 304 Stainless steel submersible multistage pumps controlled by automatic variable speed frequency inverters and packaged with a polypropylene break tank. They offer flow rates up to 10 m<sup>3</sup>/hour (per pump) and produce head pressures of up to 6.6 bar, depending on the chosen product.

HIGH QUALITY MOULDED TANK

### GOOD TO KNOW

AQUABOOST iMATIC integrated systems utilise WRAS approved materials and include an AC air gap within the tank design. With tank capacities ranging from 400 litres to 1200 litres you can be confident you will find the ideal solution to your water pressure and flow boosting needs. Simply connect to the mains water supply.

### DID YOU KNOW

AQUABOOST iMATIC integrated systems feature intuitive easy to navigate control panel with status indicators, BMS volt free contacts and offer easy commissioning, just scan the QR code.



## GOOD TO KNOW

Product Code Structure Example:

iMATIC 0904 2H CMT / 8 400

Product Type:

Pump Model

Number of Pumps

Controller Single Phase

Pressure Vessel Size

Tank Size

# AQUABOOST iMATIC

## AQUABOOST iMATIC integrated single pump booster set

The AQUABOOST iMATIC single pump booster set features one submersible multistage pump controlled by a dedicated variable speed frequency inverter.

The single pump 400 litre tank is fitted with a 0304 stainless steel pump, capable of delivering flow rates up to 6.0 m<sup>3</sup>/hour and capable of producing head pressures of up to 6.4 bar.



- ▶ UP TO 6.4 BAR PRESSURE
- ▶ FLOW RATES UP TO 6 M<sup>3</sup>/ HOUR
- ▶ ADVANCED VARIABLE SPEED CONTROL
- ▶ DRY RUN PROTECTION
- ▶ WRAS APPROVED 8 LITRE PRESSURE VESSEL

Part No	Model	Nominal Flow (per pump) (m <sup>3</sup> /hr)	Nominal Head (bar)
47359	iMATIC 0304 1S CMT-8 400	3	4.4

### GOOD TO KNOW

AQUABOOST iMATIC systems utilise continuously rated, thermally protected pumps and MDPE materials (food grade rated) in the tank construction.

# AQUABOOST iMATIC SPECIFICATIONS

iMATIC 0304 1S-CMT/8 400 47359		
General	Warranty	2 Years
	Conformity certification	UKCA / CE
Features	Water tank air gap	Type AF
	Fluid category	CAT 3 / CAT 4
	Pump control system	Variable speed
	Pump control mode	Duty
	Dry run protection	•
	Pump check valve(s)	•
	Pressure vessel	8 litre / 10 bar
	Flexible connection hose – outlet	Optional extra
Performance	Nominal head	4.4 bar
	Maximum head (closed valve)	6.4 bar
	Nominal flow rate (per pump)	3.5 m <sup>3</sup> /h
	Maximum flow rate (per pump)	6.0 m <sup>3</sup> /h
	Ambient air temperature	0 – 40 °C
Water tank	Nominal water tank size	400 litres
	Usable water capacity	320 litres
	Float valve	WRAS Approved
	Water tank fill rate	30 l/min
Connections	Inlet	1/2" BSP
	Outlet	1" BSP
	Overflow	22 mm
Materials	Water tank	MDPE, food grade rated
	Water tank base	MDPE, food grade rated
Manifold	Manifold construction	N/A
	Pump isolation valves	Full bore, lever, WRAS Approved
Pump	Pump type	Submersible multistage centrifugal
	Motor type	Induction (current overload sensor)
	Duty rating	Continuous
Electrical	Power supply / phase / frequency	16 A 230 V.a.c / 1 / 50 Hz
	Full load current	6 Amps
Dimensions	Width	680 mm
	Depth	680 mm
	Height	1975 mm
	Weight Dry / filled	45 / 365 Kg

# AQUABOOST iMATIC

## AQUABOOST iMATIC integrated twin pump booster sets

The AQUABOOST iMATIC range of twin pump booster sets feature two submersible multistage pumps controlled by a dedicated variable speed frequency inverter.

The twin pump 800 litre tank is fitted with two 0304 stainless steel pumps, capable of delivering flow rates up to 6.0 m<sup>3</sup>/hour per pump and capable of producing head pressures of up to 6.4 bar.

The twin pump 1200 litre tank is fitted with two 0504 stainless steel pumps, capable of delivering flow rates up to 10.0 m<sup>3</sup>/hour per pump and capable of producing head pressures of up to 6.6 bar.



- ▶ UP TO 6.6 BAR PRESSURE
- ▶ FLOW RATES UP TO 20 M<sup>3</sup>/ HOUR
- ▶ ADVANCED VARIABLE SPEED CONTROL
- ▶ DRY RUN PROTECTION
- ▶ WRAS APPROVED 24 LITRE PRESSURE VESSEL

Part No	Model	Nominal Flow (per pump) (m <sup>3</sup> /hr)	Nominal Head (bar)
47360	iMATIC 0304 2S CMT-24 800	3	4.4
47361	iMATIC 0504 2S CMT-24 1200	3	4.6

### WHY NOT CONSIDER...

**Stuart Water Conditioners**, developed specifically for domestic and commercial plumbing applications. Stuart Water Conditioners feature an unique catalytic alloy core which effectively prevents hard limescale deposits from forming.

**Stuart Pressurisation Units** offer automatic fill and pressure maintenance solutions for sealed heating and chiller systems. With a unique monocoque design and advanced digital controls. [stuart-turner.co.uk](http://stuart-turner.co.uk)

# AQUABOOST iMATIC SPECIFICATIONS

		iMATIC 0304 2S-CMT/24 800 47360	iMATIC 0504 2S-CMT/24 1200 47361
General	Warranty	2 Years	
	Conformity certification	UKCA / CE	
Features	Water tank air gap	Type AF	
	Fluid category	CAT 3 / CAT 4	
	Pump control system	Variable speed	
	Pump control mode	Duty / Assist or Duty / Standby	
	Dry run protection	•	
	Pump check valve(s)	•	
	Pressure vessel	24 litre / 10 bar	
	Flexible connection hose – outlet	Optional extra	
Performance	Nominal head	4.4 bar	
	Maximum head (closed valve)	6.4 bar	
	Nominal flow rate	7.0 m³/h (3.5.0 m³/h per pump)	12.0 m³/h (6.0 m³/h per pump)
	Maximum flow rate	12.0 m³/h (6.0 m³/h per pump)	20.0 m³/h (10.0 m³/h per pump)
	Ambient air temperature	0 – 40 °C	
Water tank	Nominal water tank size	800 litres	1200 litres
	Usable water capacity	650 litres	1000 litres
	Float valve	WRAS Approved	
	Water tank fill rate	30 l/min	
Connections	Inlet	1/2" BSP	
	Outlet	1 1/2" BSP	
	Overflow	22 mm	
Materials	Water tank	MDPE, food grade rated	
	Water tank base	MDPE, food grade rated	
Manifold	Manifold construction	Stainless Steel	
	Pump isolation valves	Full bore, lever, WRAS Approved	
Pump	Pump type	Submersible multistage centrifugal	
	Motor type	Induction, thermal protection	
	Duty rating	Continuous	
Electrical	Power supply / phase / frequency	16 A 230 V.a.c / 1 / 50 Hz	
	Full load current	12 Amps	12.8 Amps
Dimensions	Width	980 mm	1150 mm
	Depth	980 mm	1150 mm
	Height	2245 mm	2270 mm
	Weight Dry / filled	75 / 725 Kg	85 / 1025 Kg

## INTRODUCING

# AQUABOOST

## IN-TANK BOOSTER SETS

- ▶ UP TO 8 BAR PRESSURE
- ▶ FLOW RATES UP TO 27 M<sup>3</sup>/ HOUR
- ▶ ADVANCED VARIABLE SPEED CONTROL
- ▶ 8 or 24 LITRE PRESSURE VESSEL OPTIONS
- ▶ DRY RUN PROTECTION

ADVANCED PUMP CONTROL

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The AQUABOOST IN-TANK range of automatic variable speed booster systems offers a compact, very quiet and simple to install solution for a range of domestic and commercial applications.

Available with 250 – 2000 litre cold water storage capacity, with one, two or three pumps providing flow rates up to 27 m<sup>3</sup>/h and heads up to 8 bar.

INSULATED GRP COLD WATER STORAGE TANK

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HIGH PERFORMANCE SUBMERSIBLE PUMPS

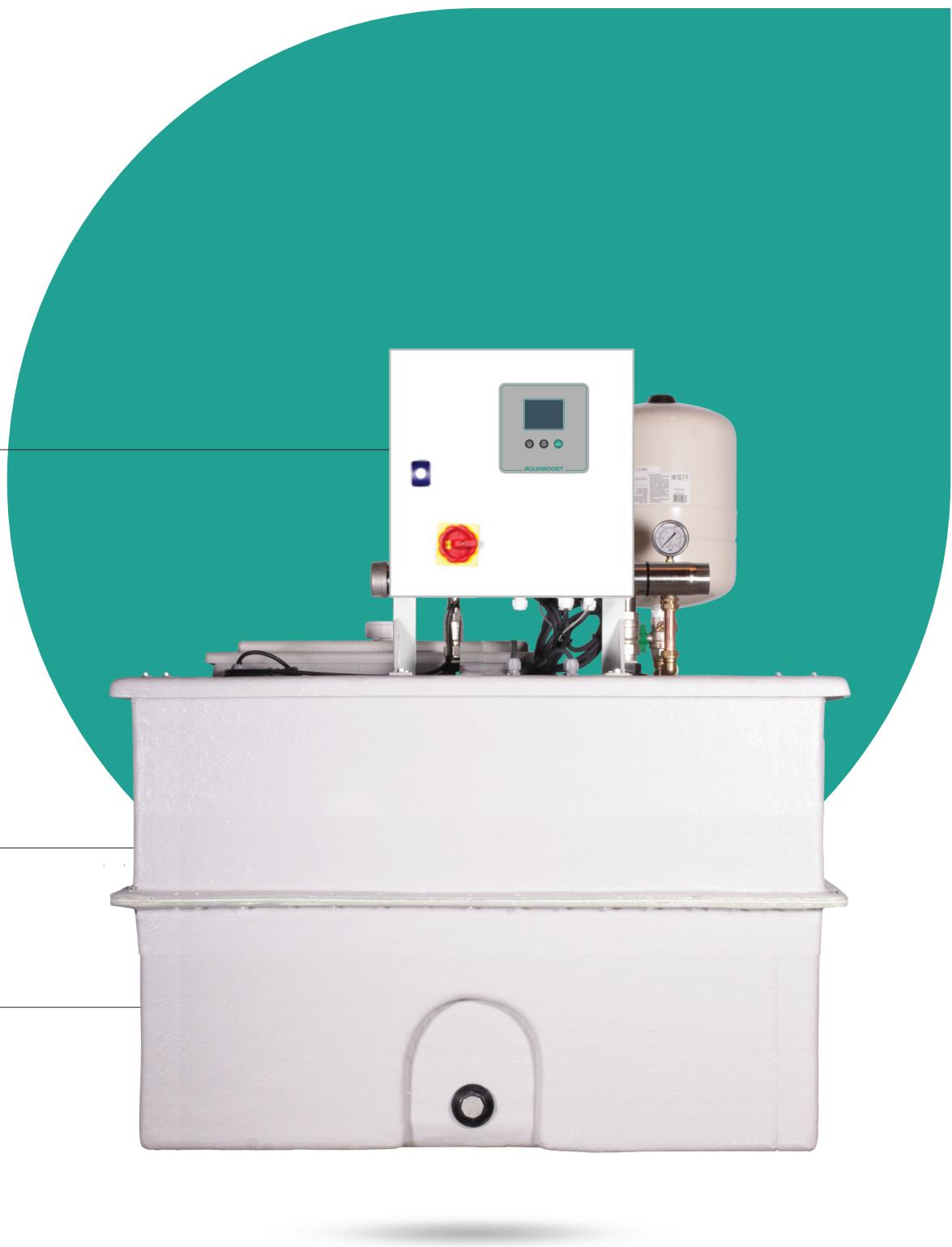
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### GOOD TO KNOW

AQUABOOST IN-TANK booster systems feature one, two or three extremely quiet submersible pumps and variable speed controllers, which continually vary the motor speed to match the changing flow demand pattern, whilst maintaining a constant minimum required system pressure.

### DID YOU KNOW

AQUABOOST IN-TANK booster sets are supplied with a WRAS approved 24 litre pressure vessel, providing an added buffer of pressurised cold water to supplement pressure and flow.



## GOOD TO KNOW

Product Code Structure Example:

ABI 0303 1S-SPC/M 1050

Product Type

ABI 0303

Pump Model

1S-SPC

Number of Pumps

M

Controller Single Phase

1050

Tank Size

# AQUABOOST IN-TANK

## AQUABOOST IN-TANK booster system

The AQUABOOST IN-TANK range of automatic variable speed booster systems offers a compact, very quiet and simple to install solution for a range of domestic and commercial applications.

Available with 250 – 2000 litre cold water storage capacity, with one, two or three pumps providing flow rates up to 27 m<sup>3</sup>/h and heads up to 8 bar.



- ▶ COMPACT, SPACE SAVING DESIGN
- ▶ HEADS UP TO 8 BAR
- ▶ FLOW RATES UP TO 27 M<sup>3</sup>/ HOUR
- ▶ 24 LITRE PRESSURE VESSEL INCLUDED
- ▶ VARIABLE SPEED SINGLE, TWIN OR TRIPLE PUMP
- ▶ EASY INSTALLATION
- ▶ 25 MM COLD WATER TANK THERMAL INSULATION

Part No	Model	Nominal Head (bar)	Number of Pumps
47076	IN-TANK ABI 0303 1S-SPC/M 0250	3.7	1
47079	IN-TANK ABI 0303 1S-SPC/M 0600	3.7	1
47362	IN-TANK ABI 0303 1S-SPC/M 0825	3.7	1
47082	IN-TANK ABI 0303 1S-SPC/M 1000	3.7	1
47088	IN-TANK ABI 0303 1S-SPC/M 1050	3.7	1
47107	IN-TANK ABI 0303 2S-SPC/M 1500	3.7	2
47272	IN-TANK ABI 0303 2S-SPC/M 2000	3.7	2

# AQUABOOST IN-TANK SPECIFICATIONS

		0250	0600	0825	1000	1050	1500	2000
General	Warranty				2 years			
	Conformity certification				UKCA / CE			
	Typical noise				40 dB(A)			
Features	Water tank air gap				Type AF			
	Fluid category				CAT 3 / CAT 4			
	Pump control system				Variable speed / pressure transducer			
	Pump control mode (single pump)				Duty			
	Pump control mode (twin pump)				Duty-Assist / Duty-Standby			
	Pump control mode (triple pump)				Duty-Assist-Assist / Duty-Assist-Standby			
	Dry run protection	•	•	•	•	•	•	•
	Pressure Vessel				24 litre / 10 bar			
	Pump check valve(s)	•	•	•	•	•	•	•
	Output pressure gauge	•	•	•	•	•	•	•
Performance	Flexible connection hose – outlet	•	•	•	•	•	•	•
	Maximum head*				7.9 bar (79 metres)			
	Nominal duty (single pump)*	3 m <sup>3</sup> /h	3 m <sup>3</sup> /h	3 m <sup>3</sup> /h	5 m <sup>3</sup> /h	5 m <sup>3</sup> /h	-	-
	Nominal duty (twin pump)*	-	6 m <sup>3</sup> /h	6 m <sup>3</sup> /h	10 m <sup>3</sup> /h	10 m <sup>3</sup> /h	10 m <sup>3</sup> /h	10 m <sup>3</sup> /h
	Nominal duty (triple pump)*	-	-	-	15 m <sup>3</sup> /h	-	15 m <sup>3</sup> /h	15 m <sup>3</sup> /h
	Maximum static inlet pressure				10 bar			
	Maximum static outlet pressure				11.1 bar			
Water tank	Ambient air temperature				0 – 40 °C			
	Nominal water tank size	250 l	600 l	825 l	1000 l	1050 l	1500 l	2000 l
	Usable water capacity	175 l	400 l	660 l	800 l	850 l	1250 l	1700 l
	Float valve type				Equilibrium			
Connections	Water tank fill rate	60 l/min	60 l/min	150 l/min	150 l/min	150 l/min	150 l/min	150 l/min
	Inlet connection (single/twin)	¾ "	¾ "	1 "	1 "	1 "	1 "	1 "
	Inlet connection (triple)	-	-	-	1 ¼ "	-	1 ¼ "	1 ¼ "
	Outlet connection (single)	1 ¼ " BSP	1 ¼ " BSP	-	-			
	Outlet connection (twin/triple)	-	2 " BSP	2 " BSP	2 " BSP	2 " BSP	2 " BSP	2 " BSP
	Outlet connection hose (single)				1 ¼ " BSP x 300 mm		-	-
	Outlet connection hose (twin/triple)	-			2 " BSP x 350 mm			
	Overflow connection (single/twin)	1 ¼ "	1 ¼ "	1 ½ "	1 ½ "	1 ½ "	1 ½ "	1 ½ "
	Overflow connection (triple)	-	-	-	2 "	-	2 "	2 "
Materials	Drain connection	1 "	1 "	1 "	1 "	1 "	1 "	1 "
	Water tank				Reinforced, pre-insulated GRP			
Manifold	Water tank base				Encapsulated marine ply			
	Manifold construction				Stainless steel			
Pump	Pump isolation valves				Full bore, lever			
	Pump type				Submersible multistage centrifugal			
	Motor type				Induction, thermal protection			
Electrical	Duty rating				Continuous (S1)			
	Power supply / phase / frequency				16 A 230 V.a.c./1/50 Hz			
	Enclosure protection				IPX4			
Dimensions	Depth	690 mm	1180 mm	1665 mm	1185 mm	1650 mm	1190 mm	1195 mm
	Width	690 mm	685 mm	665 mm	1185 mm	650 mm	1705 mm	2195 mm
	Height	1675 mm	1870 mm	1757 mm	1657 mm	2057 mm	1657 mm	1657 mm
Weight (dry/filled)	Single pump	Dry	70 Kg	90 Kg	110 Kg	100 Kg	120 Kg	-
		Filled	270 Kg	560 Kg	980 Kg	930 Kg	990 Kg	-
	Twin pump	Dry	-	110 Kg	130 Kg	130 Kg	140 Kg	150 Kg
		Filled	-	600 Kg	990 Kg	960 Kg	1020 Kg	1310 Kg
	Triple pump	Dry	-	-	-	160 Kg	-	170 Kg
		Filled	-	-	-	990 Kg	-	1330 Kg
								1400 Kg

\*Model dependant – see pump characteristic curves

## INTRODUCING

# AQUABOOST

## FRAME MOUNTED BOOSTER SETS

- ▶ UP TO 6.5 BAR PRESSURE
- ▶ FLOW RATES UP TO 80 LTRS/MIN
- ▶ FIXED AND VARIABLE SPEED CONTROL OPTIONS
- ▶ POLYPROPYLENE COLD WATER STORAGE TANKS
- ▶ FLUID CATEGORY 3/4 AND CATEGORY 5 OPTIONS

POLYPROPYLENE COLD  
WATER TANK

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A range of frame mounted fixed or variable speed booster sets available for Category 3/4 applications or Category 5 where the risk of back-flow contamination exists.

AQUABOOST FRAME MOUNTED booster sets feature an open construction steel powder coated frame with polypropylene cold water storage tanks with storage capacities from 50 to 200 litres providing flow rates up to 80 litres per minute.

PRESSURE VESSEL

---

HIGH QUALITY MULTISTAGE PUMP

---

### GOOD TO KNOW

AQUABOOST open frame mounted booster sets are supplied with anti-vibration mounting feet as standard.



### GOOD TO KNOW

Product Code Structure Example:

ABF F100-80-35 CAT5

Product Type	
Fixed / Variable Speed	
Tank Size	
Maximum Flow / Head	
Fluid Category	

# AQUABOOST FRAME MOUNTED

## AQUABOOST FRAME MOUNTED category 3/4 and category 5 booster systems

A range of frame mounted fixed or variable speed booster sets available for Category 3/4 applications or Category 5 where the risk of back-flow contamination exists.

Available in tank size of between 50 – 200 litres of water and flow rates up to 80 litres per minute.



- ▶ HEADS UP TO 65 M
- ▶ FLOW RATES UP TO 80 L/MIN
- ▶ CAT 3/4/5 FLUID COMPATIBLE OPTIONS
- ▶ FIXED OR VARIABLE SPEED PUMP CONTROL
- ▶ ANTI-VIBRATION MOUNTING FEET

Part No	Model	Nominal Water Tank Size (litres)	Usable Water Capacity (litres)
46692	ABF F50-80-35 CAT5	67	55
46693	ABF F100-80-35 CAT5	113	91
46690	ABF V200-45-65	270	227
46691	ABF V200-80-65	270	227

# AQUABOOST FRAME MOUNTED SPECIFICATIONS

	F50-80-35 CAT 5 46692	F100-80-35 CAT 5 46693	V200-45-65 CAT 3/4 46690	V200-80-65 CAT 3/4 46691	
General	Warranty	1 year			
	WRAS approval	Approved materials			
	Conformity certification	UKCA / CE			
Features	Water tank air gap	Type AB + weir		Type AF / AG	
	Fluid risk compatibility	CAT 5		CAT 3 / CAT 4	
	Pump control system	Fixed speed		Variable speed	
	Pump control mode	Duty		Duty	
	Dry run protection	●	●	●	
	Anti-vibration feet	●	●	●	
	Flexible connection hose - outlet	●	●	●	
	Pressure vessel	-	-	18 litres	
	Noise	<70 dB(A)		<70 dB(A)	
Performance	Maximum head (closed valve)	35 metres		65 metres	
	Maximum flow	80 l/min		45 l/min	
	Maximum static inlet pressure	2.7 bar		5 bar	
	Maximum static outlet pressure	15 metres		50 metres	
	Maximum working pressure*	1000 kPa (10 bar)		1000 kPa (10 bar)	
	Ambient air temperature range	Min 4 °C / Max 30 °C		Min 4 °C / Max 30 °C	
Water tank	Nominal water tank size	67 litres	113 litres	270 litres	
	Usable water capacity	55 litres	91 litres	227 litres	
	Float valve type	Low pressure BS1212 Part 2		Equilibrium	
Connections	Inlet connection	1/2 "		3/4 "	
	Outlet connection	1 " BSP		1 " BSP	
	Outlet flexible hose	1 " BSP		1 " BSP	
	Overflow	3/4 "		1 1/4 "	
	Drain valve	1/2 "		1/2 "	
Materials	Water tank	Polyethylene		Polyethylene	
Pump	Pump type	Centrifugal		Centrifugal	
	Motor type	Induction (thermal trip/auto reset)			
	Duty rating	Continuous (S1)		Continuous (S1)	
Electrical	Voltage / phase / frequency	230 V a.c. / 1 / 50 Hz		230 V a.c. / 1 / 50 Hz	
	Current (full load)	4.5 Amps		6.8 Amps	
	Power consumption	0.97 kW		1.1 kW	
	Fuse rating	13 Amp		10 Amp	
	Power cable (pre-wired)	2 metres		2 metres	
Physical	Enclosure protection	IP55		IP55	
	Width	618 mm	668 mm	600 mm	
	Depth	600 mm	614 mm	600 mm	
	Height (excluding hoses)	796 mm	896 mm	1475 mm	
	Weight (including fittings)	60 Kg	70 Kg	110 Kg	
	Weight (filled)	120 Kg	160 Kg	337 Kg	
				342 Kg	

INTRODUCING

# AQUABOOST

## AQUABREAK



- ▶ BOOSTS COLD WATER SUPPLY UP TO 4.5 BAR
- ▶ FLOW RATES UP TO 24 LTRS/MIN
- ▶ CATEGORY 5 BACKFLOW PREVENTION
- ▶ DURABLE STAINLESS STEEL ENCLOSURE
- ▶ 5 LITRE BREAK TANK

CAT 5 BACKFLOW PREVENTION

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STAINLESS STEEL ENCLOSURE

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The AQUABREAK is a complete, all-in-one single outlet booster set incorporating single pump, pressure sensor, controller, control vessel, non-return valve and a 5 litre (nominal) break tank fitted with a ½" solenoid valve and strainer.

The electronic controller ensures that the pump starts automatically when water is consumed and stops automatically when the consumption ceases. In addition the controller protects the pump in case of faults.

5 LITRE BREAK TANK

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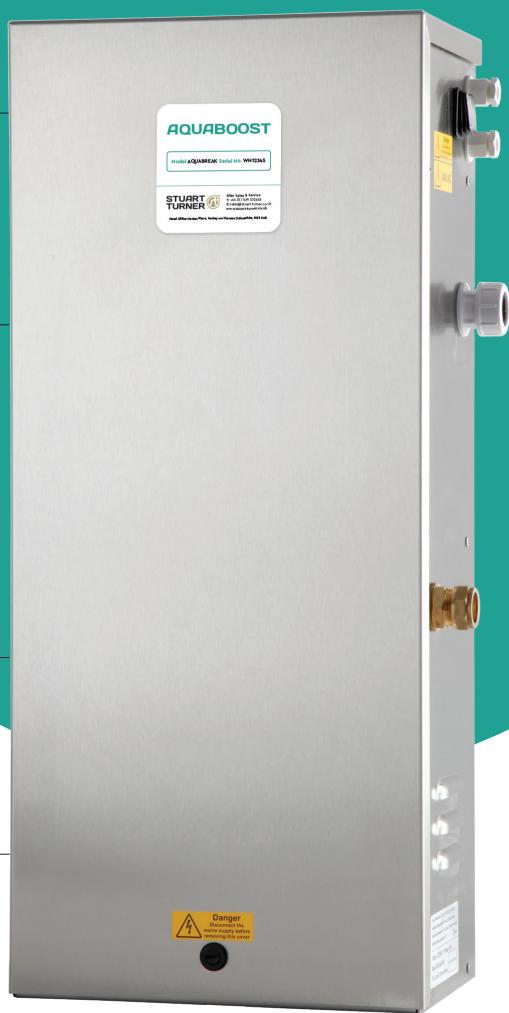
HIGH PERFORMANCE PUMP

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### APPLICATIONS

Boosting cold mains water pressure and flow in light commercial applications.

Boosting cold mains water pressure and flow in laboratories, stables, kennels, waste bin stores and wash down stations.



# AQUABOOST AQUABREAK

## AQUABREAK AB5 Cat 5 booster system

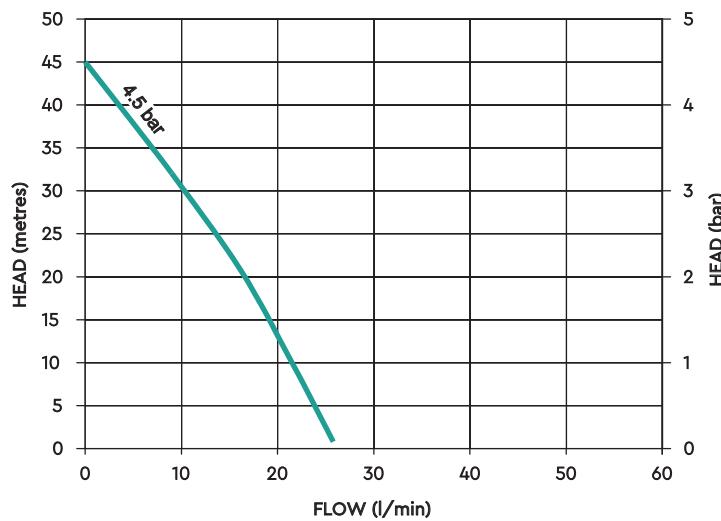
The AQUABREAK AB5 is a complete, all-in-one single outlet booster set incorporating single pump, pressure sensor, controller, control vessel, non-return valve and a 5 litre (nominal) break tank fitted with a 1/2" solenoid valve and strainer.

The electronic controller ensures that the pump starts automatically when water is consumed and stops automatically when the consumption ceases. In addition the controller protects the pump in case of faults.



- ▶ HEADS UP TO 4.5 BAR
- ▶ FLOW RATES UP TO 24 LITRES/MIN
- ▶ CAT 5 FLUID COMPATIBLE
- ▶ VARIABLE SPEED PUMP CONTROL
- ▶ STAINLESS STEEL ENCLOSURE
- ▶ 5 LITRE BREAK TANK

Part No	Model	Nominal head (bar)	Nominal flow (litres/sec)	Nominal Water Tank Size (litres)
62006	AQUABREAK AB5	2.2	0.25	5



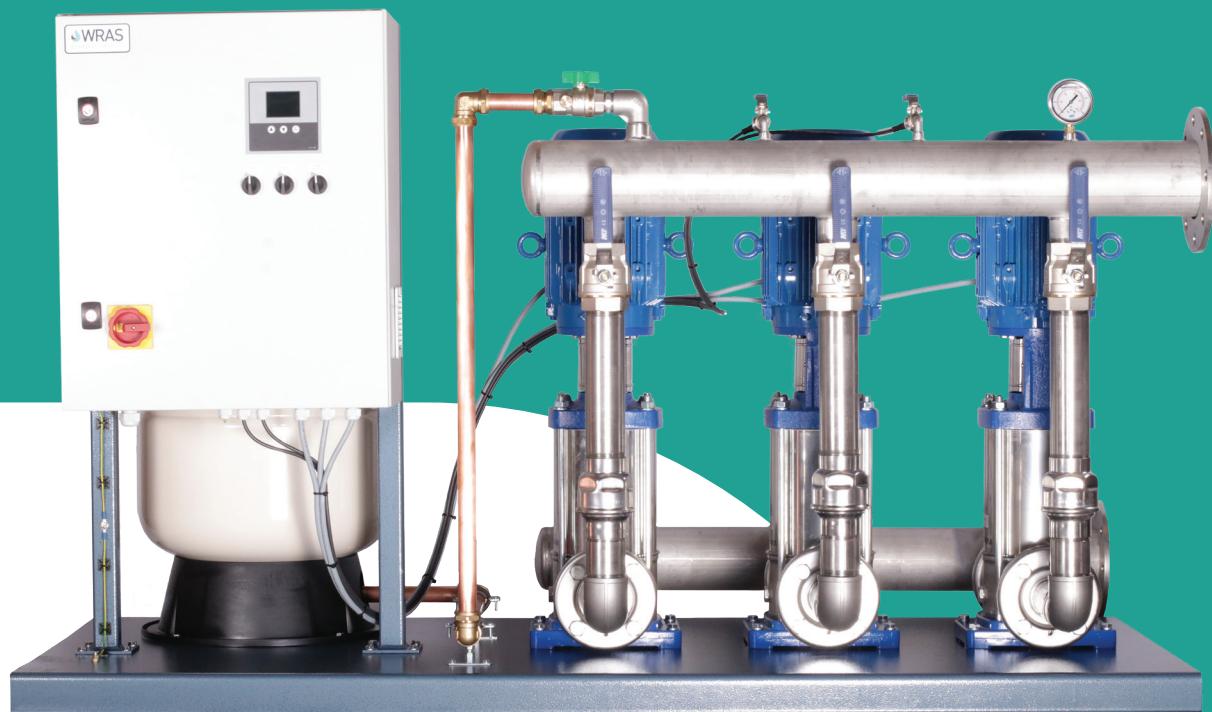
# AQUABOOST AQUABREAK AB5 SPECIFICATIONS

AQUABREAK AB5 62006		
General	Warranty	2 years
	Conformity certification	UKCA / CE
Features	Pump control system	Variable speed (electronic controller)
	Pump control mode	Duty
	Dry run protection	•
	Wall mounted	•
	Anti-vibration feet	•
	Flexible connection hose – outlet	•
	Back-flow prevention	Category 5
	Break tank capacity (nominal)	5 litres
Performance	Pump pressure (nominal)	2.2 bar
	Pump pressure (closed valve)	4.5 bar
	Pump flow (nominal)	0.25 l/sec
	Pump flow (maximum)	0.4 l/sec
	Maximum working pressure	600 kPa (6 bar)
	Maximum static inlet pressure	1 bar
	Maximum static outlet pressure	6 bar
	Maximum water temperature	35 °C
Connections	Inlet connection	½ " BSP F
	Outlet connection	22 mm compression
	Overflow	22 mm
Pump	Pump type	Peripheral
	Pump body	Brass
	Pump impeller	Brass
	Mechanical seal	Oxide
Electrical	Voltage / phase / frequency	230 V a.c. / 1 / 50 Hz
	Full load current	1.7 Amps
	Power consumption	390 W
Physical	Enclosure protection	IP54 (304 stainless steel)
	Width (including connections)	617 mm
	Width (excluding connections)	312 mm
	Depth	206 mm
	Height	700 mm
	Weight	12.5 Kg

INTRODUCING

# BESPOKE

## BOOSTING SOLUTIONS



Most installations can be satisfied from our standard range of products, however, if you need a more tailored solution our unique manufacturing facility combined with our industry partnerships and technical expertise means we can provide bespoke options specifically aimed at commercial and OEM markets.

We can even provide a dimensionally interchangeable boosting solution to suit existing pipe work or booster set footprint, therefore reducing installation time and potential cost.

# AQUABOOST BESPOKE

Our water boosting expertise ensures our products are some of the most advanced, efficient and reliable on the market.

## Booster Sets

Pump booster sets offer a more efficient solution particularly in office blocks, hotels and large residential developments where the flow rates required throughout a typical day can vary immensely.

Booster sets can range from one to six, fixed or variable speed, vertical or horizontal multistage pumps. Stuart Turner can specify and select any manufacturers pumps and will work with you to ensure the most appropriate pumps are selected for your project.

### MAB booster sets

MAB Booster Sets include single, twin and triple pump models, featuring variable speed controls and horizontal and vertical pump options.

### MARB booster sets

MARB variable speed boosters sets feature enhanced controls and are available with up to four pumps, up to 55kw offering a large range of flows and pressures.

### VARiFLO booster sets

VARiFLO booster sets feature constant pressure variable speed inverters for single & multiple pump sets constructed from a techno-polymer body suitable for drinking water applications.

## Integrated Systems

Integrated systems offer water storage facilities coupled with premium quality pumps designed to provide a continuous delivery of high water pressure and high flow rates to multiple outlets.

The range of integrated water boosting systems are available with variable speed pump controls and designed to optimise space, while providing an extremely quiet, simple to install package for multiple applications.

### IN-TANK booster systems

Variable speed 'IN-TANK' booster systems are available with 250–5000 litre cold water storage capacity, with flow rates up to 21 m<sup>3</sup>/h and heads up to 8 bar.

### Integrated booster systems

This comprehensive range of combined break tank and booster pump systems are available with a wide range of water storage capacities and are designed to compliment specific duty requirements.

### CAT 5 booster sets

CAT 5 back-flow prevention booster sets incorporating a 68 or 227 litre polypropylene break tank complete with a raised ball valve chamber with a weir overflow and an AB air gap. Larger GRP CAT 5 systems are available on request.

## Bespoke

Most installations can be satisfied from our standard range of products, however, if you need a more tailored solution, our unique manufacturing facility combined with our industry partnerships and technical expertise, means we can provide bespoke options specifically aimed at commercial and OEM markets.

Telephone: **+44 (0) 1977 801911** e-mail [aquaboost@stuart-turnerco.uk](mailto:aquaboost@stuart-turnerco.uk) or visit the contact us section of the Stuart Turner website to make an enquiry. [www.stuart-turner.co.uk](http://www.stuart-turner.co.uk)

INTRODUCING

# AQUABOOST MAB

## VARIABLE SPEED BOOSTER SETS

### OVERVIEW

The AQUABOOST MAB range of Horizontal and Vertical Booster Sets offers variable speed 1, 2 & 3 pump units capable of boosting cold water at up to 25 m<sup>3</sup>/h per pump or up to 16.0 bar pressure in many commercial applications.

The range feature stainless steel multistage pumps regulated by advanced controls. They are continuously rated, WRAS approved and supplied with a pressure vessel and stainless steel manifold assembly making them a simple to install solution for a range of domestic and commercial applications.



## AQUABOOST MAB

AQUABOOST MAB multiple pump sets are arranged for operation as duty pump, with assist/standby pump or pumps (up to three). All are programmed to run in staged cascade operation as the flow demand increases or decreases.

Utilising variable speed MAB controls, which continually vary the motor speed to match the changing flow demand pattern, whilst maintaining a constant minimum required system pressure. This mode of operation, adjusts the pump's motor speed to match the building's flow requirements and reduces the power consumption.

### PRESSURE VESSEL

### ADVANCED PUMP CONTROL SYSTEMS FEATURING BMS INTERFACE

### 1, 2 OR 3 HORIZONTAL OR VERTICAL PREMIUM QUALITY PUMPS OPTIONS

- ▶ UP TO 160 M HEAD (16 BAR PRESSURE)
- ▶ FLOW RATES UP TO 25 M<sup>3</sup>/H PER PUMP
- ▶ MAB VARIABLE SPEED CONTROL
- ▶ START UP SAFE MODE
- ▶ CONTINUOUSLY RATED

### GOOD TO KNOW

With an extensive variety of systems available the following example will help you to identify the correct product to suit your water boosting requirement.

### DID YOU KNOW

MAB Booster sets are supplied with Hand/Off/Auto switches as standard and can be supplied with anti-vibration mounting feet for further sound reduction.

AQUABOOST MAB Booster Sets feature system pressure and multi function key display, are WRAS Approved, supplied with advanced pump controls and assembled on a powder coated base frame with all the necessary valves and fittings to ensure ease of installation, efficient and reliable operation.



### PRODUCT CODE STRUCTURE EXAMPLE:

SP2V	3HM04S	MAB	M / 24
Product Prefix			
Number of Pumps			
Variable Speed			
Pump Model			
Controller Type			
Phase			
Vessel Size			

INTRODUCING

# AQUABOOST MARB

ADVANCED VARIABLE SPEED BOOSTER SETS

## OVERVIEW

The AQUABOOST MARB range of Horizontal & Vertical Booster Sets offers variable speed 2, 3 & 4 pump units capable of boosting cold water at up to 25 m<sup>3</sup>/h per pump or up to 16.0 bar pressure.

The MARB generation of variable speed panels range from 3.0 kW up to 55 kW and utilise advanced data networking and adaptive self-tuning algorithms to provide smooth and effective pump control making them ideal for a variety of commercial applications. Larger flows & pressures are available on request.



## AQUABOOST MARB

AQUABOOST MARB booster sets can be configured for duty-assist or duty-standby modes (2 pump version). Duty-assist-standby or duty-assist-assist modes (3 pump version). Duty-assist-assist- standby or duty-assist-assist-assist modes (4 pump version). All programmed to operate in rotation as flow demand increases or decreases.

Utilising advanced variable speed MARB controls, designed to conserve power consumption by continually monitoring the motor speed to match the changing flow demand, whilst maintaining a constant system pressure. Along with password protected parameter controls, featuring date stamp diagnostics to identify help and fault history.

ADVANCED MARB PUMP CONTROL FEATURING  
RS485 MODBUS INTERFACE AND 4 RELAY  
INPUTS FOR EXTERNAL BMS

2, 3 OR 4 HORIZONTAL OR VERTICAL  
PREMIUM QUALITY PUMP OPTIONS

- ▶ UP TO 160 M HEAD (16 BAR PRESSURE)
- ▶ FLOW RATES UP TO 25 M<sup>3</sup>/H PER PUMP
- ▶ MARB ADVANCED VARIABLE SPEED CONTROL
- ▶ MULTIPLE VOLT FREE CONTACTS
- ▶ START UP SAFE MODE
- ▶ CONTINUOUSLY RATED

AQUABOOST MARB Booster Sets feature graphic display with back light, multi-function control keys and LED status indicators, 8 litre pressure vessel, are WRAS Approved and assembled on a powder coated base frame with all the necessary valves and fittings to ensure ease of installation, efficient and reliable operation.



### GOOD TO KNOW

With an extensive variety of systems available the following example will help you to identify the correct product to suit your water boosting requirement.

### DID YOU KNOW

MARB Booster sets are supplied with individual pump display status as standard and can be supplied with anti-vibration mounting feet for further sound reduction.

### PRODUCT CODE STRUCTURE EXAMPLE:

SP 3 V 10SV06F MARB 24

Product Prefix	SP
Number of Pumps	3
Variable Speed	V
Pump Model	10SV06F
Controller Type	MARB
Vessel Size	24

INTRODUCING

# AQUABOOST VARiFLO



## CONSTANT PRESSURE BOOSTER SETS

### OVERVIEW

AQUABOOST VARiFLO booster sets feature constant pressure variable speed motor mounted inverters suitable for drinking water applications.

Available with one, two or three pumps, they are designed to increase the pressure of the water services within a building where the existing feed tank or incoming mains supply is not capable of supplying suitable system pressure.



## AQUABOOST VARiFLO

Incorporating VARiFLO inverter driven variable speed pumps, which continually vary the motor speed to match the changing demand, whilst maintaining a default minimum system pressure. This mode of operation, adjusting the pump's motor speed to meet the building's flow requirements, reduces the power consumption dramatically.

VARiFLO multiple pump booster sets are arranged for operation as duty pump, with assist or standby pumps, up to three pumps. They are programmed to run in a staged cascade operation as the flow demand increases.

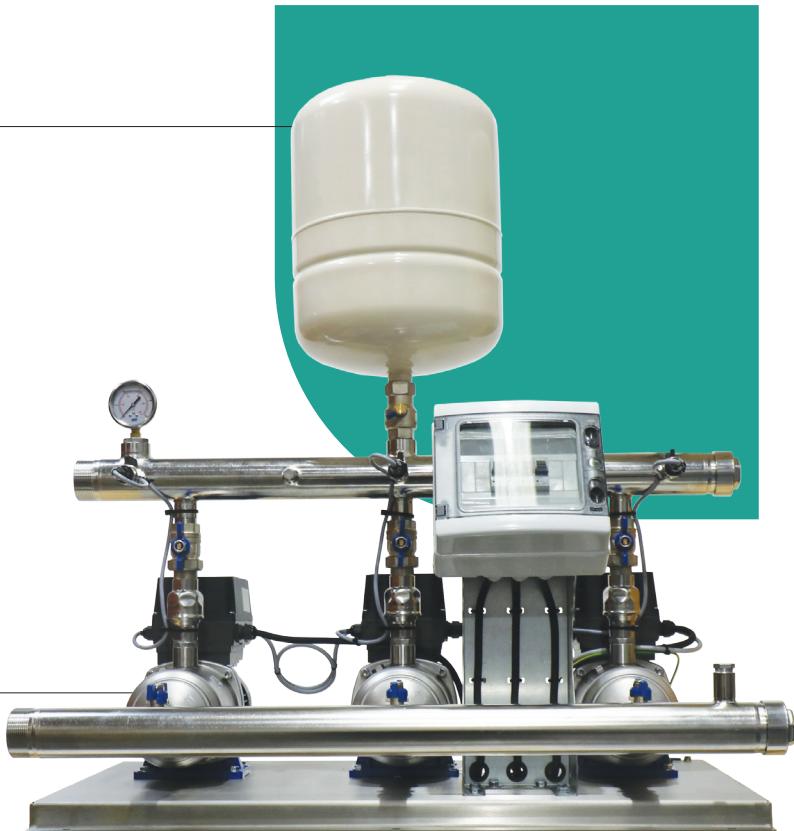
PWB 24 LITRE WRAS APPROVED PRESSURE VESSEL

- ▶ UP TO 160 M HEAD (16 BAR PRESSURE)
- ▶ FLOW RATES UP TO 13.2 M<sup>3</sup>/H PER PUMP
- ▶ VARiFLO VARIABLE SPEED INVERTERS
- ▶ BMS VOLT FREE CONTACTS
- ▶ EXTERNAL LOW WATER
- ▶ SAFETY START SLOW FILL SETTING
- ▶ DRY RUN PROTECTION

304 STAINLESS STEEL  
WRAS APPROVED HIGH QUALITY PUMPS

VARiFLO Booster Sets are built with WRAS approved materials, and supplied with 304/316 stainless steel manifolds and fittings and assembled on a common base frame with all necessary valves and fittings to ensure ease of installation.

The AQUABOOST VARiFLO range of booster sets are pending WRAS and KIWA Regulation 4 approval.



### GOOD TO KNOW

With an extensive variety of systems available the following example will help you to identify the correct product to suit your water boosting requirement.

### DID YOU KNOW

VARiFLO Booster Sets feature union fittings on suction and discharge for easy disassembly. Supplied pre-wired and pre-programmed ready for use. Optional anti-vibration mounting feet for further sound reduction available.

### PRODUCT CODE STRUCTURE EXAMPLE:

SP	2	V	3HM04S	VARiFLO	24
Product Prefix					
Number of Pumps					
Variable Speed					
Pump Model					
Controller Type					
Vessel Size					

INTRODUCING

# AQUABOOST VARiFLO CAT 5



CATEGORY 5 WATER BOOSTING SYSTEMS

## OVERVIEW

AQUABOOST VARiFLO CAT 5 water boosting systems feature a weir overflow making them suitable for use in commercial applications where the risk of back-flow contamination from Category 5 fluids exists.

**2 YEAR**  
WARRANTY

## AQUABOOST VARiFLO CAT 5

AQUABOOST VARiFLO CAT 5 systems incorporate a 68 or 227 litre polypropylene break tank complete with a raised ball valve chamber with a type AB air gap. The range features high quality, continuously rated stainless steel multistage pumps with a variable speed controls.

Category 5 backflow prevention booster sets are quiet in operation and simple to install. VARiFLO CAT 5 booster systems feature a WRAS approved mains break tank for category 5 commercial applications constructed to BS6283.

- ▶ UP TO 88 METRES HEAD
- ▶ FLOW RATES UP TO 8.5 M<sup>3</sup>/H
- ▶ HIGH CAPACITY GRP COLD WATER STORAGE OPTIONS
- ▶ CATEGORY 5 COMPATIBLE

- ▶ FIXED AND VARIABLE SPEED CONTROL OPTIONS
- ▶ AIR COOLED INVERTER
- ▶ INTEGRAL LOW WATER ALARM
- ▶ BMS VOLT FREE CONTACTS

8 LITRE WRAS APPROVED PRESSURE VESSEL

COMPACT DESIGN HIGH QUALITY COLD WATER STORAGE OPTIONS

FIXED OR VARIABLE SPEED PUMP CONTROL OPTIONS



### GOOD TO KNOW

With an extensive variety of systems available the following example will help you to identify the correct product to suit your water boosting requirement.

### DID YOU KNOW

AQUABOOST CAT 5 units are available as 68 or 227 litre option.

Contact us to find out more.

[aquaboost@stuart-turner.co.uk](mailto:aquaboost@stuart-turner.co.uk)

### PRODUCT CODE STRUCTURE EXAMPLE:

SP 1 V 3HM06S VARiFLO 8 68

Product Prefix

Number of Pumps

Variable Speed

Pump Model

Controller Type

Vessel Size

Tank Size

INTRODUCING

# AQUABOOST IN-TANK SYSTEMS

**WRAS / KIWA 4 APPROVED COMPACT  
INTEGRATED BOOSTER SYSTEMS**

## OVERVIEW

A range of WRAS / KIWA 4 Approved integrated booster systems featuring extremely quiet submersible pumps and a variety of GRP cold water storage tank options.

Despite their compact size, AQUABOOST IN-TANK water boosting systems offer impressive water storage facilities coupled with premium quality pumps, designed to provide a continuous delivery of high-water pressure and high flow rates to multiple outlets.



## AQUABOOST IN-TANK

Designed to optimise space, this range of integrated water boosting solutions are available with variable speed pump options and provide an extremely quiet, simple to install package for both large domestic and commercial applications.

- ▶ UP TO 8.4 BAR HEAD
- ▶ FLOW RATES UP TO 7.2 M<sup>3</sup>/H PER PUMP
- ▶ 250 – 5000 LITRE COLD WATER STORAGE OPTIONS

INTELLIGENT VARIABLE SPEED CONTROLS

8 – 24 LITRE PRESSURE VESSEL OPTIONS

25 mm THERMALLY INSULATED  
REINFORCED GRP CONSTRUCTION TANKS

AQUABOOST IN-TANK systems are fully WRAS and KIWA regulation 4 approved, and supplied ready to install.



### GOOD TO KNOW

With an extensive variety of systems available the following example will help you to identify the correct product to suit your water boosting requirement. All models are available with Type AB or AG air gap on request.

### DID YOU KNOW

AQUABOOST IN-TANK systems can be configured for duty only (1 pump system). Duty-standby or duty-assist (2 pump systems) & Duty-assist-assist or standby (3 pumps systems). All our models are extremely quiet making them ideal for larger domestic properties and commercial applications.

### PRODUCT CODE STRUCTURE EXAMPLE:

Product Prefix	IT	2	V	8048	MAB	M	/ 24	1000AB
Number of Pumps								
Variable Speed								
Pump Model								
Controller Type								
Phase								
Vessel Size								
Tank Size								
Tank Air Gap								

INTRODUCING

# AQUABOOST INTEGRATED BOOSTER SYSTEMS

## BREAK TANK AND BOOSTER PUMP SYSTEMS

### OVERVIEW

A range of integrated break tanks and pump booster set systems featuring an GRP cold water break tank sited either above or to the side of the booster set.

Where space is limited, tanks can be gantry mounted or supplied as a two piece split tank unit, making them an ideal option for small plant rooms or where access may be limited.



## AQUABOOST INTEGRATED

AQUABOOST INTEGRATED booster systems offer an extensive range of break tank sizes and configuration options, designed to suit the application, available space and site access limitations. The range features variable speed single or multiple pump options and provides a simple to install package for commercial applications.

- ▶ UP TO 160 M HEAD (16 BAR PRESSURE)
- ▶ FLOW RATES UP TO 25 M<sup>3</sup>/H PER PUMP
- ▶ EXTENSIVE COLD WATER STORAGE OPTIONS

AQUABOOST integrated booster systems utilise WRAS Approved booster sets and cold water storage tanks. They are supplied as a powder coated, solid box section ready to install.

- ▶ SINGLE, TWIN AND THREE PUMP OPTIONS
- ▶ INTELLIGENT VARIABLE SPEED CONTROLS
- ▶ CONTINUOUSLY RATED

WRAS APPROVED SIDE OR GANTRY MOUNTED TANK OPTIONS

1, 2 OR 3 QUALITY PUMP OPTIONS



### GOOD TO KNOW

With an extensive variety of systems available the following example will help you to identify the correct product to suit your water boosting requirement.

### DID YOU KNOW

AQUABOOST INTEGRATED booster systems are available as an AG or AB air gap option, with overflow connections designed to comply with UK water regulations.

### PRODUCT CODE STRUCTURE EXAMPLE:

SP 2 V 3HM04S M / 24 AGAP1000

Product Prefix	SP
Number of Pumps	2
Variable Speed	V
Pump Model	3HM04S
Controller Type	M
Vessel Size	/ 24
Tank Size	AGAP1000

INTRODUCING

# PANEL RETROFIT



## ACCESSORIES

We offer an extensive range of accessories including anti-vibration feet, pump and booster set mounts, hydraulic kits and flexible hose couplings, along with ancillary products to compliment the installation.

For a full listing and further information visit [stuart-turner.co.uk](http://stuart-turner.co.uk)



## AQUABOOST PANEL RETROFIT

AQUABOOST MAB & MARB variable speed control panels are an ideal retro-fit to existing installations. Our comprehensive range of panels start at 0.75 kW and are available up to 55 kW for up to 4 pumps.

- ▶ SPEED CONTROL FOR 1 TO 4 PUMP UNITS
- ▶ PASSWORD PROTECTION
- ▶ SAFETY 'SOFT START' FUNCTION

The air-cooled inverters are all mounted in an enclosure complete with door interlocked isolator ready to connect the electrical supply, pumps and transducers.

- ▶ HAND / OFF /AUTO SWITCHES AS STANDARD
- ▶ ADJUSTABLE PRESSURE MONITORING
- ▶ PRESSURE TRANSDUCER CONNECTIONS

### GOOD TO KNOW

AQUABOOST control panels are can be wall mounted or free standing on a panel stand to suit your water boosting requirement. Multiple Systems over 4 pumps are available on request.

### DID YOU KNOW

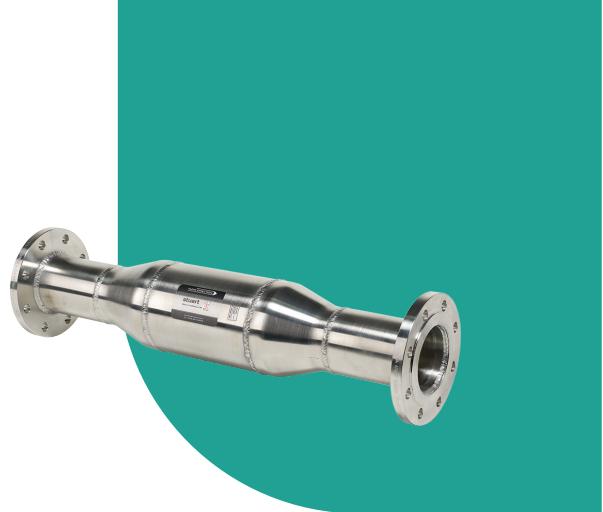
Some clients even remove the existing panel and mount our panel in its place.

Contact us to find out more [aquaboom@stuart-turner.co.uk](mailto:aquaboom@stuart-turner.co.uk)



## WATER CONDITIONERS

A range of highly effective catalytic-magnetic water conditioning units, developed specifically for commercial and industrial applications, the STUART Water Conditioner CM combines a unique catalytic alloy core with an array of powerful magnets to effectively prevent hard limescale deposits from forming. Available in a range of sizes optimised to meet the flow rate requirements of commercial properties, industrial plant and processes, they offer a maintenance free solution and are simply installed in-line with the existing pipework.



# AQUABOOST CASE STUDY

We provide a comprehensive water boosting capability from a standard single pump to bespoke solutions to meet the water supply demands of even the largest commercial buildings.



## COVID-19 Response for HMP Prison Service

With limitations of the UK Prison service well documented, COVID 19 presented a particular challenge to the operators of prisons around the country. Steps needed to be taken to ensure the safety of both prisoners and staff which resulted in an additional temporary building to be constructed, to improve social distancing and enable effective isolation of those infected.

Each structure naturally requires amenities such as running water and electricity. Part of the increased supply of facilities required a number of cold water boosting sets to be specified, designed and built on a particularly short lead time.

Stuart Turner received an enquiry for three sets on Friday the 24th April 2020. We had a conversation with the contractor on site to gain all the information required and returned quotes later that evening.

An order was placed early Monday in order to have the completed sets despatched on Wednesday, ready for delivery and installation on Thursday.



## Customer Comment

*"I just wanted to pass on my thanks for the way in which you dealt with my enquiry and order last week. Being in a difficult time, I just wanted to say thank you for the speed of quotation, order and delivery of the three booster sets and tanks you put together for me. The service was some of the best I have seen in the industry lately, even taking calls out of hours. Please pass my thanks to the team that managed to get everything out the door so quickly and efficiently!"*



# AQUABOOST CASE STUDY

We provide a comprehensive water boosting capability from a standard single pump to bespoke solutions to meet the water supply demands of even the largest commercial buildings.



## Dimensionally Interchangeable Booster Set

Following an urgent enquiry for a bespoke build for a large hotel chain, our Technical Product Director Jonathan Gray was in the area and managed to visit the site on the day of installation.

The issue was a large old booster set that required decommissioning and removing from the plant room before the new SP3V-22SV04F040T-MARB/100 could be sited and installed.

The contractor wasn't allowed to turn the water off until 10.00 am and was instructed that the water needed to be back on by 15.00 at the latest, as the hotel had key workers as guests. So the pressure really was on!

The team had the water back on to the hotel by lunch time, 2 hours to be exact from start to finish. This shows the big advantage of having a bespoke booster set that will fit straight in especially when it uses large DN100 pipe work.

### Customer Comment

*"We were once again delighted with the quality of the Bespoke AQUABOOST Booster set supplied including the changeover and the efficiency of the installation team that attended site".*



### For further information contact:

[aquaboost@stuart-turner.co.uk](mailto:aquaboost@stuart-turner.co.uk)  
+44 (0) 1977 801911  
[stuart-turner.co.uk](http://stuart-turner.co.uk)

## NOTES

## NOTES

# Our brands Powering water for all applications

Stuart Turner offer a comprehensive range of solutions, specifically designed to suit a variety of applications in both domestic and commercial markets.

Invest in a name you can trust – quality, reliability, innovation and customer service.

## AQUABOOST

Standard and bespoke booster sets

### Why AQUABOOST?

AQUABOOST offers a comprehensive range of integrated pump and water storage solutions designed to optimise space. Supplied as a ready to install packaged product, they deliver improved performance from unvented water cylinders and combination boilers. Ideal for larger domestic, and commercial applications. The possibilities are endless.



## MAINSBOOST

Mains water pressure boosting solutions

### Why MAINSBOOST™?

MAINSBOOST™ Water Performance Systems are specifically designed to stabilise water pressure and dramatically improve water flow rates to all direct on mains appliances. They deliver improved performance from unvented water cylinders, combination boilers and high performance shower heads, allowing multiple outlets to run simultaneously.



## MONSOON

Whole house, bathroom and shower pumps

### Why MONSOON?

MONSOON is the benchmark for high performing, quality brass pumps available on the market. This comprehensive range is specifically designed to meet the demands of a host of domestic and light commercial applications in vented systems, from a single tap and shower to a complete bathroom or the whole property.



## SHOWERMATE

Single outlet or bathroom shower pump

### Why SHOWERMATE?

SHOWERMATE offers a range of high quality plastic pumps providing an effective solution to boost the performance of a single tap, shower or complete bathroom. Suitable for water pressure and flow boosting applications within properties featuring a vented plumbing system.



## WASTEFLO

Waste water removal

### Why WASTEFLO?

WASTEFLO offers a variety of products to simply and efficiently remove waste water from your home or commercial building, allowing you to create a bathroom, wet room, kitchen or utility room anywhere a connection using gravity to the main soil/waste pipe is not possible.



## STUART

Circulators, pressurisation units, heating products, water conditioners and pumps

### Why STUART?

STUART consists of a range of circulators, pressurisation units, heating related products, water conditioners and a diverse range of water pumps, along with associated accessories and controls. Every product has been designed to provide high levels of performance and reliability.



#POWERINGWATER

# HOT WATER SORTED.

## STUART PULSE HEATING & HOT WATER CIRCULATORS

Electronically controlled high-efficiency circulators for heating, air conditioning, cooling and sanitary water. Stuart Pulse Circulators offer five different control modes plus an automatic operation function an EEI rating from just 0.20 and are ErP compliant.



STUART-TURNER.CO.UK



# POWERING WATER FOR EVERY APPLICATION

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Part No: 01201  
Issue No: 2022-01-04

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#POWERINGWATER