Submersible Commercial Construction Pump

808366 / CLA-BLUESUB10

COMPLIES TO AUSTRALIAN & NEW ZEALAND ELECTRICAL STANDARDS

ClayTech 3 YEAR WARRANTY

Tips for a successful installation

STAY ENERGY SAFE

Ensure the pump is properly grounded

Power supply via a RCD / GFI

Ensure any extension cords used are suitably rated to prevent voltage drop. (15 – 20 amp)

Use only extension cords intended for outdoor use

If the pump has to be lowered into position. Attach a lifting rope.

Never lift the pump by the power cord or discharge pipe

For effective cooling, the pump motor needs to remain submerged.

The pump should never run longer than 10 minutes with the motor partially submerged.

Attempting to pump liquids containing hard solids will void warranty

1. Introduction

Congratulations on your purchase of the ClayTech BLUESUB10 pump.

The CLA-BLUESUB10 is a light commercial construction submersible pump suitable for de-watering of construction sites and pumping ground or storm water from residential, commercial and building sites.

Fitted with a urethane coated, semi vortex impeller plus agitator, the CLA-SUB10 is better equipped to withstand damage when pumping abrasive particles in certain applications.

The urethane strainer will handy the inevitable knocks

Great for light commercial applications the CLA-BLUESUB10 is regularly used within residential areas for storm water pits, basements drainage etc.

2. Key Features

Designed primarily for de-watering of construction sites and pits and any general dewatering where there is abrasive material

- Automatic and Manual operation models available
- 240V single phase motor with in-built auto reset thermal overload
- 10m of H07RNF power cable
- Durable Industrial Grade Coating
- Stainless Steel Handle
- Corrosion resistant pump components
- Dual Mechanical Seal in oil bath, SIC/SIC, Carbon Ceramic
- Easy service (replaceable) round style float
- Urethane coated semi-vortex impeller allows pumping of suspended solids, sandy and stringy material
- Agitator on the end of the pump shaft helps prevent air locking and clogging
- Versatile outlet connection
- Urethane strainer resists damage
- Can handle particles to 25mm x 10mm

3. Contents

1. Introduction 3

2. Key Features 3

3. Contents 3

4. Symbols used in this manual 4

5. Warnings 4

5.1 Cautions 4

6. Technical Specifications 5

7. Electrical Connections 5

8. General installation notes 6

9. Warranties – Terms and Conditions 7

10. Trouble Shooting Guide 8

4. Symbols used in this manual

	Warning - Electrical safety
	Warning – Potential consequences of use outside of intended application(s). Includes environmental condition warnings.
	Mandatory warning
	Warning to disconnect power
	Read carefully

5. Warnings

	Read the manual carefully before starting and retain for future reference.
	Prior to starting installation or any maintenance the pump must be disconnected from the power supply and pressure relieved from the system including controller, pump and associated pipework.
	Any changes or modification to the wiring must be carried out by suitably qualified personnel.
	A qualified electrician should correctly size and install circuit breakers to protect the power supply. The fitment of additional surge protection is recommended.
	This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
	To avoid excessive thermal shock to the motor the pump should not start more than 20 times in any one hour period.
	Ensure that the installation will comply with all applicable local regulations.

5.1 Cautions

5.1.1 Minimise exposure to extremes of heat and cold. Operating range 2°C - 35°C

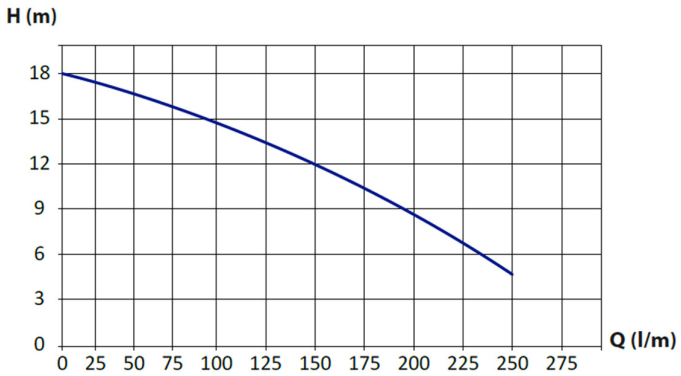
5.1.2 This pump is not suitable for use with spa or pool water

5.1.3 Running the pump without water or allowing the pump to run dry will damage the mechanical seal and void the warranty.

5.1.4 Avoid situations where the pump could be exposed to corrosive liquids or gasses, or to flammable materials, solvents etc.

6. Technical Specifications

- Voltage: 240V 50Hz Single Phase
- P2 shaft power: 570W
- Full load current: 5.6 amps
- Capacitor 25 uF
- Max head: 18m
- Max flow: 250 lpm
- IP68 ingress rating



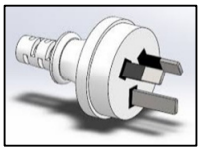
Designed to pump waste, sand, silt water and water containing mild pollutants at ambient temperatures, 2 - 35 deg C

Never use this pump with flammable or corrosive fluids

7. Electrical Connections

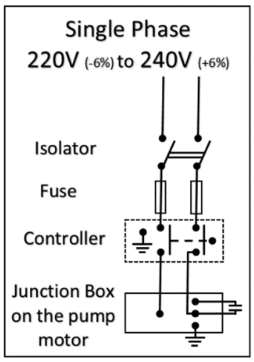
The pump should be connected to (10 Amp) power outlet equipped with a residual current device. The RCD should be installed and meet nominal trip current of 30 mA in compliance with the requirements of AS/NZS 3000.

The pump is supplied with a 10 amp rated lead and AS/NZ 3112 (Type 1) 3 pin male power plug for connecting to mains power.



Exercise care with the power cord. Route the cord carefully to avoid potential snagging or chafing hazards.

Never lift the pump by the power cord or disconnect from the power supply by pulling the cord.



Replacement floats are available:

BlueSub10 – PN 809477

8. General installation notes

Never remove or lift a pump by its power cable. A rope or lifting chain must be attached to the handle of the pump at the time of installation.

Automatic pumps with a float switch should be installed in a sump or pit of suitable size for the float switches to operate correctly.

The float switch must be installed so the ON and OFF operating points can be easily reached i.e. the float switch head must not be too close to the 'p' clamp.

The float switch must not be able to touch the base of the sump or pit as this could prevent the pump from switching off and causing it to run dry.

No pump should be allowed to run dry.

The pump can resist water ingress at submergence of up to 20 meters BUT electrical regulations require 3m of power flex at the surface. Therefore, maximum installation depth is 7m

The pump should operate on a level surface in a stationary position connected to either fixed pipe work or flexible hose.

Motor Cooling

The pump relies on pit water for cooling of the motor.

The pumps can operate partially submerged for up to 10 minutes however, operating the pump at very low flow i.e. high head or restricted pipework may cause the motor to overheat and could cause catastrophic failure.

Power Connection

A Power point (10amp) should be provided by a qualified electrician, and a residual current device with a nominal trip current should be installed in compliance with the requirements of AS/NZS 3000.

The pump is fitted with an automatic reset thermal overload device. This thermal overload will switch the motor off in an overload situation and will automatically reset when the motor has cooled down.

Excessive triggering of the thermal switch will shorten the pump life expectancy. To avoid excessive thermal shock to the motor the pump should not start more than 20 times in any one-hour period.

Replacement floats are available.

If the supply cord is damaged, the pump should be returned to White International or one of its Authorised Service Agents (contact www.whiteint.com.au or www.whiteint.co.nz) for repair in order to avoid potential injury/electrical shock.

9. Warranties – Terms and Conditions

This warranty is given in addition to the consumer guarantees found within the Australian Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 NZ for goods purchased in New Zealand:

1) White International Pty Ltd / White International NZ Ltd (White International) warrant that all products distributed are free from defects in workmanship and materials, for their provided warranty period as indicated on the top or opposite side of this document. Subject to the conditions of the warranty, White International will repair any defective products free of charge at the premises of our authorised service agents throughout Australia and New Zealand if a defect in the product appears during the warranty period. If you believe that you have purchased a defective product and wish to make a claim under this warranty, contact us on our Sales Hotline on 1300 783 601, or send your claim to our postal address or fax line below and we will advise you as to how next to proceed. You will be required to supply a copy of your proof of purchase to make a claim under this warranty.

2) This warranty excludes transportation costs to and from White International or its appointed service agents and excludes defects due to non-compliance with installation instructions, neglect or misuse, inadequate protection against the elements, low voltage or use or operation for purposes other than those for which they were designed. For further information regarding the suitability of your intended application contact us on our Sales Hotline on 1300 783 601. If you make an invalid claim under this warranty, the original product will be sent back to you unrepaired.

3) This warranty refers only to products sold after the 1st January 2012, and is not transferable to another product type and only applies to the original owner, purchaser or end user, and is in addition to the consumer guarantees found within the Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand.

4) Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. 2 YEAR WARRANTY

5) To the fullest extent permitted by law, White International excludes its liability for all other conditions or warranties which would or might otherwise be implied at law. To the fullest extent permitted by law, White International's liability under this warranty and any other conditions, guarantees or warranties at law that cannot be excluded, including those in the Competition and Consumer Act 2010 (Cth), is expressly limited to: (a) in the case of products, the replacement of the product or the supply of equivalent product, the payment of the cost of replacing the product or of acquiring an equivalent product or the repair of the product or payment of the cost of having the product repaired, is at the discretion of White International or a 3rd party tribunal elected under the Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand; and

6) To the fullest extent permitted by law, this warranty supersedes all other warranties attached to the product or its packaging.

7) In the case of services, supplying the services again or the payment of the cost of having the services supplied again, is at the discretion of White International or a 3rd party tribunal elected under the Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand.

8) Our warranty commences from the date of purchase of the above mentioned pumps. Proof of purchase is required before consideration under warranty is given.

Record your date of purchase in the space below and retain this copy for your records.

Date of Purchase .....**Model Purchased** .....

10. Trouble Shooting Guide

Fault	Cause	Remedy
Pump does not start	No mains supply	Check that power is available at the power socket and that it is switched on
	Blown fuse or tripped breaker	Replace fuse or reset breaker
	Impeller jammed	Disconnect power and clean impeller area
	Thermal overload has been activated	Allow the switch to reset itself
	Float switch is in the down/off position	Free the float switch and change the position of the pump to prevent this in future
	Insufficient water level	Float switch must be in the up/on position (45° above horizontal)
No or low flow	Strainer or impeller blocked by debris	Disconnect from power and clean impeller area
	Damage caused by abrasive media	Pump may need to be serviced to replace worn parts
	Excessive friction loss or high delivery head	Reassess if the pipe size and pump is suitable for the application
Pump does not stop	Float switch is in the up/on position	Free the float switch and change the position of the pump to prevent this in future
	Possible faulty float switch	Pump may need to be serviced to replace faulty part
Pump switches off after short period	Thermal overload has been activated	Disconnect power and make sure impeller is not clogged
		Ensure water temperature is below 35°C
		Check the length of the power supply cable/extension. Possible voltage drop over long distance
		Ensure the pump is not operating at a very low flow or very high head

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