

**STUART**

## **Instruction Sheet**

### **- Boostamatic Diver Pumps –**

The following information is to be read in conjunction with operation booklets, supplied with the pump and control module.

#### **IMPORTANT NOTES**



- Please read these instructions fully before starting the installation.
- The installation must comply with the relevant water supply, electrical and building regulations and be installed by a competent person.
- If in doubt, consult Stuart Turner Ltd.
- Further information can be found in the individual Diver and Control Module instruction books.

#### **APPLICATION**

The Boostamatic Diver range is designed for pressure boosting applications in clean fresh water systems, where under gravity, no flow is available.

#### **PRODUCT DESCRIPTION**

##### Control Module

All models use the solid state IP65 rated pressure control module, mounted remotely with the Diver units. The wetted materials of construction are brass, rubber and nylon 66.

## **WARNINGS:**



- This pump set must not be used for any other application without the written consent of Stuart Turner Limited.
- Do not connect this pump to the mains water supply.
- Persons with reduced physical, sensory or mental capabilities must not use this product, unless they are under supervision or have been instructed in the use of the product by a person responsible for their safety.
- Children must not use or play with this product.
- Ensure pipework from pump is independently supported to prevent forces being transferred to outlet branch.
- Do not under any circumstances use the cable fitted as a means to carry or lower the pump into position on installation. Attach a rope sling to the lifting eye.
- Ensure the pump or controller cannot be subjected to freezing conditions as damage may result.
- Never run pump whilst sucking air/liquid as the motor will overheat. To prevent this from happening always install pump in the vertical position and ensure fully submerged.



- The electrical installation must be carried out in accordance with the current national electrical regulations.
- The electrical installation must be installed by a qualified person.
- In the interests of electrical safety a 30 mA residual current device (R.C.D. not supplied) should be installed in the supply circuit. This may be part of a consumer unit or a separate unit.
- Before starting work on the electrical supply ensure power supply is isolated.



- Isolate all appliances in the water from the electrical supply before putting your hands in the water.
- The motor and wiring must not be exposed to water.
- Do not allow the supply cord to contact hot surfaces, including the motor shell, pump body or pipework. The cord should be safely routed and secured by cable clips.
- The pressure control module must be protected from the elements.
- This appliance must be earthed via the supply cord.
- The motor is provided with a factory fitted supply cord and plug. This must be connected to the mains supply via a 10 Amp double pole switched, socket outlet in compliance with BS 1363-2.
- A plug with bared flexible cords is hazardous if engaged in a live socket outlet.
- Do not run the pump dry.
- In the unlikely event of mechanical seal failure pollution of the liquid could occur due to the leakage of lubricants.
- If the supply cord is damaged, it must be replaced by Stuart Turner Ltd or an official Service Agent to avoid hazard.

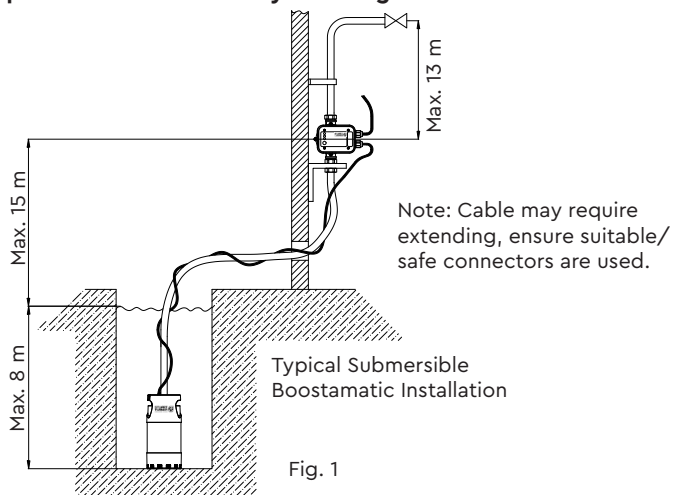
Please read installation details carefully as they are intended to ensure this product provides long, trouble free service. Failure to install the unit in accordance with the installation instructions will lead to invalidation of the warranty.

## SITING OF THE PUMP/PIPEWORK

### WARNINGS:



- Ensure pipework from pump is independently supported to prevent forces being transferred to outlet branch.
- Do not under any circumstances use the cable fitted as a means to carry or lower the pump into position on installation. Attach a rope sling to the lifting eye.
- Ensure the pump or controller cannot be subjected to freezing conditions as damage may result.
- Never run pump whilst sucking air/liquid as the motor will overheat. To prevent this from happening always install pump in the vertical position and ensure fully submerged.



The Diver pump is supplied with a non-return valve which should be screwed into the pump outlet port using the supplied adaptor (Fig. 2). The purpose of the valve is to limit back flow and pressure on the pump and ensure discharge pipework is always primed with water. The Diver pump is also supplied with an outlet adaptor which allows for a 25 mm diameter bore hose, should be installed vertically and should be submerged at all times to avoid overheating of the motor. When siting the pump ensure its base is raised slightly from the base of the sump reducing the possibility of blocking the pump inlet filter with debris. The discharge pipework must be independently supported to prevent forces being transferred to pump outlet branch.

If the pump is not to sit on the bottom of the sump or it is too deep, then it should be suspended by a rope attached to the lifting eye located on top of the pump.

All connections are to be as shown in Fig. 2 (ensure all joints are watertight). The control module is to be mounted remotely from the pump in a dry frost free enclosure or building (Fig. 1). Ensure the water flow is in the direction of the arrows that are moulded onto the pressure control module (vertically upwards).

The control module must be mounted in the vertical position and not mounted in any other way (on its side for instance).

The pump must be wired to the control module as detailed in wiring diagram section.

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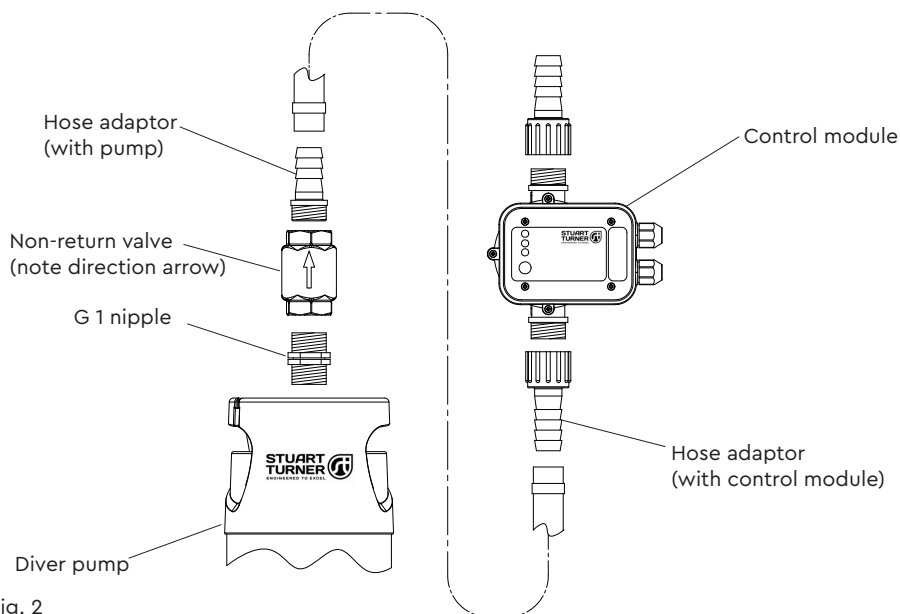


Fig. 2

## ELECTRICAL INSTALLATION



- **WARNINGS:**
- The electrical installation must be carried out in accordance with the current national electrical regulations and installed by a competent person.
- In the interests of electrical safety a 30 mA residual current device (R.C.D.) should be installed in the supply circuit. This may be part of a consumer unit or a separate unit. For submersible pump installations this device **MUST** be installed.
- Before starting work on the electrical installation ensure the power supply is isolated.
- This appliance must be earthed.
- The motor and wiring must not be exposed to water.
- Do not allow the supply cord to contact hot surfaces, including the motor shell, pump body or pipework. The cord should be safely routed and secured by cable clips.

### Earthing

This appliance must be earthed via the supply cord.

### Electrical Connection

The pressure control module provided with the submersible range is supplied loose for remote mounting. This must be permanently connected to the fixed wiring and is provided with a set of terminals located in the control module which allow the connection of a flexible supply cord. Means for disconnection must be incorporated in the fixed wiring according to the wiring rules.

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A suitable method of connection would be via a double pole switched, fused connection unit complying with BS 1363-4.

The connection unit should be mounted in an easily accessible position and should be labelled if confusion is possible to allow easy identification of the pump isolating switch.

#### WARNINGS:



- **A residual current device having rated current not exceeding 30 mA MUST be installed in the supply circuit.**
- **Isolate power supply before putting your hands in the liquid.**
- **The pressure control module must be protected from the elements.**

#### Wiring

The supply cord that connects the remotely mounted pressure control module to the mains supply is not provided. This cord must be sourced and provided by the installer. Cord selection should be chosen in accordance with the current involved/ surrounding conditions and the fuse size required to protect the factory fitted pump supply cord (see fuse section).

The pump must also be connected to the pressure control module using the factory fitted pump supply cord which is provided with ends bared.

For information on cable fitting and connection, consult the wiring diagram and cable gland fitting instructions for the control module.



**WARNING: If the supply cord is damaged, it must be replaced by Stuart Turner Ltd or an official Service Agent to avoid hazard.**

#### Wiring Diagrams



**The supply cord and internal wiring within the terminal box are routed and secured to ensure compliance with the electrical standard EN 60335-1. It is essential that any disturbance of this internal wiring is avoided and the factory routing and securing of all internal wiring is always maintained.**

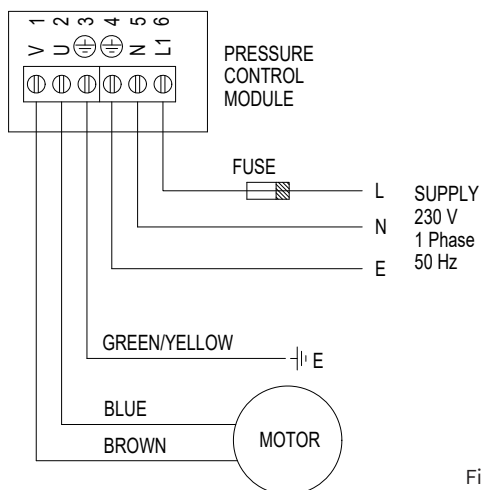


Fig. 3

## Fuses

The following fuse size should be used.

Model	Fuse Size (AMPS)
Diver 35	10
Diver 45	

## Intermediate Connecting Cord Replacement

The intermediate connecting cord (pump supply cord) which connects the pump to the control module **cannot** be replaced. If the cord is damaged the pump should be scrapped.

## Cable Gland Fitting Instructions (Pressure Control Module)

See Pressure Control Module instruction book.

## Intermediate Connecting Cord Extension (Boostamatic Diver 35 and 45)

The intermediate connecting cord which connects the pump to the control module is of a type suitable for outdoor use. Cord specification is as follows:

H07RN-F3 G 1.0 mm<sup>2</sup> – 10 amp rating.

If an extension cord is necessary a cord of the proper type and rating must be used.

In general for 230 volt pumps on distances up to 40 metres (inclusive of original cord length) the same specification cord as fitted to the pump can be used. For distances above 40 metres a larger cord size may be required due to voltage drop and advice must be obtained based upon installation details.

Any connectors or junction boxes must be specifically suited for outdoor use and installed in accordance with manufacturers instructions.

Any cable routed underground must be protected to local standards.

## **NOISE**

The equivalent continuous A-weighted sound pressure level at a distance of 1 metre from the pumpset does not exceed 70 dB(A) for all models.

## **COMMISSIONING**

### **WARNINGS:**



- **The motor casing can become very hot under normal operating conditions, care should be taken to ensure it cannot be touched during operation.**
- **Do not run pump without guards and terminal box lids correctly fitted.**
- **Care should be taken to protect the pump from freezing.**
- **The pump chamber must be full of liquid at all times. Seal damage will result if the pump runs dry.**

Ensure electrical supply is compatible with the details that are stated on the pump rating plate. (The wrong voltage or frequency can be dangerous and may damage the pump.)

## Priming

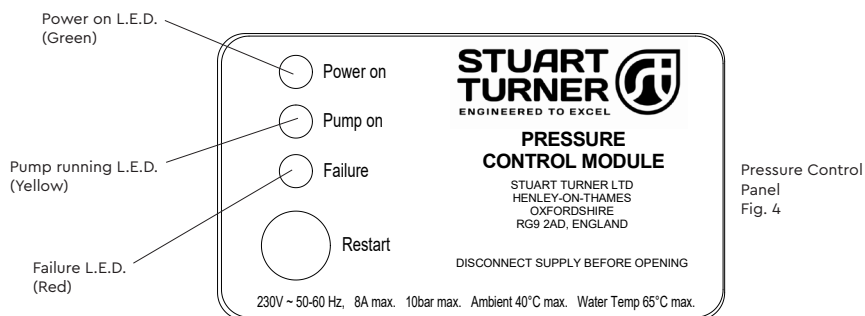
The pump should be fully submerged before starting, take care when submerging the pump to ensure all air is purged from the casing. This is done by slowly submerging the pump and gently agitating whilst doing so.

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## Starting The Pump

Turn on the electrical supply and the green L.E.D. 'power on' lights up. The yellow L.E.D. lights up when the pump is running (Fig. 4).

The pump will run until the system is completely charged and the maximum pressure reached. All taps or outlets on the system need to be operated starting with the highest outlet. This is to release air that may be trapped in the system. If the failure (red) L.E.D. lights up, this indicates that the pump is out of liquid or priming is incomplete. In the event of this happening, check liquid supply to pump. If all is in order keep the RESTART button depressed with a tap open and wait until the red failure light goes out. When the button is released and the tap closed, the pressure control module will stop the pump at its maximum pressure. **Do not run against a closed valve for periods longer than 5 minutes.**



## Functioning

Once the commissioning operation is completed, the module will perform all pump control operations automatically. Note: After closing any outlet there will be a small delay time before the pump stops operating, which is normal. When particular operational breakdowns occur, such as liquid failure, the module recognises the breakdown and the red L.E.D. FAILURE light comes on. The pump stops operating to prevent damage caused by its working in the absence of liquid. After rectification of the failure, the system is restarted by depressing the restart button.

Carefully check pump and pipework for leaks whilst pump running and stationary before leaving the installation unattended.

## For Further Technical Support

Note: When pumps are installed in another manufacturers original equipment, please contact the manufacturer for advice.

Phone the Stuart Turner TechAssist team on +44 (0) 800 31 969 80. Our staff are trained to help and advise you over the phone.



**MAINTENANCE**

**WARNINGS:**



- Care should be taken to protect pump from frost and freezing.

Cleaners, disinfectants and descalents



On installations where chemical disinfectants or descalents are periodically used, the compatibility of the chemical solution regarding the pump must be considered.

Acid based descalents and aggressive cleaning agents must not come into contact with the pump. The pump must be removed from the system prior to the use of these products. The system should be flushed to remove all chemicals before the pump is re-connected.

If in any doubt as to the suitability of the chemical solutions refer to Stuart Turner Ltd.

**STORAGE**

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

**TROUBLE SHOOTING GUIDE**

Symptoms	Probable Cause	Recommended Action
Pump will not start. Control module failure light illuminated.	Liquid supply low.	Check liquid level in the supply tank and all stopcocks are open. Reset the control module by depressing the restart button.
	Inlet filter blocked (if fitted).	Remove and clean filter gauze. Reset control unit.
	Electrical supply.	Check all electrical switches are on. Is the correct fuse fitted? Is the circuit breaker set?
	Static inlet or outlet head is greater than permitted.	Re-position control module. (See siting of the pump and limits of application section).







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**STUART**

## Installation, Operation & Maintenance Instructions

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



**Read this manual carefully before commencing installation.**  
This manual covers the following products:

**Diver 35**  
Pt. No. 46585

**Diver 45**  
Pt. No. 46586

**50 Hz**



**PRODUCT DESCRIPTION**

Electric motor driven submersible pump with float switch control.

**APPLICATION**

The Diver pump range is designed for re-circulation, drainage and transfer of clean fresh water in outdoor or indoor applications.

All models within the range incorporate an adjustable float switch assembly which provides automatic pump control.

These models are suitable for clean water only.

**STORAGE**

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

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## **WARNINGS:**



- This pump set must not be used for any other application without the written consent of Stuart Turner Limited.
- Do not connect this pump to the mains water supply.
- The use of this product requires experience with and knowledge of the product.  
Persons with reduced physical, sensory or mental capabilities must not use this product, unless they are under supervision or have been instructed in the use of the product by a person responsible for their safety.
- Children must not use or play with this product.
- The electrical installation must be carried out in accordance with the current national electrical regulations.



- The electrical installation must be installed by a qualified person.
- In the interests of electrical safety a 30 mA residual current device (R.C.D. not supplied) should be installed in the supply circuit. This may be part of a consumer unit or a separate unit.
- Before starting work on the electrical supply ensure power supply is isolated.
- Isolate all appliances in the water from the electrical supply before putting your hands in the water.
- This appliance must be earthed via the supply cord.
- The motor is provided with a factory fitted supply cord and plug. This must be connected to the mains supply via a 13 Amp double pole switched, socket outlet in compliance with BS 1363-2.
- A plug with bared flexible cords is hazardous if engaged in a live socket outlet.

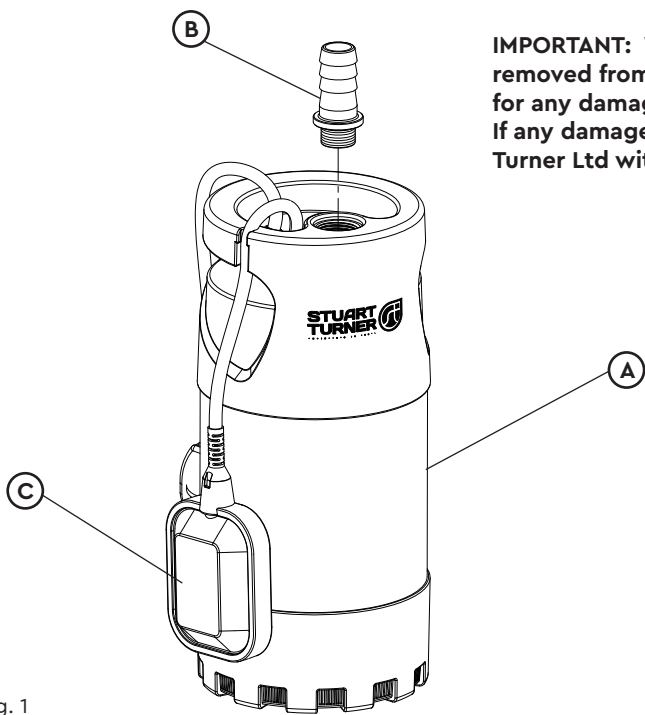


- **Maximum head (closed valve), 35 metres (Diver 35), 45 metres (Diver 45).**
- **Do not run the pump dry.**
- **In the unlikely event of mechanical seal failure pollution of the liquid could occur due to the leakage of lubricants.**
- **If the supply cord is damaged, it must be replaced by Stuart Turner Ltd or an official Service Agent to avoid hazard.**

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



CHECKLIST



**IMPORTANT:** With the pump removed from its packaging check for any damage prior to installation. If any damage is found contact Stuart Turner Ltd within 24 hours of receipt.

Fig. 1

Item	Description	Qty	Item	Description	Qty
(A)	Pump	1	(C)	Float switch (part of pump)	1
(B)	25 mm Hose connector	1			

Your product may vary slightly from the picture above.

## **1 IMPORTANT FACTS: READ BEFORE COMMENCING PUMP INSTALLATION**

### **A Water temperature**

The water entering the pump must be controlled as follows:

1.11 The maximum allowable water temperature is 35 °C.

1.12 The minimum allowable water temperature is 4 °C.

### **B Pipework – general**

1.13 All models are supplied with a hose connector (see pump connection section for details) which can be screwed directly into the pump discharge connection.

1.14 The hose connector is suitable for a 25 mm hose size. For best flow use the largest bore pipe possible minimising 90° bends. Small pipe sizes will reduce the pump performance.

## 2 LOCATION – GENERAL



- 2.11 **Access:** For emergencies and maintenance the pump must be easily accessible.
- 2.12 Do not run against a closed valve for periods longer than 5 minutes. The water in and around the pump must not be allowed to freeze. This will result in pump damage.
- 2.13 Do not under any circumstances use the supply cord fitted, as a means to carry or lower the pump into position on installation. Attach a rope sling to handle.
- 2.14 Never run pump whilst sucking air only as the motor will overheat. To prevent this happening always install pump in the vertical position and ensure fully submerged.
- 2.15 **Pump position:** When siting the pump ensure its base is raised slightly from the bottom of the sump reducing the possibility of blocking the filter with debris or drawing in small stones (see Fig. 2).

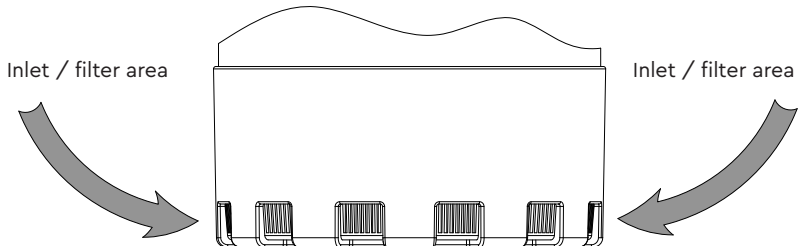


Fig. 2

- 2.16 If the pump is to be run continuously it must be installed in a vertical position and must be submerged at all times to avoid overheating of the motor.
- 2.17 If the float switch is in use to empty a tank the pump may be operated partially submerged for short periods (see float switch operation section for further details).
- 2.18 **Float Switch Operation:**  
All Diver models are fitted with a float switch for automatic operation.
- 2.19 The following guide will help you get the most out of your pump.
- 2.20 The pump must never run dry, needing a minimum water depth of 300 mm at all times.

- 2.21 Adjustment of the float switch is achieved by lengthening or shortening the cable through the moulded cable retention slot, which is located in the pump handle (Figs 3 and 4).  
 Note: When inserting cable into slot ensure it is fully engaged.

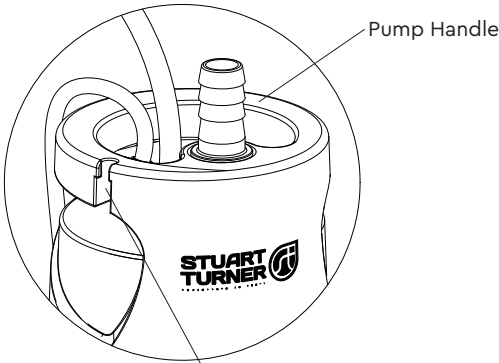


Fig. 3 Moulded cable retention slot

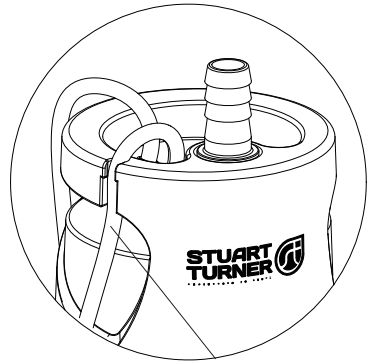


Fig. 4 Float Switch cable shown slotted into position

- 2.22 If modification of the level setting is required refer to Figures 5 and 6 and the following chart.  
 2.23 Wherever the pump is installed it must have sufficient dimensions for the float switch to operate freely (Fig. 7), retaining a minimum water depth as previously stated. The pump is continuously rated when fully submerged but should only be run for short periods (10 mins) when the water drops to the minimum level. The number of starts should not exceed 30 per hour.  
 Note: It is not possible to empty the sump completely, a minimum depth must remain (Figs. 5 & 6).

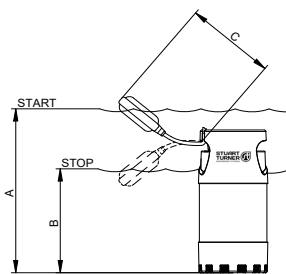


Fig. 5 Min. Float Switch Movement

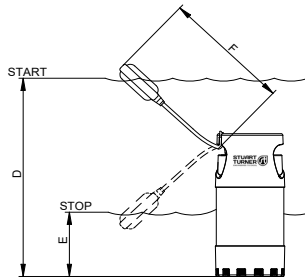


Fig. 6 Max. Float Switch Movement

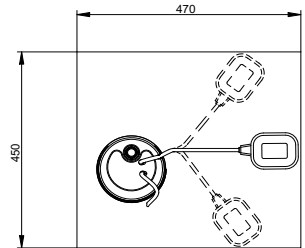


Fig. 7 Min. Size Of Sump

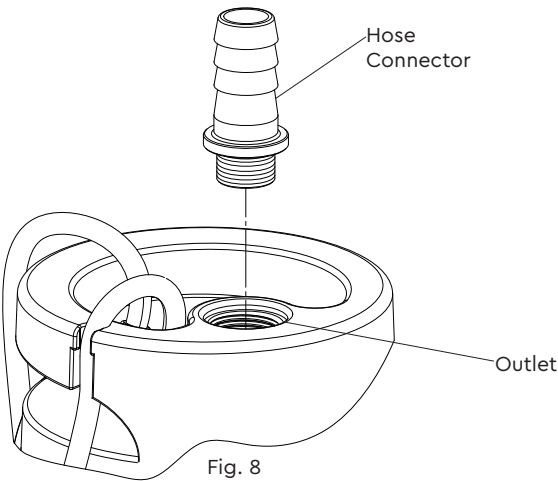
	A	B	C	D	E	F
PUMP TYPE	START (MIN.ADJ)	STOP (MIN.ADJ)	CABLE (MIN.ADJ)	START (MAX.ADJ)	STOP (MAX.ADJ)	CABLE (MAX.ADJ)
All models	410	300	220	460	200	320

Cont ...

**3 PUMP CONNECTIONS**

3.11 Diver pumps have a 1 " BSP female connection and are supplied with a 25 mm hose connector.

Pump Type	Pump Outlet	Hose Bore (mm)
All models	G1 F	25



## 4 ELECTRICAL INSTALLATION



- 4.11 **Regulations:** The electrical installation must be carried out in accordance with the current local regulations by a qualified person.
- 4.12 **Safety:** In the interests of electrical safety a 30 mA residual current device (**R.C.D. not supplied**) should be installed in the supply circuit. This may be part of a consumer unit or a separate unit.
- 4.13 Before starting work on the electrical supply ensure power supply is isolated.
- 4.14 Isolate all appliances in the water from the electrical supply before putting your hands in the water.
- 4.15 The power supply cord of this pump cannot be replaced. If the cord is damaged, the pump should be disposed of (see Section 8.11).
- 4.16 If the pump is used to empty a swimming pool, the pump must not be used when people are in the water.
- 4.17 **Earthing:** This appliance must be earthed via the supply cord.
- 4.18 **Connections:** The motor is provided with a factory fitted supply cord and plug. This must be connected to the mains supply via a 10 Amp double pole switched, socket outlet in compliance with BS 1363-2.  
The socket outlet should be mounted in an easily accessible position and should be labelled if confusion is possible, to allow easy identification of the pump isolating switch.
- 4.19 **Wiring Of Connection Unit:**  
**The moulded plug fitted to this appliance is not waterproof – keep dry.**  
If the plug supplied is not suitable for your socket outlet, it should be cut off and destroyed.  
**A plug with bared flexible cords is hazardous if engaged in a live socket outlet.**  
The wires in the mains lead (supply cord) are coloured in accordance with the following code:  
Green and Yellow: Earth  
Blue: Neutral  
Brown: Live  
As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your connection unit proceed as follows:
- The wire which is coloured green and yellow must be connected to the terminal in the connection unit which is marked with the letter E or by the earth symbol: ⊕ or coloured green or green and yellow.
  - The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
  - The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.
- 4.20 **Fuse:** All models should use 10 Amp fuse.
- 4.21 **Float switch cord replacement:** If the supply cord is damaged, it must be replaced by Stuart Turner Ltd or an official Service Agent to avoid a hazard.

- 4.22 **Supply cord extension (pump):** The pumps are fitted with a supply cord suitable for outdoor and underwater use. The cord specification is as follows:-

Pump Type	Cord Type	Cord Length (m)
Diver	HO7RN-F3 G 1.0 mm <sup>2</sup>	15

If an extension cord is necessary a cord of the proper type and rating must be used.

In general for 230 volt pumps on distances up to 40 metres (inclusive of original cord length) the same specification cord as fitted to the pump can be used. For distances above 40 metres a larger cord size may be required due to voltage drop and advice must be obtained based upon installation details.

Any connectors or junction boxes must be specifically suited for outdoor use and installed in accordance with manufacturers instructions.

Any cable routed underground must be protected to local standards.

## **5 COMMISSIONING**

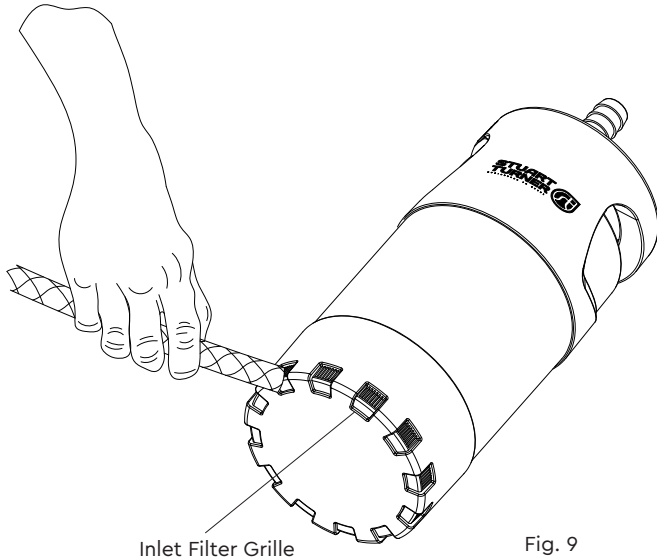
- 5.11 The pump chamber must be full of water at all times. Damage will result if pump runs dry.
- 5.12 The pump must be fully submerged before starting. Take care when submerging the pump to ensure all air is purged from the casing. This is done by slowly submerging the pump and gently agitating whilst doing so. This will enable any trapped air pockets to be released.
- 5.13 Turn on the electrical supply and water movement should be immediately evident from pump outlet. If it is not, repeat step 5.12.



## 6 MAINTENANCE



- 6.11 The water in and around the pump must not be allowed to freeze. This will result in pump damage.
- 6.12 Provision should be made for easy access to the pump to allow for regular maintenance.
- 6.13 The integral inlet filter grille should be checked periodically and cleaned if required. It is important the filters are clean and free from debris which in turn ensures the pump will always run at maximum efficiency. A blocked filter can cause damage to the pump.
- 6.14 The pump must be cleaned as follows:-
- 1) Disconnect electrical supply before working on pump.
  - 2) Release system pressure from pipework and remove pump from water (do not use cable to lift pump).
  - 3) Clean integral inlet filter grilles using water pressure from a hose pipe (Fig. 9).
  - 4) Refer to commissioning section for instructions on re-starting pump.



## 7 TECHNICAL SPECIFICATION

Pump Model		Diver 35 50 Hz 46585	Diver 45 50 Hz 46586
General	Guarantee	1 year	
	Approvals	CE	
Features	Pump type	Submersible	
	Pump control	Float Switch	
	Mechanical seal	Nitrile / Carbon / Ceramic	
	Automatic and manual mode	✓	✓
	Automatic float switch	✓	✓
	Noise	35 dB(A)	35 dB(A)
Materials	Pump body	Polypropylene / stainless steel	
	Impeller	Plastic	
Performance	Maximum head (closed valve)	35 metres	45 metres
	Maximum immersion depth	8 metres	
	Minimum immersion depth	300 mm	
	Performance @ 20 l/min	29 metres	35 metres
	Performance @ 60 l/min	15 metres	21 metres
	Maximum flow	88 l/min	94 l/min
	Min / Max water temperature	Min 4 °C / Max 35 °C	
Connections	Pump connections	G 1 female	
	Hose Connector	25 mm male	
Motor	Type	Induction, auto-reset thermal trip	
	Duty rating	Continuous (S1)	
Electrical	Power supply / phase / frequency	230 V a.c. / 1 / 50 Hz	
	Current (full load)	3.7 Amps	4.7 Amps
	Power consumption	774 Watts	1012 Watts
	Fuse rating	10 Amps	
	Power cable (pre-wired)	15 metres	
Physical	Enclosure protection	IPX8	
	Diameter	164 mm	
	Height (excluding hoses)	350 mm	387 mm
	Weight (including fittings)	8.7 Kg	9.2 Kg

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



**Maximum permissible water temperature 35°C.**

7.11 **Noise:** The equivalent continuous A-weighted sound pressure level at a distance of 1 metre from the pump does not exceed 70 dB(A).

Cont ...

## 8 TROUBLE SHOOTING GUIDE

Symptoms	Probable Cause	Recommended Action
Pump stops running.	Thermal overload protection has tripped.	<p>Disconnect the power supply to the pump. Allow to cool for 30 mins.</p> <p>Check to ensure the pump is connected to the correct voltage supply.</p> <p>Check to ensure the impeller is not jammed and can rotate freely.</p> <p>Check to ensure water to be pumped does not exceed recommended temperature, ensure pump has not run dry and is fully submerged.</p> <p>Check probable causes and remedy, allow to cool reinstall and connect cable.</p>
Pump will not start.	<p>Pump not connected to the electricity supply.</p> <p>Impeller Jammed.</p> <p>Float switch not working.</p>	<p>Check the cable is connected correctly and power supply is switched on. Check fuse.</p> <p>Clean away debris from the impeller.</p> <p>Check the float switch by hand (do not attempt to dismantle float switch) for further advice contact Stuart Turner.</p>
Pump runs but no water is supplied.	<p>Low water level.</p> <p>Discharge pipe clogged.</p> <p>Suction filter blocked.</p>	<p>Ensure the pump is fully submersed below the water level.</p> <p>Ensure that the pump is not able to suck air in (low water level).</p> <p>Remove pipe and ensure the discharge is clear of any debris.</p> <p>Check inlet pre-filters (if fitted), are free from blockages.</p>

- 8.11 **Environment Protection:** Your appliance contains valuable materials which can be recovered or recycled.  
At the end of the products' useful life, please leave it at an appropriate local civic waste collection point.

## 9 THE GUARANTEE – 1 YEAR

Congratulations on purchasing a Stuart Turner pump.

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

All Stuart Pumps are guaranteed to be free from defects in materials or workmanship for 1 year from the date of purchase.

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

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

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

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

In the event of a claim please telephone **'TechAssist'** or return the pump and flexible hoses with the accessories removed e.g pipes etc. If you have any doubt about removing a pump, please consult a professional.

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

Proof of purchase should accompany the returned unit to avoid delay in investigation and dealing with your claim.

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

Please record here for your records.

TYPE NO.	SERIAL NO.	DATE PURCHASED

## NOTES

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## DECLARATION OF CONFORMITY

### Low Voltage Directive – 2014/35/EU

IEC 60335-1, IEC 60335-2-41

### EMC Directive – 2014/30/EU

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

### RoHS Directive – 2011/65/EU

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

RESPONSIBLE PERSON  
AND MANUFACTURER

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

Signed ..... Technical Director

Stuart Turner are an approved company to BS EN ISO 9001:2015



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