

# BLUEDIAMOND<sup>®</sup>

## CONDENSATE REMOVAL PUMPS



# DID YOU KNOW?

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This iconic London building holds 2500 MAXIBLUE® PRO pumps. One of many superstructures using BLUEDIAMOND® technology around the world.



BLUEDIAMOND® condensate pumps proudly supports British manufacturing and engineering by designing, developing and producing our pumps in the UK.

# CONTENTS

ABOUT US - PAGE 4  
THE PUMP RANGE - PAGE 5  
MICROBLUE® - PAGE 6  
MICROBLUE® (WITH RESERVOIR & DUCTING KIT) - PAGE 7  
MINIBLUE® - PAGE 8  
MINIBLUE® R - PAGE 9  
MAXIBLUE® - PAGE 10  
MAXIBLUE® PRO - PAGE 11  
MEGABLUE® - PAGE 12  
MULTITANK - PAGE 13  
IP PUMP® - PAGE 14  
SENSING OPTIONS & ACCESSORIES - PAGE 16  
FASCIA KIT & ACCESSORIES - PAGE 17  
SENISNG OPTIONS - PAGE 18  
POWER CONSUMPTION - PAGE 19

## REFRIGERATION PUMP RANGE

THE PUMP RANGE - PAGE 21  
POLARBLUE™ - PAGE 22  
ARCTIKBLUE® SLIM - PAGE 23  
ARCTIKBLUE® - PAGE 24  
SWAP OUT KITS - PAGE 25  
THE TECHNOLOGY - PAGE 26  
PUMP SELECTOR GUIDE - PAGE 27

BLUEDIAMOND® condensate removal pumps offer the industry leading 3 year warranty. We have faith in our reliability and so can you.

**3**  
YEAR  
WARRANTY

# ABOUT US

All BlueDiamond® condensate removal products are designed, developed, tooled and manufactured in house, meeting our strict approach to quality, stemming from our UK heritage and wide skill base.

Our team of research and design engineers are dedicated to designing a range of pumps and accessories that not only benefit the end user but also the installer. Offering a new approach to efficiently, quietly and reliably removing large quantities of condensate, our R&D department has an eye for detail, meaning all products purchased are of the very highest standard.

From design to packaging ready for distribution, our team takes pride in every single product despatched from our warehouse facilities. BlueDiamond® consistently invests in both training and development of its team along with new machinery to keep up with ever changing technology.

Each BlueDiamond® product is vigorously tested at the end of the production line, allowing us to ensure our customers are receiving the best product possibly to the ISO 9001 quality standard.

Our ability to manufacture has always been at the forefront of the way we do things at BLUEDIAMOND. Unlike other condensate manufacturers our roots began firmly in Original Equipment Manufacturing (OEM) applications, which has put us far ahead of our competition on design and production capability.



We take great pride in the people that make up BLUEDIAMOND, in particular our Research, Development and Design department. Pulling from nearly three-quarters of a century of pump design knowledge our team of engineers are credited with a number of ground-breaking industry firsts.

BLUEDIAMOND condensate removal pumps are available globally. Using UK & USA warehousing hubs, feeding 4000 trade centres to the global market. Using our own warehousing based all around the world we provide stock to a vast array of wholesalers/distributors.



# THE PUMP RANGE

**3** YEAR  
WARRANTY

## MICROBLUE

(Page 6)



## MINIBLUE®

(Page 8)



## MAXIBLUE®

(Page 10)



## MEGABLUE®

(Page 12)



**SELF PRIMING**

All of the patented pumping principles that BLUEDIAMOND uses are self priming. There's no need to siphon the pump before use due to its ability to run dry.



**POWERFUL PUMPING**

Flow rates remain powerful when high lift/head applications are applied. This gives you a competitive edge and versatility in every installation.



**PUMPS DEBRIS**

The BLUEDIAMOND range are the only ductless pump on the market that can remove sediment/ debris with no need of filters or regular servicing intervals.



**NO MAINTENANCE**

No servicing, no maintenance, no replacement parts. Nothing! A true fit and forget condensate pump.



**NO SILENCING DEVICES**

Smooth flow rate from the MICROBLUE™ eliminates the necessity for any pulsating free tubing and silencing devices.



**QUICK INSTALLATION**

Non modular installation with minimum components when setting up. Fewer components means less time wasted on installation. No siphoning devices or check valves required.



**RUN DRY**

All of the BLUEDIAMOND® pumps have the ability to run dry without burning out. Enabling them to remove any liquids, preventing organic growth inside the tubing.



**NO COMPLEX SET UP**

BLUEDIAMOND® technology can deal with the variable outputs of condensate without the need for additional sensors or overly complex performance settings.



**WHISPER QUIET**

Quiet in all stages of operation and not only when set to quiet mode or relying on a soft start setting.



BLUEDIAMOND® Pumps are the only manufacturer of patented Rotary Diaphragm (RD) and GyRok™ technology.



**NO WIRELESS CONNECTIONS**

Plug in and wireless connections to review pump history or run times before premature failures are not needed due to proven inherently reliable RD technology.



**DURABLE DESIGN**

Thanks to a strong outer casing the BLUEDIAMOND® range can withstand far rougher treatment than many other pumps on the market.



**CAN PUMP SLUDGE**

The BLUEDIAMOND range has the unique capability of being able to pump sludge that commonly builds up in refrigeration units.



Accredited with our own industry pioneering 3 year warranty. We have faith in our reliability and so should you.

## PERFORMANCE

17dba

MAX FLOW	MAX HEAD	MAX LIFT
5 L/ HOUR	5 METRES	2 METRES

With no additional silencing accessories required, not only is the MICROBLUE® a silent running pump but it can also be mounted in any orientation whilst operating both wet and dry continuously. The MICROBLUE® is a dual voltage pump which uses proven thermistor level sensing technology to remove the risk of stuck or sunken float switches.



UNIT  
3.5 KW

## SENSING OPTION

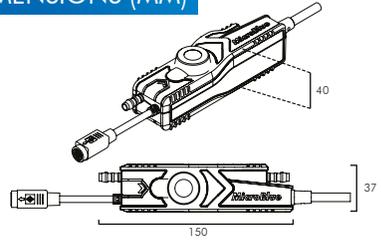
**MICROBLUE® pump available with:**

RESERVOIR	TEMPERATURE SENSOR
X85-001 (HLA-PACK) X85-002 (FSA PACK)	X85-005
	

## PERFORMANCE



## DIMENSIONS (MM)



V (VERTICAL)	H (HORIZONTAL)
5 M	0 M
4 M	3 M
3 M	6 M
2 M	9 M
1 M	12 M

The MICROBLUE® can be mounted in any orientation up to 5m away from the air conditioning unit.



**PUMPS DEBRIS**

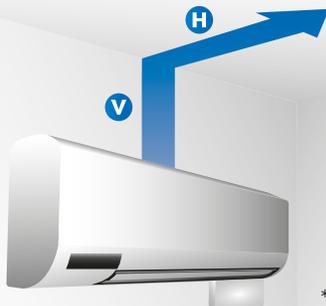
The MICROBLUE™ is the only ductless pump on the market that can remove sediment/ debris with no need of filters or regular servicing intervals.



**NO SILENCING DEVICES**

Smooth flow rate from the MICROBLUE™ eliminates the necessity for any pulsating free tubing and silencing devices.

## DISCHARGE PIPE RUN



\*3.5 KW MAX

# MICROBLUE®

WITH RESERVOIR & DUCTING KIT



**3** YEAR  
WARRANTY

## PERFORMANCE

17dba

MAX FLOW	MAX HEAD	MAX LIFT
5 L/ HOUR	5 METRES	2 METRES

The MICROBLUE® with reservoir and ducting is one of the smartest and more discrete ways to install the MICROBLUE and sits nicely along side any air-conditioning unit. The ducting kit has been designed to make installation easy and enables you to access the pump, reservoir and insulated pipework when required. The kit is equipped with all fixtures, fittings and spacers that you need.



UNIT  
3.5 KW

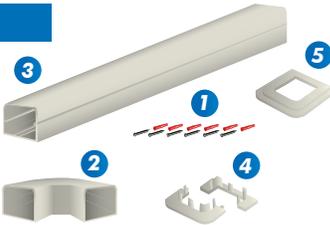
## OPTIONS

**MICROBLUE® pump available in:**

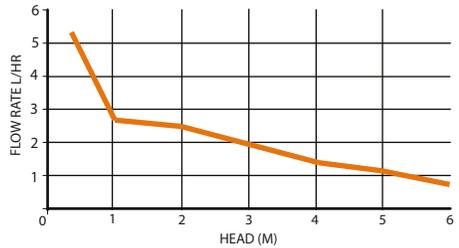
DUCTING KIT	DUCTING KIT
X85-507 (IVORY)	X85-508 (WHITE)
 RAL 9002	 RAL 9003

## IN THE BOX

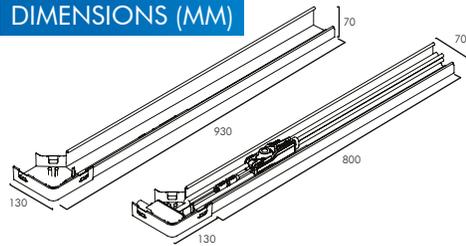
1. SCREWS (x6)
2. ELBOW (x1)
3. DUCTING (x1)
4. COLLAR (x1)
5. SPACER (x1)



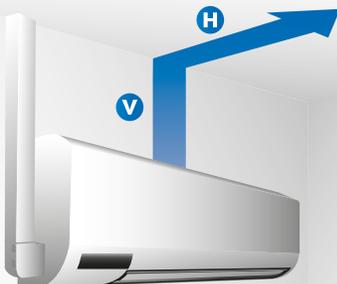
## PERFORMANCE



## DIMENSIONS (MM)



## DISCHARGE PIPE RUN



V (VERTICAL)	H (HORIZONTAL)
5 M	0 M
4 M	3 M
3 M	6 M
2 M	9 M
1 M	12 M

The MICROBLUE® can be mounted in any orientation up to 5m away from the air conditioning unit.

\*3.5 KW MAX

## PERFORMANCE

21 dba

MAX FLOW	MAX HEAD	MAX LIFT
8 L/ HOUR	8 METRES	5 METRES

Running either wet or dry, the MINIBLUE® is whisper quiet whilst reliably removing condensate and debris. Inherently reliable whilst self priming it gives peristaltic performance at the price of a piston pump. The MINIBLUE® is small enough to quickly fit, or retro fit, into any existing installation, saving both time and money.

## SENSING OPTION

MINIBLUE® pump available with:

CR PLUG	TEMPERATURE SENSOR
X87-500	X87-504
	



**RUN  
DRY**

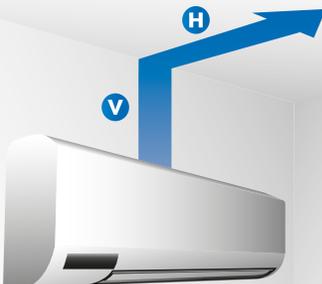
All of the BLUEDIAMOND® pumps have the ability to run dry without burning out. Enabling them to remove any liquids, preventing organic growth inside the tubing.



**WHISPER  
QUIET**

Quiet in all stages of operation and not only when set to quiet mode or relying on a soft start setting.

## DISCHARGE PIPE RUN



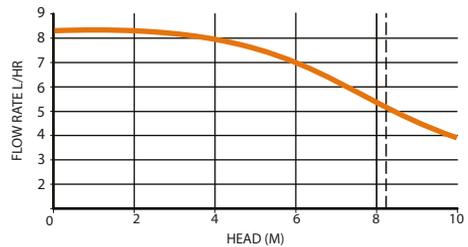
\*8 KW MAX



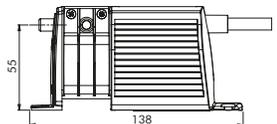
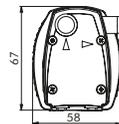
UNIT

3.5-8 KW

## PERFORMANCE



## DIMENSIONS (MM)



V (VERTICAL)	H (HORIZONTAL)
8 M	0 M
7 M	3 M
6 M	6 M
5 M	9 M
4 M	12 M
3 M	15 M
2 M	18 M
1 M	21 M

The MINIBLUE® can be mounted in any orientation up to 8m away from the A.C unit.

## PERFORMANCE

21 dba

MAX FLOW	MAX HEAD	MAX LIFT
8 L/ HOUR	8 METRES	5 METRES

The MINIBLUE R<sup>®</sup> has been designed to combine performance, reliability and installation flexibility. Compact enough to mount remotely and incorporate the electronics needed to operate the unique thermistor controlled reservoir sensor, the MINIBLUE R<sup>®</sup> operates only when condensate is present. Supplied with a ducting kit and dedicated elbow kit to secure our fault free reservoir.



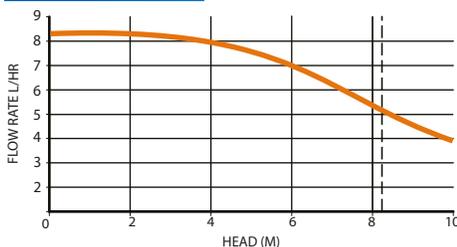
UNIT  
3.5-8 KW

## SENSING OPTION

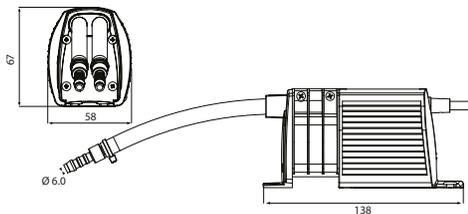
MINIBLUE<sup>®</sup> pump available with:

DUCTING KIT	RESERVOIR
X87-507	X87-509
COLOUR: RAL. 9002	

## PERFORMANCE



## DIMENSIONS (MM)



NO

MAINTENANCE

No servicing, no maintenance, no replacement parts. Nothing! A true fit and forget condensate pump.



QUICK

INSTALLATION

Non modular installation with minimum components when setting up. Fewer components means less time wasted on installation. No siphoning devices or check valves required.

## DISCHARGE PIPE RUN



\*8 KW MAX

V (VERTICAL)	H (HORIZONTAL)
8 M	0 M
7 M	3 M
6 M	6 M
5 M	9 M
4 M	12 M
3 M	15 M
2 M	18 M
1 M	21 M

The MINIBLUE<sup>®</sup> R can be mounted in any orientation up to 8m away from the A.C unit.

## PERFORMANCE

21 dba

MAX FLOW	MAX HEAD	MAX LIFT
14 L/ HOUR	8 METRES	8 METRES

Designed for high humidity environments and with high performance, the MAXIBLUE® is ideally suited for mid range air conditioning systems. Its exceptional reliability is backed by a multi year warranty and with class leading performance/suction lift, the MAXIBLUE® is ideal for installations in environments that are both demanding and expensive to access for maintenance.



UNIT  
8-14 KW

## SENSING OPTION

MAXIBLUE® pump available with:

RESERVOIR	DRAINSTIK® SENSOR	TEMPERATURE SENSOR
X87-701	X87-702	X85-703
		



NO COMPLEX  
SET UP

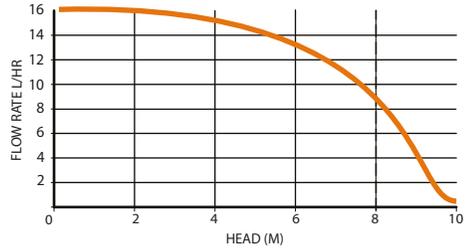
BLUEDIAMOND® technology can deal with the variable outputs of condensate without the need for additional sensors or overly complex performance settings.



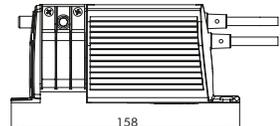
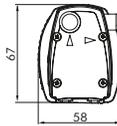
NO WIRELESS  
CONNECTIONS

Plug in and wireless connections to review pump history or run times before premature failures are not needed due to proven inherently reliable RD technology.

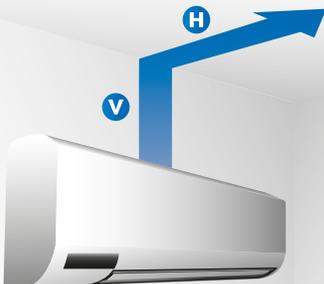
## PERFORMANCE



## DIMENSIONS (MM)



## DISCHARGE PIPE RUN



\*14 KW MAX

V (VERTICAL)	H (HORIZONTAL)
8 M	0 M
7 M	3 M
6 M	6 M
5 M	9 M
4 M	12 M
3 M	15 M
2 M	18 M
1 M	21 M

The MAXIBLUE® can be mounted in any orientation up to 8m away from the A.C unit.

## PERFORMANCE

21 dba

MAX FLOW	MAX HEAD	MAX LIFT
14 L/ HOUR	8 METRES	8 METRES

Designed as a stress-free solution while maintaining the performance of a MAXIBLUE<sup>®</sup>, the specially formulated package has been created for architects and product specifiers, the MAXIBLUE<sup>®</sup> PRO package aims to provide all the equipment required during specification in one single purchase, saving you money and more importantly time.



UNIT  
8-14 KW

## IN THE BOX

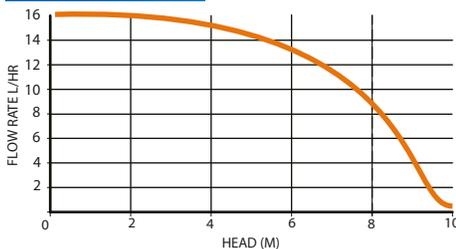
PART NO. X87-707

MAXIBLUE<sup>®</sup> PRO package comes with:

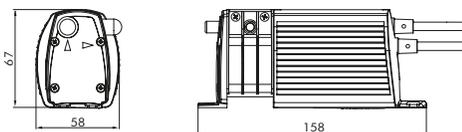


- 1x Blue stepped connector
- 1x Black stepped connector
- 2x D14 Unex clip
- 1x Reservoir
- 2x Mounting feet
- 1x Pump – with 2.5m Mains cable + 5m Alarm cable
- 1x Soil pipe adaptor
- 1x 24m of 6.3mm ID braided PVC discharge hose (marked at meter intervals)

## PERFORMANCE



## DIMENSIONS (MM)



The MAXIBLUE<sup>®</sup> PRO package is the perfect solution for specifiers and architects. Equipped with everything you need to fit your pump the MAXIBLUE<sup>®</sup> PRO it will save you time when integrating air condition units into your design.



The MAXIBLUE<sup>®</sup> PRO utilizes our inherently reliable rotary diaphragm technology. Meaning it can pump air, liquid and sediment at the same time without burnouts or failures. A feature that you wouldn't see in common peristaltic pumps.

V (VERTICAL)	H (HORIZONTAL)
8 M	0 M
7 M	3 M
6 M	6 M
5 M	9 M
4 M	12 M
3 M	15 M
2 M	18 M
1 M	21 M

The MAXIBLUE<sup>®</sup> can be mounted in any orientation up to 8m away from the A.C unit.

## PERFORMANCE

23 dba

MAX FLOW	MAX HEAD	MAX LIFT
50 L/ HOUR	20 METRES	7 METRES

The MEGABLU<sup>®</sup> has a slimline, lightweight design and is whisper quiet, it also has the performance to overcome installation challenges and uses the BlueDiamond<sup>®</sup> revolutionary patented principle, making it inherently reliable. With the MEGABLU<sup>®</sup> there's no cost penalty up front but big savings on installation and in service beyond.



## UNIT

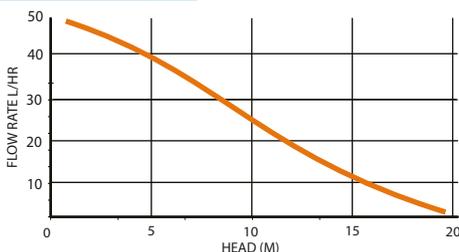
14-50 KW

## SENSING OPTION

MEGABLU<sup>®</sup> pump available with:

RESERVOIR	TEMPERATURE SENSOR	DRAINSTIK <sup>®</sup> SENSOR
X87-813	X87-814	X87-820
		

## PERFORMANCE



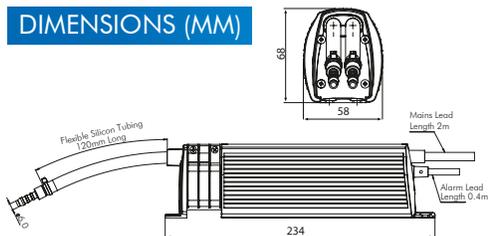
3 YEAR  
WARRANTY

Accredited with our own industry pioneering 3 year warranty. We have faith in our reliability and so should you.

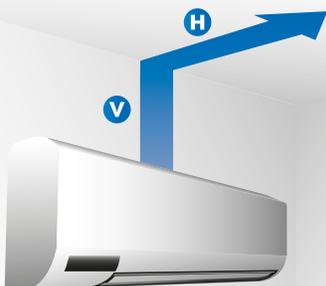
PATENTED

BLUEDIAMOND<sup>®</sup> Pumps are the only manufacturer of patented Rotary Diaphragm (RD) and GyRok<sup>™</sup> technology.

## DIMENSIONS (MM)



## DISCHARGE PIPE RUN



\*50 KW MAX

V (VERTICAL)	H (HORIZONTAL)
20 M	0 M
15 M	15 M
10 M	30 M
5 M	45 M
0 M	60 M

The MEGABLU<sup>®</sup> can be mounted in any orientation up to 7m away from the air conditioning unit.

# MULTITANK

**3** YEAR  
WARRANTY

The MULTITANK is favoured among architects and design consultants and is available for use with either MEGABLU<sup>®</sup> or MAXIBLU<sup>®</sup> pumps. The tank incorporates an energy efficient solid state level sensor which eliminates the use of moving floats, which often become stuck. By manifolding a number of fan coil units into the 1.5 Litres MULTITANK, it offers the installer complete flexibility surrounding any multi-unit installation.



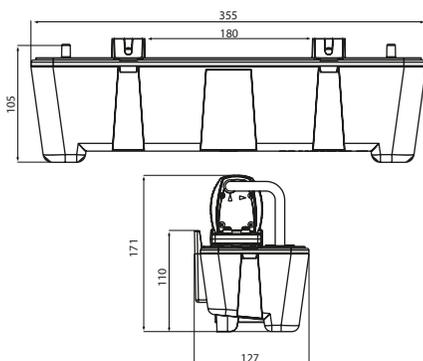
C21-014

## REVOLUTIONARY SENSORY TECHNOLOGY



With no moving parts the MULTITANK offers a reliable alternative to stuck or sunken float switches. Incorporating our patented and proven thermistor technology the hi-low solid state level sensor only runs the pump when condensate is produced. With no moving parts to become clogged or stuck it is an ideal alternative to existing float switches.

## DIMENSIONS (MM)



\*PUMP SOLD SEPARATELY



## OPTION 1: MULTITANK WITH MAXIBLU<sup>®</sup>

Designed for high lift applications (8m) the MULTITANK and MAXIBLU<sup>®</sup> make an ideal combination. Quiet enough for ceiling mounting and powerful enough for remote location makes a wide variety of installation possibilities a lot faster and simpler.

## OPTION 1: MULTITANK WITH MEGABLU<sup>®</sup>

Offering exceptional performance the MEGABLU<sup>®</sup> can remove condensate far away and fast. With a head of 20m (6 storeys!) the MULTITANK with MEGABLU<sup>®</sup> can be used as a remote central collection point for condensate drainage.

## PERFORMANCE

MAX FLOW	MAX HEAD
35 L/ HOUR	15 METRES

The IP Pump is an IP65 rated Condensate Pump, designed to be versatile for a variety of mounting locations and environments.



IP65

Fully potted electrics and with an IP65 rating allows the IP Pump to be mounted directly in the drain pan. Ease to remove drainage points allow for a fast and adaptable install.



**POWERFUL PUMPING**

Flow rates remain powerful when high lift/head applications are applied. This gives a competitive edge and versatility in every installation.



**NO**

**MAINTENANCE**

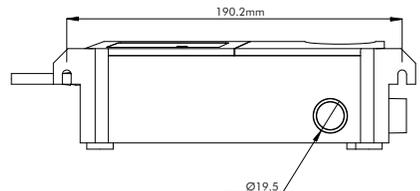
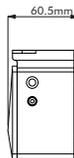
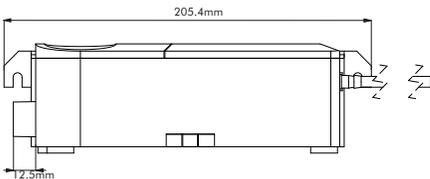
No servicing, no maintenance, no replacement parts. Nothing! A true fit and forget condensate pump.



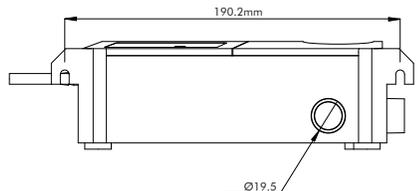
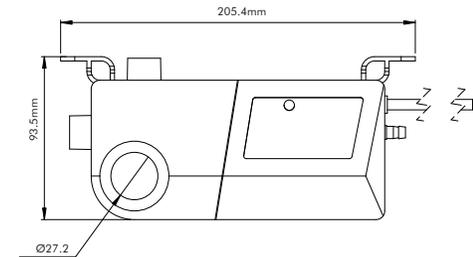
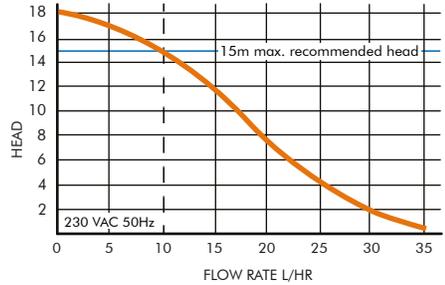
**DURABLE DESIGN**

Thanks to a strong outer casing the BLUEDIAMOND IP Pump can withstand far rougher treatment than comparable other pumps on the market.

## DIMENSIONS (MM)



## PERFORMANCE



Suspended by threaded rod for ceiling units, or mounted directly in the drain pan, the IP Pump is quick and easy to install. A powerful pumping principle offers reliable performance with minimal sound and vibration.

Suitable for ducted units, cassette units and floor standing units, the IP Pump is a perfect fit for commercial installations.

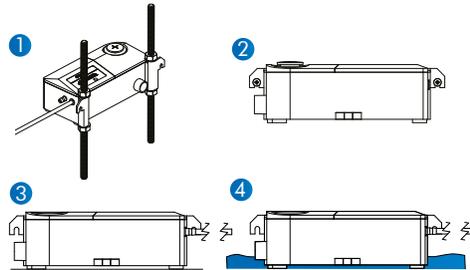


## KEY FEATURES

- ✓ Easy maintenance.
- ✓ Can be located in drain pan.
- ✓ Compact & powerful.
- ✓ Multiple installation options.

## SPECIFICATION

MAX. FLOW	35L/H @ 0M HEAD
MAX. REC. HEAD	15M
TANK CAPACITY	0.24L
SOUND LEVEL	35dB(A) @ 1M
POWER SUPPLY	230 VAC, 0.1A, 16W, 50/60HZ
CLASS	II APPLIANCE
MAX. UNIT OUTPUT	46KW / 157,000BTU/H
MAX. WATER TEMP	40°C / 104°F
INLETS	x2 22MM, 12MM & 27MM
OUTLETS	6MM & 10MM
IP PROTECTION	IP65
SAFETY SWITCH	3.0A NORMALLY CLOSED
FULLY POTTED	YES



- 1 ROD MOUNTED
- 2 WALL MOUNTED
- 3 FLOOR MOUNTED
- 4 PLACED IN DRIP TRAY

# SENSING & ACCESSORY GUIDE

## SENSING OPTIONS

	MICROBLUE™	MINIBLUE™	MINIBLUE <sub>+</sub>	MAXIBLUE™	MAXIBLUE <sub>+</sub> <small>SD</small>	MEGABLUE™
TEMPERATURE SENSOR S12-002	✓	✓		✓		✓
DRAINSTIK® S12-004				✓		✓
CR PLUG P02-048		✓	✓	✓		✓
MAXIBLUE® RESERVOIR C21-013	✓		✓	✓	✓	
MEGABLUE® RESERVOIR C21-008						✓

## ACCESSORY OPTIONS

	MICROBLUE™	MINIBLUE™	MINIBLUE <sub>+</sub>	MAXIBLUE™	MAXIBLUE <sub>+</sub> <small>SD</small>	MEGABLUE™
5M CABLE EXTENSION C13-103	✓	✓	✓	✓	✓	✓
RIGID STEP ADAPTER C01-231	✓	✓	✓	✓	✓	✓
FLEXI STEP ADAPTER C01-226	✓	✓	✓	✓	✓	✓
MULTITANK C21-014			✓	✓	✓	✓
MOUNTING FEET F10-011		✓	✓	✓	✓	✓
FASCIA KIT T01-016	✓					

# FASCIA KIT & ACCESSORIES



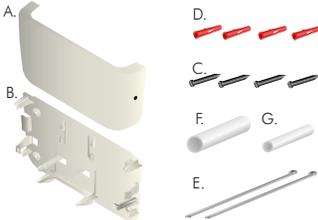
The BlueDiamond Fascia kit has been specially adapted to fit the MICROBLUE® condensate pump. It can accommodate the pump and the new clear reservoir with the ability to hide various cables and tubing at the same time. The Fascia kit has a easy to use detachable cover and sits nicely under any Air Conditioning Unit.

**T01-016**

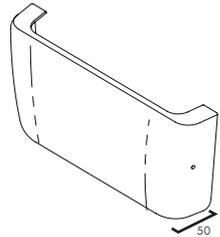
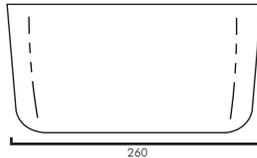
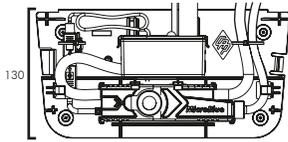
**\*PUMP NOT INCLUDED\***

## IN THE BOX

- A. Cover (x 1)
- B. Base Plate (x 1)
- C. Mounting screws (x 4)
- D. Wall Plug (x 4)
- E. Cable Tie (x 1)
- F. A/C Outlet Tube 100mm (x 1)
- G. Connector Tube 140mm (x 1)



## DIMENSIONS (MM)



## EXTENSION CABLE



**C13-103**

The 5 metre (6ft) extension cable has been designed to fit the entire BLUEDIAMOND range of pumps and sensors.

## MOUNTING FEET



**F10-011**

Mounting feet have been specially designed to reduce noise in sound critical applications.



# SENSING OPTIONS

## RESERVOIR SENSOR



C21 - 103

With no moving parts the MAXIBLUE reservoir sensor offers a reliable alternative to stuck or sunken float switches. Incorporating the patented and proven BLUEDIAMOND thermistor technology the hi-low solid state level sensor only runs the pump when condensate is produced.

## MEGABLUE RESERVOIR SENSOR



C21 - 008

With no moving parts, the MEGABLUE reservoir sensor offers a reliable alternative to stuck or sunken float switches. Incorporating the patented and proven BLUEDIAMOND thermistor technology, the hi-low solid state level sensor only runs the pump when condensate is produced.

## TEMPERATURE SENSOR



S12 - 002

The hot and cold temperature sensor mounts in the air inlet and outlet of the room unit, sensing when cooling occurs. The temperature sensor runs the pump constantly when air conditioning is on, regardless of whether condensate is being produced.

## DRAINSTIK



S12 - 004

The BLUEDIAMOND patented DRAINSTIK is quick and simple to install or retrofit around any existing installation. The slim line probe, which houses the water sensors and high level alarm, can be directly mounted into the drain tube of all types of equipment. The slim line probe, which houses the water sensors and high level alarm, can be directly mounted into the drain tube of all types of equipment.

## CR PLUG



P02 - 048

The CR plug runs the complete range of BLUEDIAMOND pumps continuously when connected to the pump. Ideal for using as a test plug or for alternative methods of controlling the on/off operation of the pumps.

# POWER CONSUMPTION



The BLUEDIAMOND pump range prides itself on its massively increased power efficiency in comparison to other condensate pump options in the market. In turn our low power consumption gives us a competitive edge and ability to meet low power building regulations. In an ever more environmentally conscious world, the massive financial benefit of using less energy is partnered with the crucial benefit of being kinder to the planet and its resources.

## MICROBLUE®

VOLTAGE	240	V
FREQUENCY	50	Hz
CURRENT DRAW	0.04	A
POWER	2.6	W
	9.4	VA
POWER FACTOR	0.29	

## MINIBLUE®

VOLTAGE	240	V
FREQUENCY	50	Hz
CURRENT DRAW	0.02	A
POWER	5.5	W
	5.7	VA
POWER FACTOR	0.96	

## MAXIBLUE®

VOLTAGE	240	V
FREQUENCY	50	Hz
CURRENT DRAW	0.02	A
POWER	5.5	W
	5.7	VA
POWER FACTOR	0.96	

## MEGABLUE®

VOLTAGE	240	V
FREQUENCY	50	Hz
CURRENT DRAW	0.15	A
POWER	12	W
	34	VA
POWER FACTOR	0.36	

\*Individual units are subject to manufacturing tolerances. Performance may vary\*



REFRIGERATION  
PUMP RANGE

# THE PUMP RANGE

## POLARBLUE™

Designed for small free standing fridges.



(Page 22)

## ARCTIKBLUE®

Designed for standard model fridges.



(Page 23)

## ARCTIKBLUE® SLIM

Designed for space premium fridges.



(Page 24)

## THERMISTOR SENSOR (ENERGY EFFICIENT)

The presence of condensate trips the hi-low solid state level sensors to switch the pump on/off. This means that the pump is run only when condensate is produced and the alarm shuts off the unit in the case of a fault, restarting when clear.

The slim filter probe, which houses the water sensors and high level alarm has no moving parts to become clogged or stuck making it an ideal alternative to existing float switches.

## FILTRATION

Protecting the sensors is our swap out guard, the filter element can be changed over as a complete assembly during preventative maintenance service schedules. The main tray is also protected against objects larger than Ø2.5mm allowing the pump to remove condensate, sludge and debris.



## PUMPS SLUDGE & SLIME

A common problem with refrigeration units is the build-up of slime and sludge. What others see as a problem that can be solved by after market cleaning products, our patented design can simply pump and remove that from the system without premature failure.



## PERFORMANCE

MAX FLOW

14 L/ HOUR

MAX HEAD

8 METRES

A compact and slim unit designed for mounting directly underneath 'Grab & Go' display units. Specifically designed to offer the most energy efficiency solution for smaller convenience stores. The POLARBLUE™ maintains the required flexibility when changing the store layout. The POLARBLUE™ is a great solution to limited space applications with its low profile.

Designed for:  
Small drink cabinets



POLARBLUE®

X87-846



WATER TANK CAP.

3 LITRES

PUMP ON/ OFF

330 ML

ALARM ON VOL.

2000 ML



SPACE  
CONSCIOUS

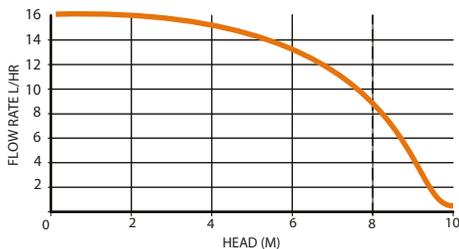
The POLARBLUE™ is half the size of the ARCTIKBLUE® range making it ideal for space conscious applications such as small free standing fridges.



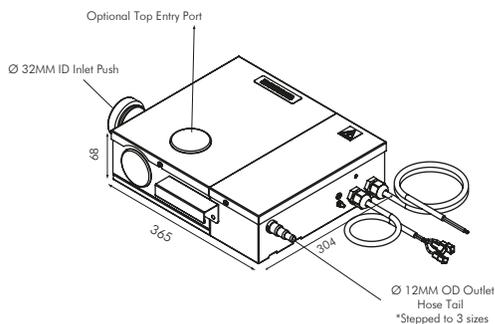
CAN PUMP  
SLUDGE

The POLARBLUE™ has the unique capability of being able to pump sludge that commonly builds up in refrigeration units.

## PERFORMANCE



## DIMENSIONS (MM)



ALARM SIGNAL

0 volt relay

MAX ALARM RATING

5A 250v AC

INPUT VOLTAGE

230V AC, 50/60 Hz

INLET FITTING

Ø 32MM ID PUSH  
FIT CONNECTOR

OUTLET FITTING

Ø 12MM OD HOSE  
TAIL STEPPED 3 SIZES  
Ø 9.5MM (5/8")  
Ø 12.7MM (1/2")  
Ø 15.5MM (3/8")

## PERFORMANCE

MAX FLOW

50 L/ HOUR

MAX HEAD

20 METRES

The market leading lowest profile dairy pump available. The ARCTIKBLUE Slim easily sits below even the lowest profile kick-plates. Utilising the same pump as the already proven standard ARCTIKBLUE the performance and capability to pump the slime, dirt and debris remains the same. Incorporating a low profile dairy pump into the design of a cabinet gives the advantage of additional refrigerated retail space.

\*LOWEST PROFILE UNIT ON THE MARKET (68MM)



ARCTIKBLUE®

X87-848



WATER TANK CAP.

4.1 LITRES

PUMP ON/ OFF

330 ML

ALARM ON VOL.

3600 ML



LOW  
PROFILE

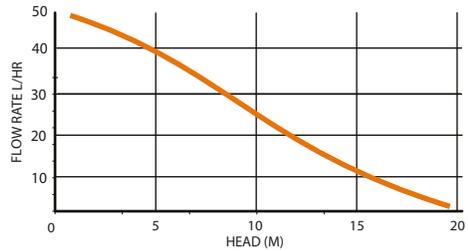
The ARCTIKBLUE® SLIM has been specially adapted to fit under low profile cabinets where space is at a premium. Reducing the need to bore the trays into the ground.



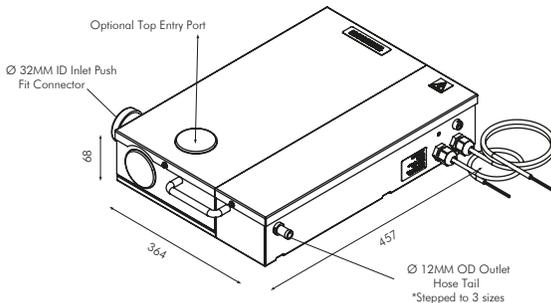
QUICK  
INSTALLATION

The ARCTIKBLUE® SLIM has a minimum amount of components when setting up. Fewer components means less time wasted on installation.

## PERFORMANCE



## DIMENSIONS (MM)



ALARM SIGNAL

0 volt relay

MAX ALARM RATING

5A 240v AC

INPUT VOLTAGE

230V AC, 50/60 Hz

INLET FITTING

Ø 32MM ID PUSH  
FIT CONNECTOR

OUTLET FITTING

Ø 12MM OD HOSE  
TAIL STEPPED 3 SIZES  
Ø 9.5MM (5/8")  
Ø 12.7MM (1/2")  
Ø 15.5MM (3/8")

## PERFORMANCE

MAX FLOW	MAX HEAD
50 L/ HOUR	20 METRES

Proven in service the ARCTIKBLUE® incorporates the MEGABLU® pump in a tough steel tray. Eliminating stuck float switches, the use of the BLUEDIAMOND® thermistor technology quickly and efficiently removes all the condensate from the dairy pan, reducing the conditions that allow organic growth to build up and block drains.

Designed for:  
Large industrial fridges



ARCTIKBLUE®

X87-837



WATER TANK CAP.	PUMP ON/ OFF	ALARM ON VOL.
4.1 LITRES	330 ML	3600 ML



**DURABLE  
DESIGN**

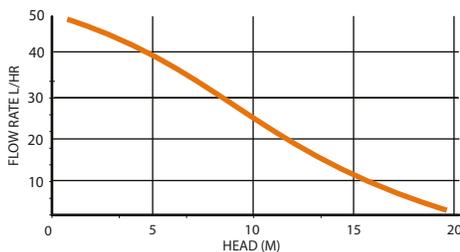
Thanks to a strong steel casing the ARCTIKBLUE® can withstand far rougher treatment than many other cabinet pumps on the market.



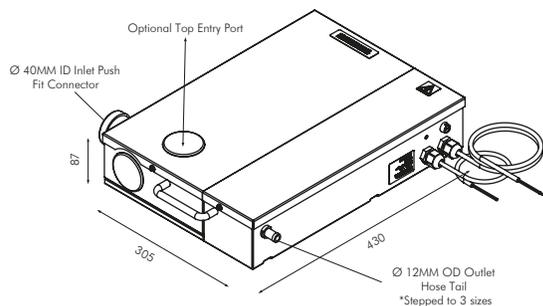
**CAN PUMP  
SLUDGE**

The ARCTIKBLUE® has the unique capability of being able to pump sludge that commonly builds up in refrigeration units.

## PERFORMANCE



## DIMENSIONS (MM)



## ALARM SIGNAL | MAX ALARM RATING

0 volt relay | 5A 240v AC

## INPUT VOLTAGE

230V AC, 50/60 Hz

## INLET FITTING

Ø 40MM ID PUSH  
FIT CONNECTOR

## OUTLET FITTING

Ø 12MM OD HOSE  
TAIL STEPPED 3 SIZES  
Ø 9.5MM (5/8")  
Ø 12.7MM (1/2")  
Ø 15.5MM (3/8")

# SWAP OUT KITS

## POLARBLUE™ SWAP OUT KIT



### SWAP OUT KIT

X87-847



### APPLICATION



The POLARBLUE swap out kit consists of the replacement pump and sensor. Its versatile design enables it to pump debris and slime without hampering its performance.

## ARCTIKBLUE® SWAP OUT KIT **SLIM**



### SWAP OUT KIT

X87-836



### APPLICATION



The ARCTIKBLUE SLIM swap out kit consists of the replacement pump and sensor. With the ability to pump up to 50 L/hour. The ARCTIKBLUE SLIM uses a faultless design enabling it to maintain a powerful flow.

## ARCTIKBLUE® SWAP OUT KIT



### SWAP OUT KIT

X87-836



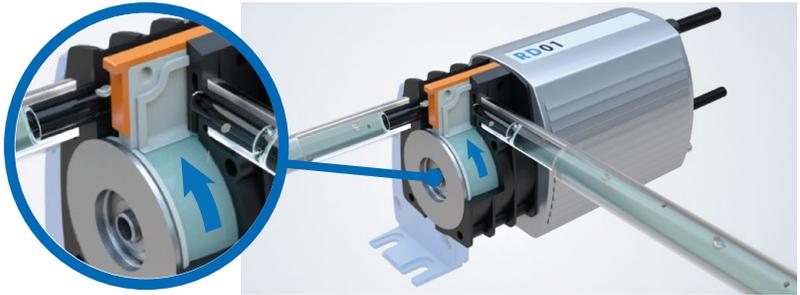
### APPLICATION



The ARCTIKBLUE swap out kit consists of the replacement pump and sensor. The ARCTIKBLUE has the ability to pump up to 50 L/hour and uses the patented rotary diaphragm technology to run dry, self prime and pump debris.

# THE TECHNOLOGY

PUMPS DEBRIS, AIR & LIQUID



## ROTARY DIAPHRAGM PUMPING PRINCIPLE

Rotary diaphragm pumps use unique Charles Austen patented technology. The flow of liquid is initiated by an eccentrically mounted bearing on a drive shaft revolved within a flexible diaphragm. As the shaft rotates, the bearing flexes the diaphragm, squeezing liquid through the pump. These pumps have outstanding self-priming characteristics and are of a valve-less, seal-less design making it suitable for condensate removal.



SELF PRIMING



POWERFUL PUMPING



BESPOKE DESIGN



NO MAINTENANCE



PATENTED DESIGN



PUMPS DEBRIS



RUN DRY



VISCOUS PUMPING



COMPACT SIZE



WHISPER QUIET



## GYROK™ PUMPING PRINCIPLE

With similar capabilities The patented GyRok pumping principle employs a elastomeric conical diaphragm displaced by a number of legs positioned annularly around a nutating drive element. The legs provide control of almost the entire diaphragm, giving outstanding self-priming characteristics. The pump is whisper quiet, able to tolerate extended periods of dry-running and can be mounted in any orientation in a number of locations, both above and below false ceilings.

## PUMP ALARM SYSTEMS

**FSA-** Fail safe alarm, a volt free relay designed to switch the AC unit off, but leaves the pump running continuously when the condensate reaches a critical point in the reservoir.

**HLA-** High Level Audio is an integral audio and visual alarm. When the condensate is at a critical point with-in the reservoir, the diagnostic light in the pump will switch from green and will start to flash red with a 2 beep warning every minute. The pump will continue to operate while in alarm mode.

# PUMP SELECTOR GUIDE

BLUEDIAMOND PUMP SELECTOR GUIDE	INDUSTRY		UNIT				PERFORMANCE				INSTALLATION			
	AIR CONDITIONING	REFRIGERATION	3.5 KW	3.5 - 5 KW	5 - 8 KW	8 - 14 KW	14 - 50 KW	MAX FLOW (L/HR)	MAX HEAD (M)	MAX LIFT (M)	SOUND (DBA)	IN UNIT	DUCTING	REMOTELY
<b>MICROBLUE™</b>	✓		✓					5	5	2	17	✓	✓	✓
<b>MINIBLUE®</b>	✓			✓	✓			8	8	5	21			✓
<b>MINIBLUE<sub>R</sub></b>	✓			✓	✓			8	8	5	21	✓	✓	✓
<b>MAXIBLUE®</b>	✓					✓		14	8	8	21	✓		✓
<b>MAXIBLUE<sub>PRO</sub></b>	✓					✓		14	8	8	21	✓		✓
<b>MEGABLUE®</b>	✓	✓					✓	50	20	7	23			✓
<b>IP PUMP®</b>	✓	✓				✓	✓	35	15	-	35	✓	✓	✓
<b>POLARBLUE™</b>		✓						14	8	-	23			
<b>ARCTIKBLUE®</b> <small>ISO 201</small>		✓						50	20	-	23			
<b>ARCTIKBLUE®</b>		✓						50	20	-	23			

\*Contact us if you have any OEM or bespoke condensate removal requirements.



## WANT TO BECOME A DISTRIBUTOR?

BLUEDIAMOND are always looking to grow their distribution network. For more information on how to become a specialised wholesaler of the range email: [info@bluediamondpump.com](mailto:info@bluediamondpump.com) or visit: [www.bluediamondpumpsdistributors.com](http://www.bluediamondpumpsdistributors.com)

S30-622/4

Manufactured by:

