

Stuart offers a range of solutions for water transfer, pressure boosting and submersible pump applications. Together with water conditioning, pressurisation units and a range of high quality unvented hot water cylinders.

Most installations can be satisfied from our standard range of products which can be found over the following pages. However if you need a more tailored solution, Stuart Turner's unique manufacturing facility, combined with over 110 years of unrivalled technical expertise means we can provide customised solutions specifically aimed at the commercial and OEM markets.

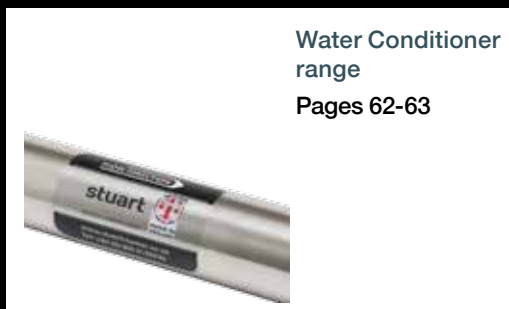


<p>Every product within the Stuart range has been designed to provide high levels of performance, quality and reliability.</p>	<p>Over 110 years of unrivalled engineering and technical excellence allows us to be able to offer bespoke options to suit your requirements.</p>	<p>Centrifugal Peripheral Top/end suction Water conditioning Hot water storage Pressurisation units</p>
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Pumps for every commercial sector

Product ranges

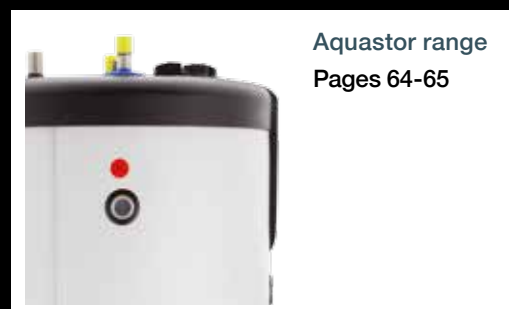
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Water Conditioner
range
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Aquastor range
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range
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Our commercial sales team will be happy to discuss your requirements. Telephone 01491 572655 or e-mail info@stpumps.co.uk

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

For further advice on selecting the correct product call:

pumpassist
HELPLINE +44 (0) 800 31 969 80

mainsboost

aquaboost

stuart

Water Conditioner **Catalytic**

WRAS approved and designed to ensure limescale prevention in domestic properties, including water outlets and household appliances. The Stuart range of Water Conditioners offer a solution to match the typical water flow from the cold water mains to the property and are simply installed in-line with the existing pipework and are completely maintenance free.



Part No	Model	Connection	
		Type	Size mm
44617	Water Conditioner C3-22	Compression	15/22
44618	Water Conditioner C23-45	Compression	22
44619	Water Conditioner C46-75	Compression	28

Water Conditioner **Catalytic/Magnetic**

WRAS approved and developed specifically for commercial and industrial applications, the Stuart Water Conditioner CM combines an 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.



Part No	Model	Connection	
		Type	Size
44735	Water Conditioner CM23-45	BSP	3/4"
44737	Water Conditioner CM46-75	BSP	1"
44728	Water Conditioner CM76-115	BSP	1 1/4"
44729	Water Conditioner CM116-170	BSP	1 1/2"
44632	Water Conditioner CM171-265	BSP	2"
44730	Water Conditioner CM266-360	PN16 flange	65 mm
44731	Water Conditioner CM361-685	PN16 flange	80 mm
44732	Water Conditioner CM686-1260	PN16 flange	100 mm

"Stuart water conditioners prevent limescale throughout the property, including water outlets and household appliances with the added bonus that water remains drinkable straight from the tap. They offer a cost effective, environmentally friendly, maintenance free solution which is guaranteed for 10 years!"



Water Conditioners

stuart

Stuart Water Conditioner Range

Catalytic Water Conditioners

Developed specifically for domestic plumbing applications and feature an unique catalytic alloy core which effectively prevents hard limescale deposits from forming.



Catalytic Magnetic Water

Conditioners developed for commercial and industrial applications and combine a unique catalytic alloy core with an array of powerful magnets to effectively prevent limescale from forming.



Water Conditioners are available in a range of sizes optimised to meet the flow rate requirements of the property, commercial building or industrial plant.

Stuart Catalytic Magnetic Water Conditioners can play an effective role in achieving compliance with Part L Building Regulations.



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Pressure Fill

A range of wall mounted auto-fill heating system pressurisation units designed for use on sealed heating system applications to meet building regulations.

Please note: These units are not suitable for use with potable water.

Part No	Model	Max Delivery Pressure
44603	SPF WMDA 1-1	2.5 bar
44604	SPF WMDA 2-3	2.5 bar



Aquastor **Sigma** Unvented Cylinder

The Aquastor Sigma range offers high quality, highly efficient hot water cylinders designed with larger heating coils than standard unvented hot water cylinders, allowing them to heat water quickly to meet frequent hot water demand. They are specifically designed to meet high demand applications and can be installed in multiple units to cater for large commercial applications such as hotels and sports clubs.

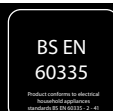
Part No	Model	Capacity ltrs	Coil Rating Kw
44576	SAS 250 F1	245	26.5
44577	SAS 300 F1	284	26.5
44578	SAS 380 F1	372	26.5



Aquastor **Amega** Unvented Cylinder

The range of Aquastor Amega products offer 'tank-in-tank' technology to deliver even greater hot water performance. These cylinders are capable of heating large quantities of water within a very short time making them ideal for large commercial and industrial applications where a large volume of hot water is required and where demand can peak at different times.

Part No	Model	Capacity ltrs	Heat Exchanger m ²
44562	SAA 210	203	1.5
44563	SAA 240	242	1.9
44564	SAA 300	293	2.3
44565	SAA 320	318	2.7
44566	SAA 420	413	3.2
44567	SAA 600	606	3.6



Pressure Fill and Unvented Cylinder range

stuart

Pressure Fill Range

Stuart Pressure Fill units feature a user friendly control keypad and display, enabling simple setting of system pressure and performance parameters.

SPF WMDA 1-1 is suitable for use for applications featuring a boiler output up to 60 kW, whilst SPF WMDA 2-3 is suitable for boiler output over 60 kW.

These units are not suitable for use with unvented systems.



Unvented Cylinder Range

Aquastor Sigma and Amega.

The Aquastor Sigma range achieves high levels of performance due to its low heat loss eco foam insulation and large volume heating coils.

The unique features of the Aquastor Amega enable a reduction in the size of the hot water cylinder with corresponding savings in space, energy consumption and running costs.

Each cylinder is supplied with a fully compliant G3 installation kit, incorporating an adjustable 5.0 bar pressure regulating valve enabling enhanced pressure and delivery performance to meet even the most demanding of applications.



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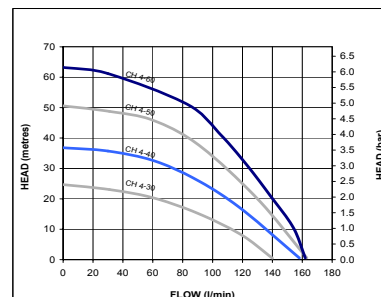
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CH Multistage

The CH range of pumps are ideal for pressure boosting in applications where long pipe runs or high heads may be involved. The range is suitable for commercial or domestic use, pumping hot or cold water.



Part No	Model	Impeller	Seal
46553	CH 4-30	S/Steel	EPDM/Car/Cer
46554	CH 4-40	S/Steel	EPDM/Car/Cer
46555	CH 4-50	S/Steel	EPDM/Car/Cer
46556	CH 4-60	S/Steel	EPDM/Car/Cer

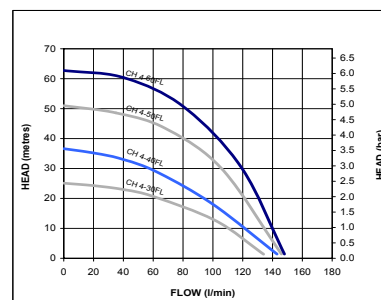


CH Multistage **Automatic Flow Switch**

Ideal for water pressurisation to outlets in a positive head application, where an instant boosted supply is required from a simple to install package. Suitable for commercial or domestic use, pumping hot or cold water.



Part No	Model	Impeller	Seal
46578	CH 4-30 FL	S/Steel	EPDM/Car/Cer
46596	CH 4-40 FL	S/Steel	EPDM/Car/Cer
46605	CH 4-50 FL	S/Steel	EPDM/Car/Cer
46606	CH 4-60 FL	S/Steel	EPDM/Car/Cer

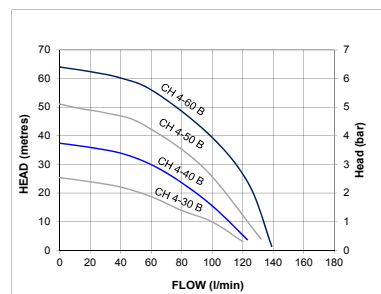


CH Multistage **Boostamatic Pressure Switch**

Designed to provide a pressurised water supply from a break tank in either a positive or negative head application, as it does not rely on gravity flow to activate. Suitable for commercial or domestic use, pumping hot or cold water and supplied with G 1 flexible hoses and adaptors.



Part No	Model	Impeller	Seal
46593	CH 4-30 B	S/Steel	EPDM/Car/Cer
46594	CH 4-40 B	S/Steel	EPDM/Car/Cer
46595	CH 4-50 B	S/Steel	EPDM/Car/Cer
46610	CH 4-60 B	S/Steel	EPDM/Car/Cer



CH multistage range

CH range

Centrifugal Horizontal Multistage Pumps

The CH range of brass and stainless steel pumps provide a high quality and reliable solution for applications that require high flow rates and high heads.

The range includes Automatic Flow Switch and Boostamatic Pressure Switch versions.

2-5 stage pumps are available providing flow rates of up to 160 litres/minute and heads up to 62 metres.

Pump connection sizes:

Inlet G 1½ Female

Outlet G 1 Female

Motor specification: 230/1/50

Key to seal options

EPDM/Car/Cer - EPDM/Carbon/Ceramic

Long life seal suitable for general purpose applications



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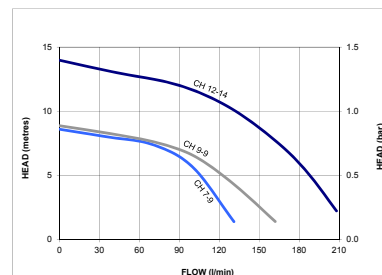


WRAS
APPROVED
MATERIALS

CH Single Stage

The CH single stage range of centrifugal pumps is designed for liquid transfer, pressure boosting or distribution of clean, fresh water. Other clean, non aggressive, non explosive liquids with similar characteristics to water may be pumped.

Part No	Model	Impeller	Seal
46372	CH 7-9	Plastic	EPDM/PTFE/Al.Oxide
46374	CH 9-9	Plastic	EPDM/PTFE/Al.Oxide
46379	CH 12-14	Plastic	EPDM/PTFE/Al.Oxide

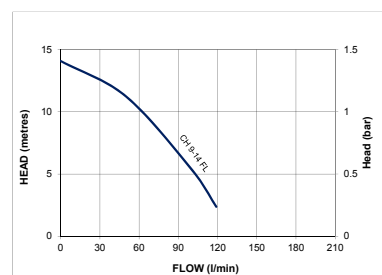


WRAS
APPROVED
MATERIALS

CH Single Stage Automatic Flow Switch

Ideal for the pressurisation of water to outlets in a positive head application where an instant boosted supply is required from a simple to install package. The range is suitable for commercial or domestic use, pumping hot or cold water and supplied with G 1 flexible hoses.

Part No	Model	Impeller	Seal
46387	CH 9-14 FL	Plastic	EPDM/PTFE/Al.Oxide

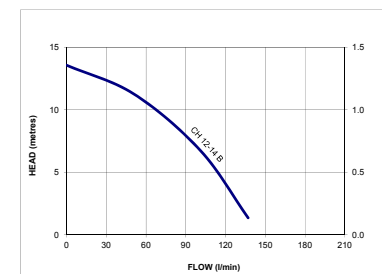


WRAS
APPROVED PRODUCT

CH Single Stage Boostamatic Pressure Switch

Designed to provide a pressurised water supply from a break tank in either a positive or negative head application, as it does not rely on gravity flow to activate. The range is suitable for commercial or domestic use, pumping hot or cold water and supplied with G 1 flexible hoses.

Part No	Model	Impeller	Seal
46349	CH 12-14 B	Plastic	EPDM/PTFE/Al.Oxide

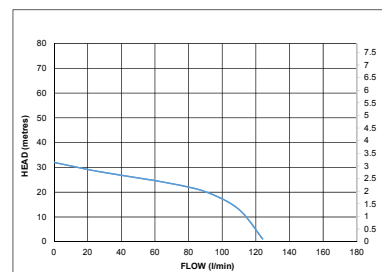


1 year
Guarantee

CH Single Stage CI

The CH Cast Iron pump is a compact, high performance pump designed for continuous operation and will deliver flow rates up to 120 litres per minute and heads up to 32 metres.

Part No	Model	Impeller	Seal
46671	CH 3-30 CI	S/Steel	Nit/Car/Cer



2 year
Guarantee



BS EN
60335



CH single stage range

CH range

Centrifugal Single Stage Pumps

CH single stage brass pumps feature horizontal suction and vertical delivery connections.

The range includes Automatic Flow Switch and Boostamatic Pressure Switch versions.

3 motor sizes are available providing flow rates of up to 210 litres/minute and heads up to 14 metres.

Pump connection sizes:

Inlet G 1 Female

Outlet G 1 Female

Motor specification: 230/1/50

Key to seal options

EPDM/PTFE/Al.Oxide - EPDM/PTFE/Aluminium Oxide
Extended life seal suitable for general purpose applications

Centrifugal Cast Iron Pumps

The CH cast iron pump provides an entry level solution, where a flow of up to 120 litres/minute and heads up to 32 metres are required.



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For further advice on selecting the correct pump call:

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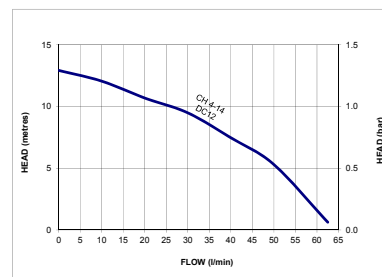
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CH DC 12 V

The compact size and robust construction of these pumps, combined with a range of features, including heavy duty d.c. motors offer the ideal solution to demanding pumping problems.



Part No	Model	Impeller	Seal
46164	CH 4-14 DC12	Plastic	EPDM/PTFE/Al.Oxide
46166	CH 4-14 DC12	Brass	EPDM/PTFE/Al.Oxide
46167	CH 4-14 DC12	Brass	Vit/Car/Sil

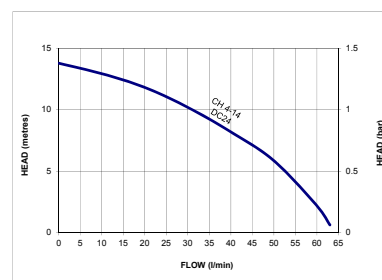


CH DC 24 V

The compact size and robust construction of these pumps, combined with a range of features, including heavy duty d.c. motors offer the ideal solution to demanding pumping problems.



Part No	Model	Impeller	Seal
46212	CH 4-14 DC24	Plastic	EPDM/PTFE/Al.Oxide
46168	CH 4-14 DC24	Brass	EPDM/PTFE/Al.Oxide
46169	CH 4-14 DC24	Brass	Vit/Car/Sil



CH DC range

CH DC range

Centrifugal Pumps

CH DC centrifugal pumps provide compact and robust 12 or 24 V d.c. motors with a choice of material options making them suitable for a host of applications.

Options include a choice of plastic or brass impellers and extended life seals.

12 V or 24 V d.c. motors are available providing flow rates of up to 63 litres/minute and heads up to 14 metres.

Pump connection sizes:

Inlet G 3/4 Female

Outlet G 3/4 Female

Key to seal options

EPDM/PTFE/Al.Oxide - EPDM/PTFE/Aluminium Oxide
Extended life seal suitable for general purpose applications

Vit/Car/Sil - Viton/Carbon/Silicon Carbide
Extended life seal suitable for light non aggressive chemicals



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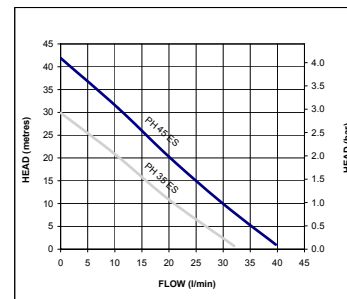
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PH ES

The range of PH ES peripheral pumps is designed to pump clean, fresh water. Other non aggressive, non explosive liquids with similar characteristics to water may be pumped. The range can be used for pressure boosting, liquid transfer and distribution. They are also suitable for flooded suction applications.



Part No	Model	Impeller	Seal
46563	PH 35 ES	Brass	EPDM/PTFE/Al.Oxide
46451	PH 35 ES	Brass	Vit/Car/Sil
46564	PH 45 ES	Brass	EPDM/PTFE/Al.Oxide
46454	PH 45 ES	Brass	Vit/Car/Sil

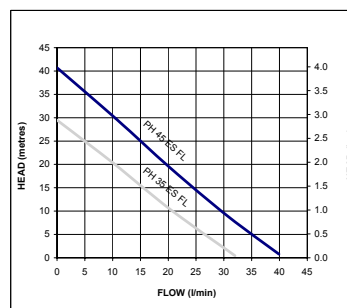


PH ES Automatic Flow Switch

Ideal for the pressurisation of water to outlets in a positive head application, where an instant boosted supply is required from a simple to install package. The range is suitable for commercial and domestic use, pumping hot or cold water.



Part No	Model	Impeller	Seal
46566	PH 35 ES FL	Brass	EPDM/PTFE/Al.Oxide
46567	PH 45 ES FL	Brass	EPDM/PTFE/Al.Oxide

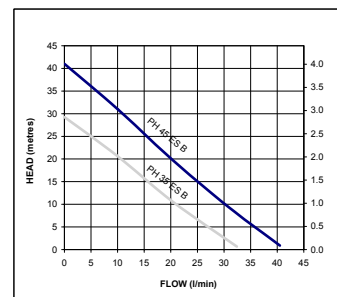


PH ES Boostamatic Pressure Switch

Designed to provide a pressurised water supply from a break tank in either a positive or negative head application, as it does not rely on gravity flow to activate. The range is suitable for commercial or domestic use, pumping hot or cold water.



Part No	Model	Impeller	Seal
46523	PH 35 ES B	Brass	EPDM/PTFE/Al.Oxide
46524	PH 45 ES B	Brass	EPDM/PTFE/Al.Oxide

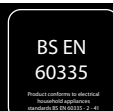
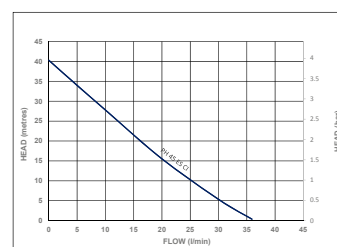


PH ES CI

The PH Cast Iron pump is designed for continuous operation at 5 litres/minute and above. This compact, high performance pump delivers flow rates up to 36 litres per minute and heads up to 40 metres.



Part No	Model	Impeller	Seal
46669	PH 35 ES CI	Brass	Nit/Car/Cer



PH ES range

PH ES range

Peripheral Pumps

PH ES brass pumps feature end suction and vertical delivery connections.

The range includes Automatic Flow Switch, Boostamatic Pressure Switch versions and a Cast Iron variant all with extended life seal options.

2 motor sizes are available providing flow rates of up to 40 litres/minute and heads up to 42 metres.

Pump connection sizes:

Inlet G 1 Female

Outlet G 1 Female

Motor specification: 230/1/50

Key to seal options

EPDM/PTFE/Al.Oxide - EPDM/PTFE/Aluminium Oxide
Extended life seal suitable for general purpose applications

Vit/Car/Sil - Viton/Carbon/Silicon Carbide
Extended life seal suitable for light non aggressive chemicals

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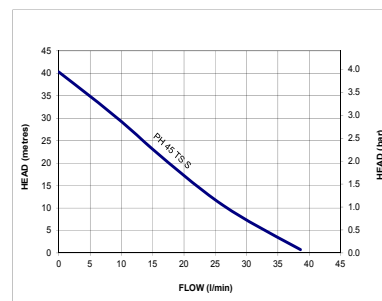
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PH TS Stainless Steel

Designed for continuous use, the stainless steel peripheral range is ideal for handling non-abrasive liquids and is developed specifically for beer, lager or cider dispensing. Also used for pumping demineralised water.



Part No	Model	Impeller	Seal
46628	PH 45 TS S	S/Steel	EPDM/PTFE/Al.Oxide
46629	PH 45 TS S	S/Steel	Vit/Car/Sil

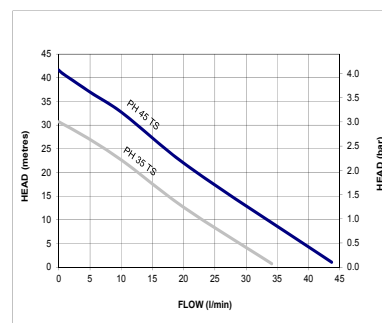


PH TS

The PH range is particularly suitable where space is at a premium to pump clean, fresh water. Other clean non aggressive, non explosive liquids with similar characteristics to water may be pumped.



Part No	Model	Impeller	Seal
46496	PH 35 TS	Brass	EPDM/PTFE/Al.Oxide
46445	PH 35 TS	Brass	Vit/Car/Sil
46504	PH 45 TS	Brass	EPDM/PTFE/Al.Oxide
46448	PH 45 TS	Brass	Vit/Car/Sil

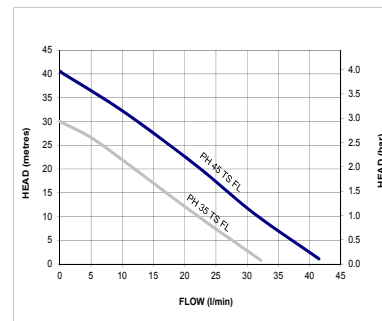


PH TS Automatic Flow Switch

Ideal for the pressurisation of water to outlets in a positive head application, where an instant boosted supply is required from a simple to install package. The range is suitable for commercial and domestic use, pumping hot or cold water.



Part No	Model	Impeller	Seal
46522	PH 35 TS FL	Brass	EPDM/PTFE/Al.Oxide
46530	PH 45 TS FL	Brass	EPDM/PTFE/Al.Oxide



PH TS range

PH TS range

Peripheral Pumps

PH TS brass pumps feature top suction and vertical delivery connections as well as a stainless steel pump option for more specialised applications.

The range includes Automatic Flow Switch versions and extended life seal options.

2 motor sizes are available providing flow rates of up to 44 litres/minute and heads up to 42 metres.

Pump connection sizes:

Inlet G ¾ Female

Outlet G ¾ Female

Stainless Steel - Inlet and Outlet G ¾ Male

Motor specification: 230/1/50

Key to seal options

EPDM/PTFE/Al.Oxide - EPDM/PTFE/Aluminium Oxide
Extended life seal suitable for general purpose applications

Vit/Car/Sil - Viton/Carbon/Silicon Carbide
Extended life seal suitable for light non aggressive chemicals

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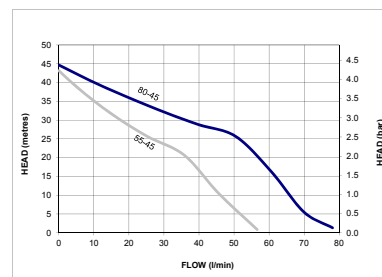
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Jet

Ideal for the high pressure delivery of clean non-potable water from a water tank/cistern. Jet pumps will self prime up to 5 metres and are supplied with a carry handle, a manual on/off switch and power lead fitted with a 13 amp fused plug. The range is suitable for general purpose use, pumping cold water.



Part No	Model	Impeller	Seal
46587	55-45	Plastic	EPDM/Car/Cer
46588	80-45	Plastic	EPDM/Car/Cer

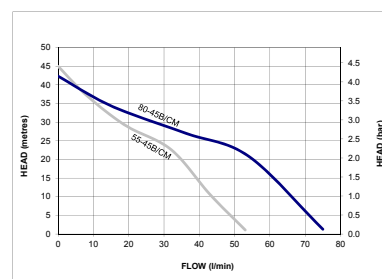


Jet Boostamatic

Ideal for the high pressure delivery of clean non-potable water from a water tank/cistern in either a positive or negative head application. Jet Boostamatic pumps provide fully automatic pressure/flow switch control and are supplied with a power lead fitted with a 13 amp fused plug. The range is suitable for general purpose use, pumping cold water.



Part No	Model	Impeller	Seal
46619	55-45 B	Plastic	EPDM/Car/Cer
46620	80-45 B	Plastic	EPDM/Car/Cer

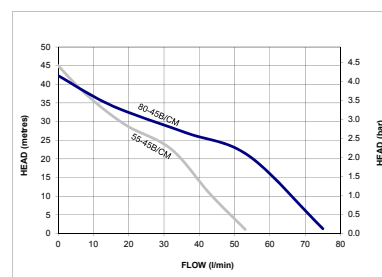


Jet Control Module

Ideal for the high pressure delivery of clean non-potable water from a water tank/cistern. The integrated control module automatically detects a drop in pressure or flow and switches the pump on making it suitable for both positive and negative head applications. Jet pumps will self prime up to 5 metres and are supplied with a carry handle, a manual on/off switch and power lead fitted with a 13 amp fused plug. The range is suitable for general purpose use, pumping cold water.



Part No	Model	Impeller	Seal
46639	55-45 CM	Plastic	EPDM/Car/Cer
46640	80-45 CM	Plastic	EPDM/Car/Cer



Jet range

Jet range

Centrifugal Pumps

Jet pumps provide a cost effective solution where high flow and high pressure is required and are ideal for a host of general purpose applications.

The range includes Boostamatic Pressure Switch and Control Module versions.

2 motor sizes are available providing flow rates of up to 80 litres/minute and heads up to 45 metres.

Pump connection sizes:

Inlet G 1 Female

Outlet G 1 Female

Motor specification: 230/1/50

Key to seal options

EPDM/Car/Cer - EPDM/Carbon/Ceramic

Long life seal suitable for general purpose applications



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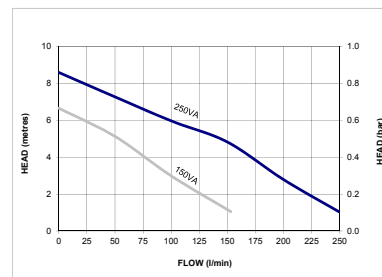
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Supersub 150VA and 250VA

Designed to pump solids up to 5 mm and can be used in either automatic or manual modes. Complete with integral float switch. The Supersub 250VA can also be supplied within a Flood Kit. The Flood Kit contains a Supersub 250VA submersible pump, a reusable plastic container, 15 m of lay-flat hose and hose connector.



Part No	Model	Impeller	Seal
46538	Supersub 150VA	Plastic	Double Lip
46539	Supersub 250VA	Plastic	Double Lip
46638	Flood Kit	Refer to technical data sheet	

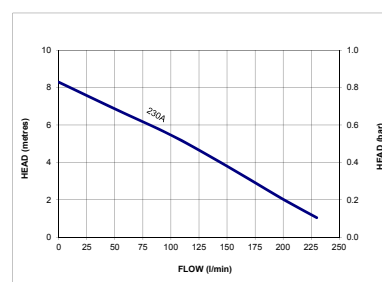


Supersub 230A

Designed to pump solids up to 5 mm and supplied with an externally fitted floating switch.



Part No	Model	Impeller	Seal
46540	Supersub 230A	Plastic	Double Lip

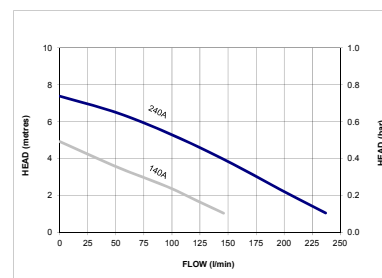


Supervort 140A and 240A

Designed to pump solids up to 20 mm and supplied with externally fitted floating switch.



Part No	Model	Impeller	Seal
46541	Supervort 140A	Plastic	Double Lip
46542	Supervort 240A	Plastic	Double Lip



Stuart Turner also offer Lay Flat Hoses, compatible with our submersible range. Details can be found in the accessories section on page 83



Submersible range

Submersible range

Supersub and Supervort

The five Supersub and Supervort models are designed for the transference of non foul water and are suitable for use with both clean and grey water.

The entire range feature stainless steel motor shells, are compact in design, easy to install and come complete with float switches and a stepped hose connector (25 mm, 32 mm or 38 mm)

Motor specification: 230/1/50

Key to seal options

Double Lip

Long life nitrile seal



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

For further advice on selecting
the correct pump call:

pumpassist

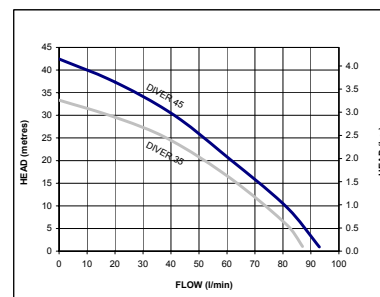
HELPLINE +44 (0) 800 31 969 80

Diver

Designed to lift clean water where high pressure is required and comes with an externally fitted floating switch to protect against running dry.



Part No	Model	Impeller	Seal
46585	Diver 35	Plastic	Nit/Car/Cer
46586	Diver 45	Plastic	Nit/Car/Cer

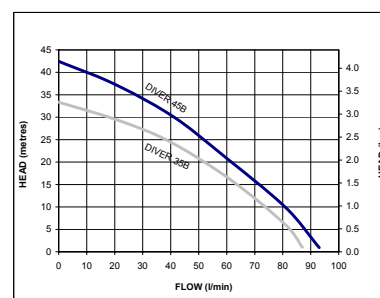


Diver **Boostamatic**

Designed to lift clean water where high pressure is required and comes with an externally fitted floating switch. Supplied with a Boostamatic Control Module, located remotely, to provide automatic control.



Part No	Model	Impeller	Seal
46611	Diver 35 B	Plastic	Nit/Car/Cer
46612	Diver 45 B	Plastic	Nit/Car/Cer



"Diver pumps are ideal for clean water applications where pressure is needed, such as sprinklers or pumping to a storage tank. The Boostamatic control module options are ideal for water supply applications such as irrigation, where the pump can be located in a well or pond for example".



Diver range

Submersible range

Diver Pumps

Diver pumps are ideal for applications where pressure is needed such as sprinklers or pumping up to storage tanks. Diver pumps are suitable for clean water only. The entire range feature stainless steel motor shells, are compact in design and easy to install.

All diver pumps include an externally fitted float switch and 25 mm hose connector.

Boostamatic options are also supplied with an Automatic Control Module.

Motor specification: 230/1/50

Key to seal options

Nit/Car/Cer - Nitrile/Carbon/Ceramic
Long life seal



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