

# BLUEDIAMOND<sup>®</sup>

CONDENSATE REMOVAL PUMPS



**CONTACT US**

+44 (0)1932 355277  
INFO@BLUEDIAMOND.PUMP.COM





# DID YOU KNOW?

This iconic London Building holds 2500 MAXIBLUE<sup>®</sup> PRO pumps. One of many superstructures using BLUEDIAMOND<sup>®</sup> technology around the world.



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



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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 offered 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 updating resources to keep in step with the ever evolving landscape.

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

## DEVELOPED IN THE UK

### PROUDLY DESIGNED IN BRITAIN

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.

## MANUFACTURING

### PROUDLY MANUFACTURED IN BRITAIN

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.

## WAREHOUSING

### PROUDLY AVAILABLE WORLDWIDE

BLUEDIAMOND® condensate removal pumps are available globally. Using UK, European & 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.



MANUFACTURED BY  
**CHARLES AUSTEN**  
PUMPS LTD

### CONTACT US

+44 (0)1932 355277

INFO@BLUEDIAMONDPUMP.COM





# THE PUMP RANGE



## MICROBLUE

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## MINIBLUE

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## MAXIBLUE

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## MEGABLUE

(Page 12)

# WHY BLUEDIAMOND?



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, giving you a competitive edge and versatility in every installation.



PUMPS DEBRIS

The BLUEDIAMOND® range are the only ductless pumps 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 BLUEDIAMOND® range 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.



PATENTED

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.



ULTRA RELIABILITY

The BLUEDIAMOND® range utilises our inherently reliable rotary diaphragm technology. Meaning it can pump air, liquid and sediment at the same time without burnouts or failures.



CAN PUMP SLUDGE

The BLUEDIAMOND® range has the unique capability of being able to pump biofilm that commonly builds up in air conditioning and refrigeration units.



3 YEAR WARRANTY

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



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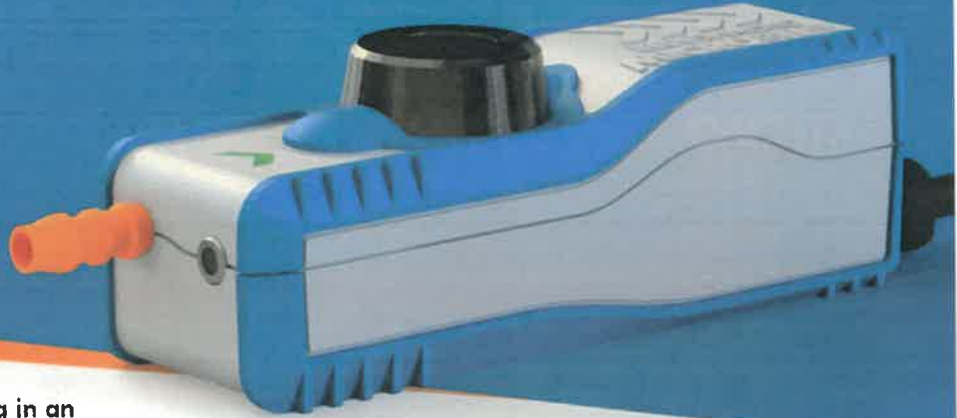
# MICROBLUE®

**UNIT**  
3.5 KW

  
**17dba**

  
**GYROK™  
TECHNOLOGY**

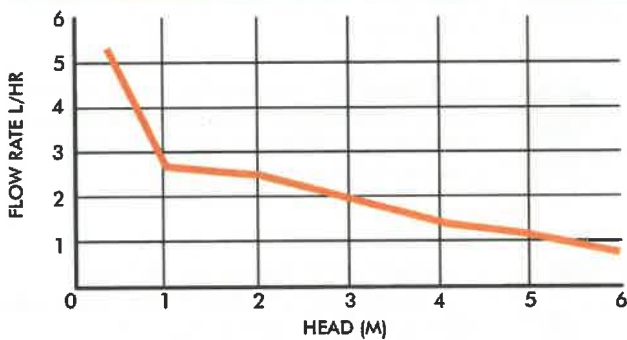
**3 YEAR  
WARRANTY**



- The MICROBLUE® offers powerful pumping in an ultra-compact, dual-voltage, anti-vibration design
- Using revolutionary, dynamic diaphragm control technology, the MICROBLUE® is totally self-priming
- The MICROBLUE® utilises BLUEDIAMOND® onboard intelligence, which dynamically adjusts the pump to condensate levels, operating in the quietest and most efficient manner

## PERFORMANCE

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

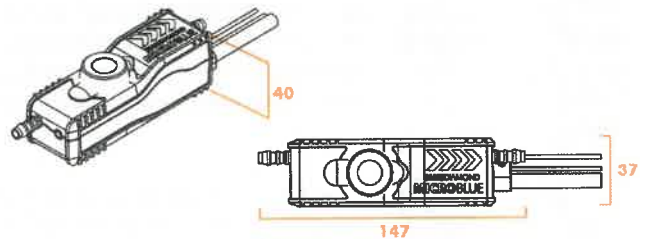


## SENSING OPTION

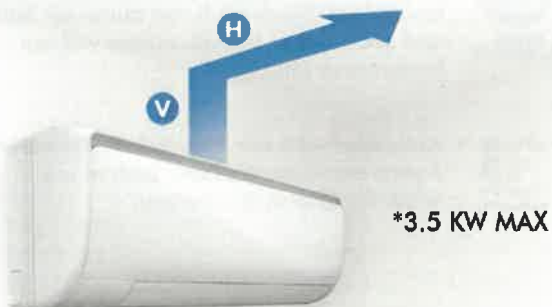
MICROBLUE® pump available with:

RESERVOIR (HLA-PACK)	RESERVOIR (FSA-PACK)
X86-001	X86-002
	

## DIMENSIONS (MM)



## DISCHARGE PIPE RUN



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

The MICROBLUE® can be mounted in any orientation up to 2m away from the air conditioning unit.

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# MICROBLUE®

## WITH RESERVOIR & DUCTING KIT

**UNIT**  
3.5 KW

  
17dba

  
GYROK™  
TECHNOLOGY

**3**  
YEAR  
WARRANTY

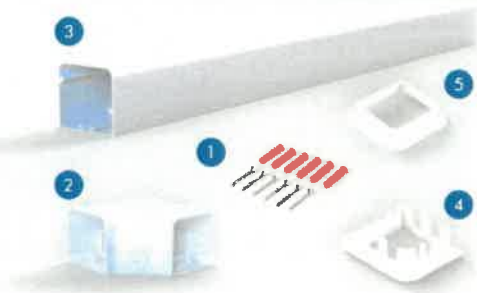


- The MICROBLUE® with reservoir & ducting is one of the tidiest and most discrete ways to install the MICROBLUE®
- Sits nicely along side any air-conditioning unit
- Designed to make installation easy and enables you to access the pump, reservoir and insulated pipework when required
- The kit is equipped with all fixtures, fittings and spacers that you need

### IN THE BOX

MICROBLUE® with Reservoir & Ducting Kit comes with:

- 1 6x Screws
- 2 1x Elbow
- 3 1x Ducting
- 4 1x Collar
- 5 1x Spacer

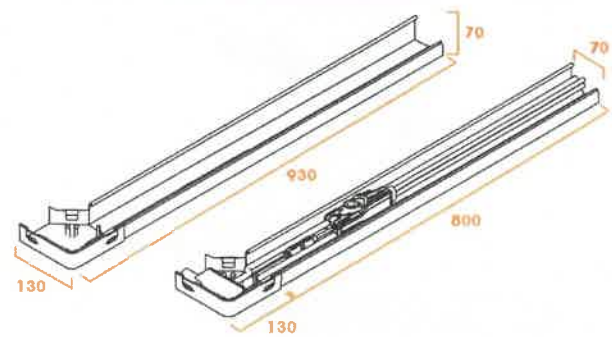


### OPTIONS

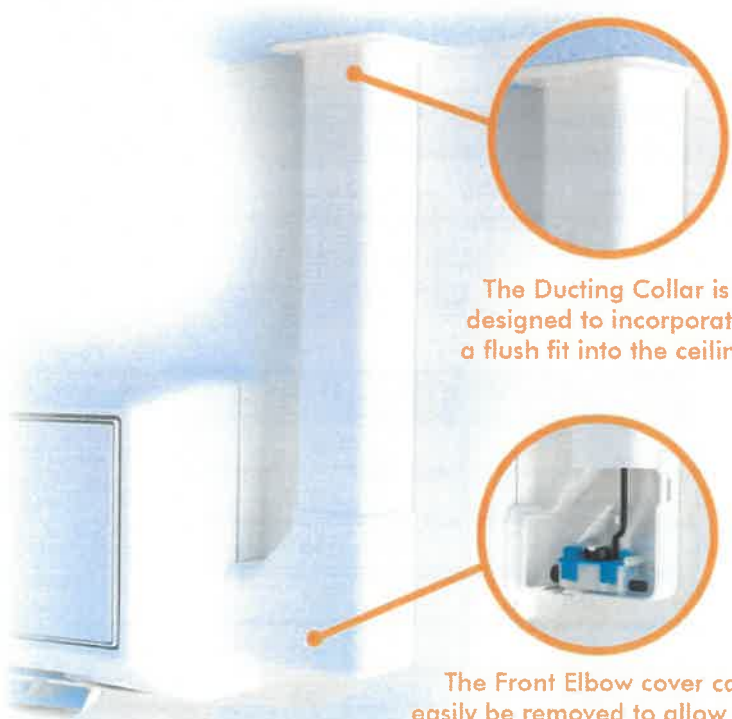
MICROBLUE® with Reservoir & Ducting Kit pump available in:

X86-507 (IVORY)	X86-508 (WHITE)
RAL. 9002	RAL. 9003

### DIMENSIONS (MM)



\*Ducting height can be cut down to fit the user's requirements



The Ducting Collar is designed to incorporate a flush fit into the ceiling

The Front Elbow cover can easily be removed to allow easy access to the Reservoir and MICROBLUE®, whilst maintaining a flush fit to the AC unit



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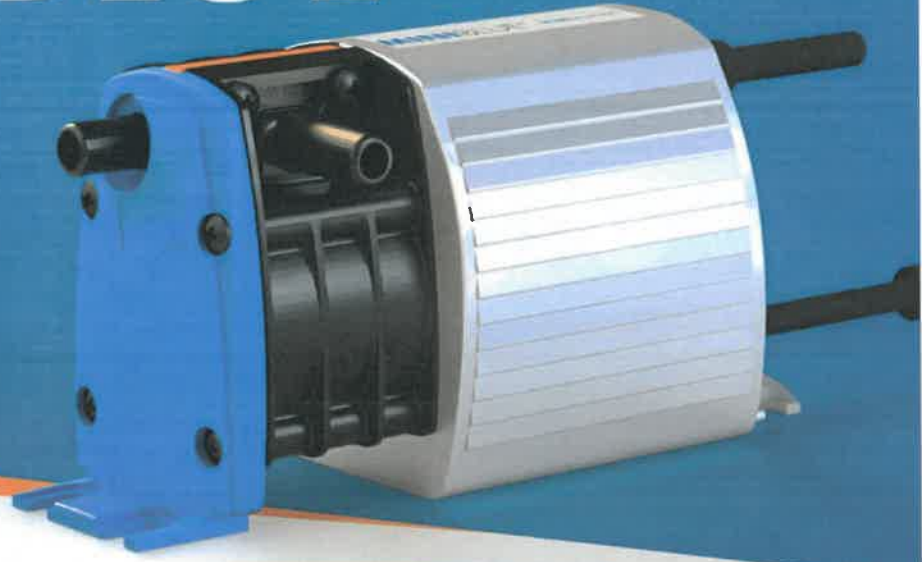
# MINIBLUE®

**UNIT**  
3.5-8 KW

  
**21dba**

  
**ROTARY  
DIAPHRAGM**

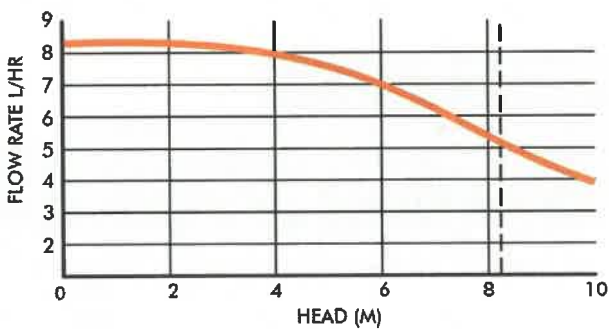
**3** YEAR  
WARRANTY



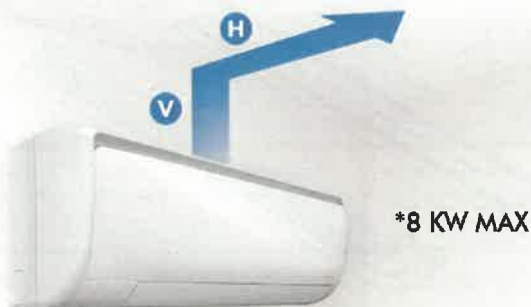
- The MINIBLUE® is able to run either wet or dry
- Whisper quiet whilst removing condensate and debris
- Inherently reliable whilst self priming it gives peristaltic performance at the price of a piston pump
- Small enough to quickly fit, or retro fit into any existing installation

## PERFORMANCE

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



## DISCHARGE PIPE RUN

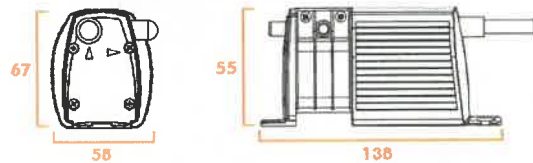


## SENSING OPTION

MINIBLUE® pump available with:

CR PLUG	TEMPERATURE SENSOR
X87-500	X87-504
	

## DIMENSIONS (MM)



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

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

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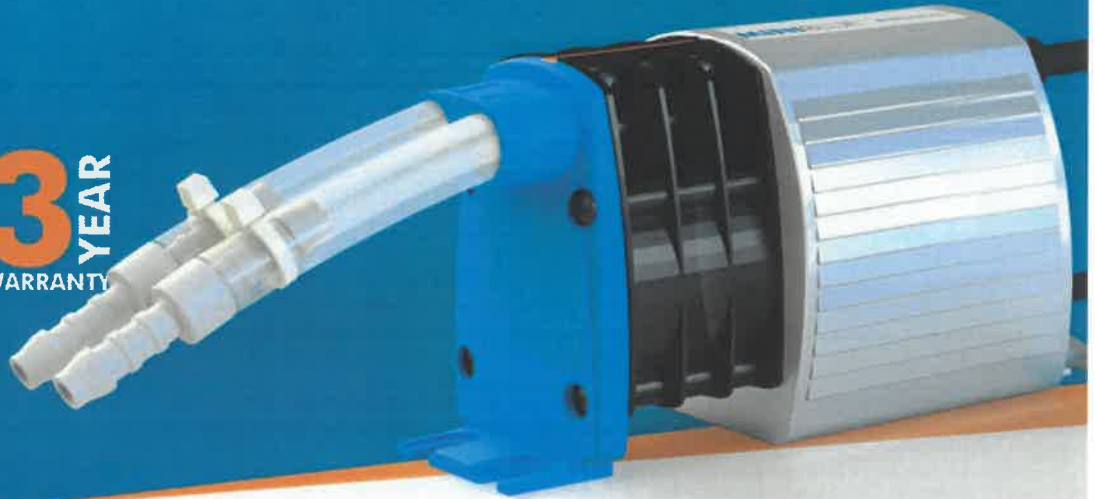
# MINIBLUE<sup>®</sup> R

**UNIT**  
3.5-8 KW

  
**21 dba**

  
ROTARY  
DIAPHRAGM

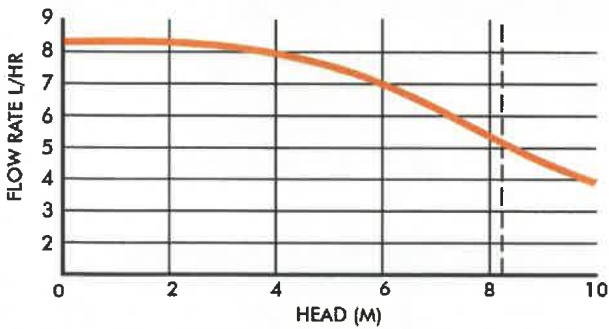
**3**  
YEAR  
WARRANTY



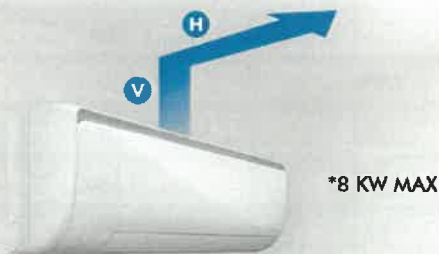
- Designed to combine performance, reliability and installation flexibility.
- Compact enough to mount remotely and incorporate the electronics needed to operate the unique thermistor controlled reservoir sensor
- MINIBLUE R<sup>®</sup> operates only when condensate is present

## PERFORMANCE

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



## DISCHARGE PIPE RUN



## SENSING OPTION

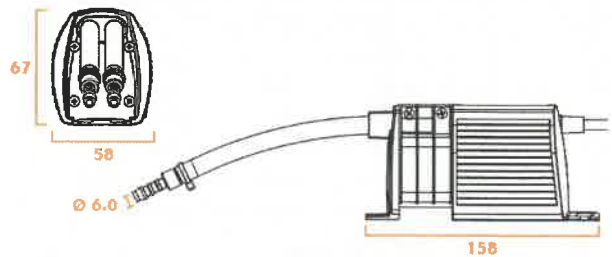
MINIBLUE R<sup>®</sup> pump available with:

### RESERVOIR

X87-509



## DIMENSIONS (MM)



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

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



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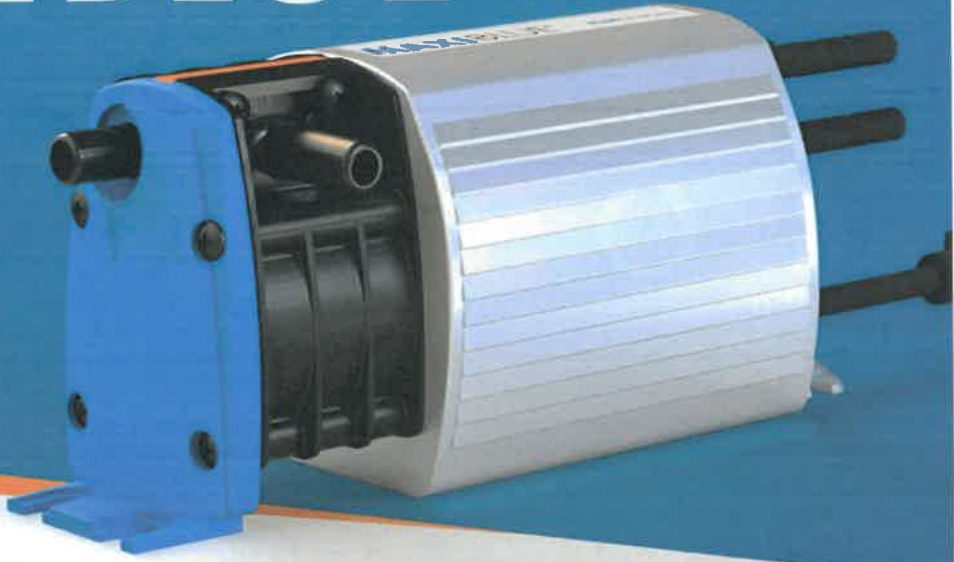
# MAXIBLUE®

**UNIT**  
8-14 KW

  
**21dba**

  
**ROTARY  
DIAPHRAGM**

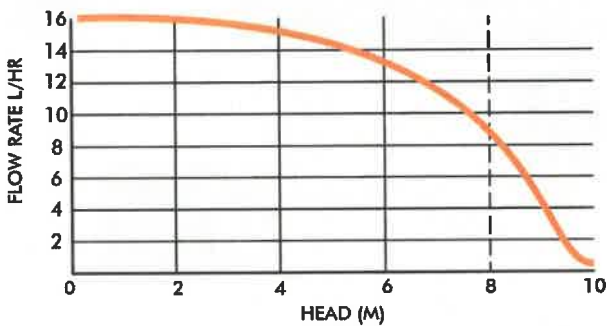
**3 YEAR  
WARRANTY**



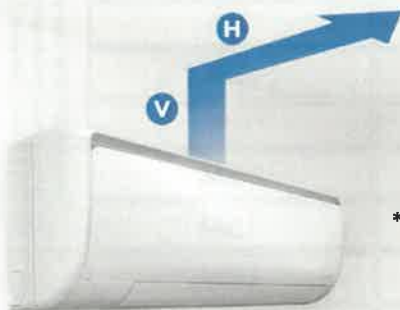
- The MAXIBLUE® is designed for high humidity environments with high performance requirement
- Suited for mid range air conditioning systems
- Ideal for installations in environments that are both demanding and expensive to access for maintenance
- Backed by a multi year warranty and with class leading performance/suction lift

## PERFORMANCE

MAX FLOW	MAX HEAD	MAX LIFT
14L/HOUR	<b>8 METRES</b>	8 METRES



## DISCHARGE PIPE RUN



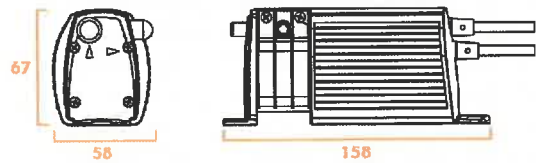
\*14 KW MAX

## SENSING OPTION

MAXIBLUE® pump available with:

RESERVOIR	TEMPERATURE SENSOR
X87-701	X85-703
	

## DIMENSIONS (MM)



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

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

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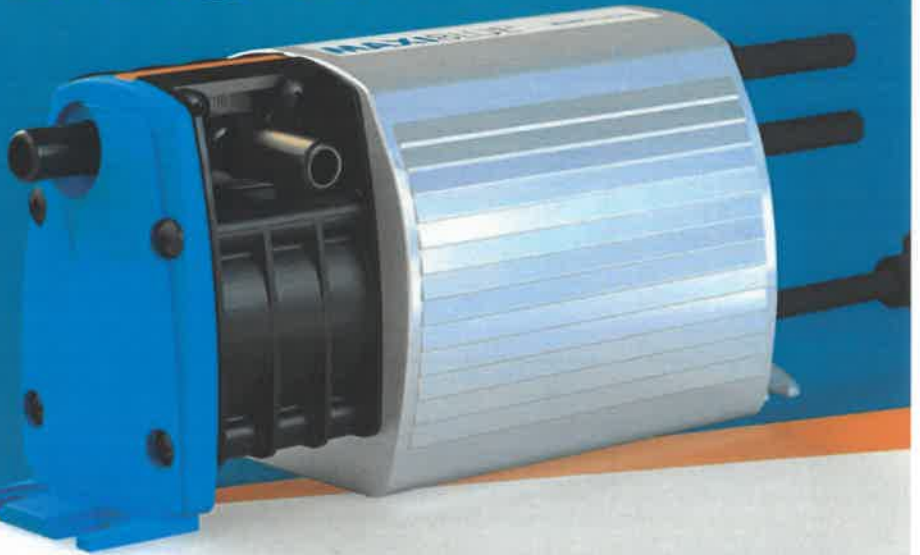


# MAXIBLUE<sup>®</sup> PRO

UNIT  
8-14 KW



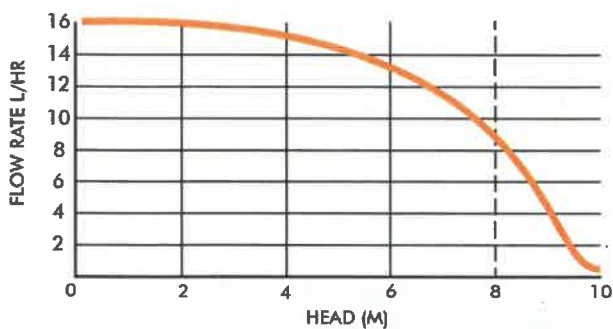
3 YEAR  
WARRANTY



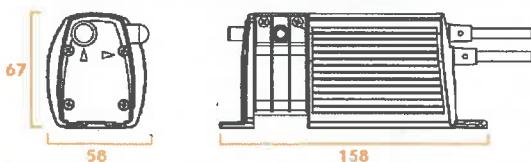
- The MAXIBLUE<sup>®</sup> PRO is designed specifically for architects and specifiers as a time-saving condensate removal package
- Designed to be a stress-free and simple solution. The package substitutes multiple components and part numbers into a single part number with assurance on component compatibility

## PERFORMANCE

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



## DIMENSIONS (MM)



## IN THE BOX

PART NO. X87-707

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



- 1x Blue 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 24mm of 6.3mm ID braided PVC discharge hose (marked at meter intervals)



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 will save you time when integrating air condition units into your design.



The MAXIBLUE<sup>®</sup> PRO package utilises 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.

"The MAXIBLUE PRO was perfect for specification on our project. It's a complete package and that saved us a lot of time and effort"

- GEOFF SMITH



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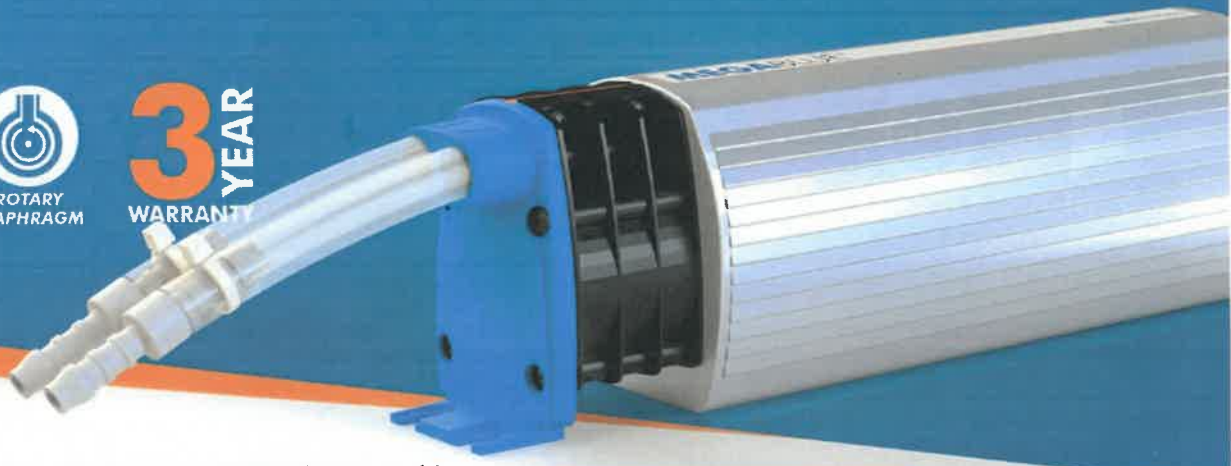
# MEGABLUE®

**UNIT**  
14-50 KW

  
**23dba**

  
**ROTARY  
DIAPHRAGM**

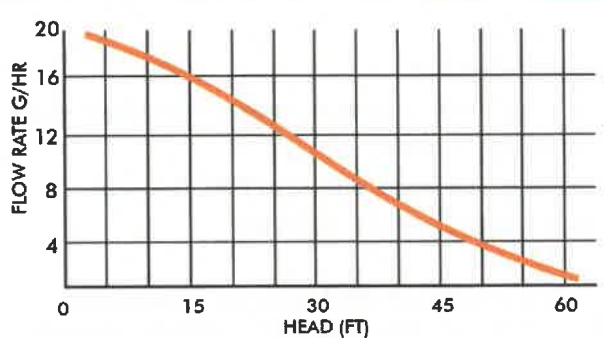
**3**  
**YEAR**  
**WARRANTY**



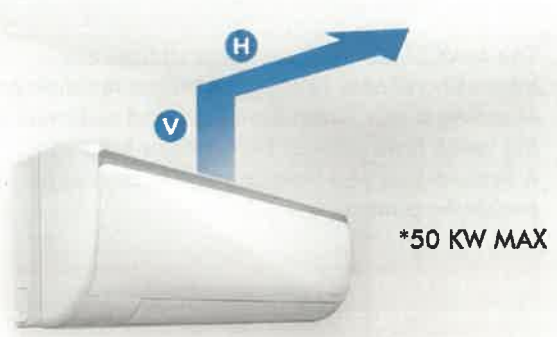
- The MEGABLUE® has a slimline, lightweight design and is whisper quiet
- Has the performance to overcome installation challenges
- Uses the BlueDiamond® revolutionary patented principle, making it inherently reliable
- No cost penalty up front but big savings on installation and in service beyond

## PERFORMANCE

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





## DISCHARGE PIPE RUN

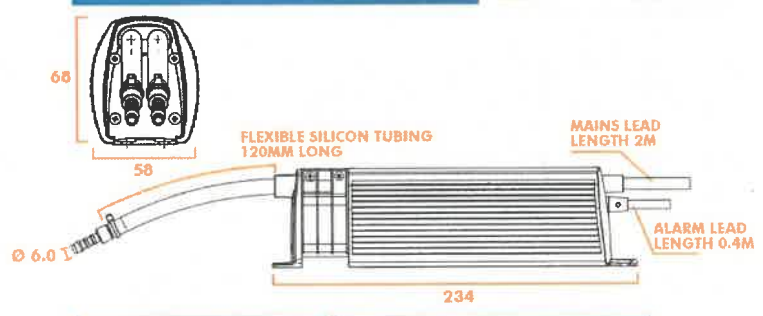


## SENSING OPTION

MEGABLUE® pump available with:

RESERVOIR	TEMPERATURE SENSOR
X87-813	X87-814
	

## DIMENSIONS (MM)



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

The MEGABLUE® can be mounted in any orientation up to 7m away from the air conditioning unit.

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INFO@BLUEDIAMONDPUMP.COM





# MULTITANK

**3** YEAR  
WARRANTY



- The MULTITANK is favoured among architects and design consultants
- Compatible 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
- Several fan coil units are manifolded into the 1.5 Litres MULTITANK
- Offers the installer complete flexibility surrounding any multi-unit installation

#### OPTION 1:

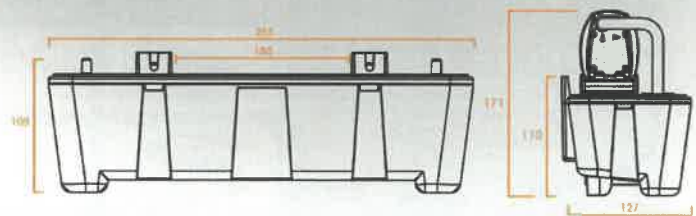
### MULTITANK WITH MAXIBLU<sup>®</sup>

\*PUMP SOLD SEPARATELY



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.

#### DIMENSIONS (MM)



#### OPTION 2:

### MULTITANK WITH MEGABLU<sup>®</sup>

\*PUMP SOLD SEPARATELY



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.

### 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.



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# SENSING & ACCESSORY GUIDE

## 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

		MICROBLUE	MINIBLUE	MINIBLUE+	MAXIBLUE	MAXIBLUE+	MEGABLUE
TEMPERATURE SENSOR S12-002			✓		✓		✓
CR PLUG P02-048			✓	✓	✓	✓	✓
MICROBLUE® RESERVOIR C21-001		✓					
MAXIBLUE® RESERVOIR C21-013				✓	✓	✓	
MEGABLUE® RESERVOIR C21-008							✓

### ACCESSORY OPTIONS

		MICROBLUE	MINIBLUE	MINIBLUE+	MAXIBLUE	MAXIBLUE+	MEGABLUE
5M CABLE EXTENSION C13-103			✓	✓	✓	✓	✓
RIGID STEP ADAPTER C01-231		✓	✓	✓	✓	✓	✓
MULTITANK C21-014					✓	✓	✓
MOUNTING FEET F10-011			✓	✓	✓	✓	✓





# 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 consumption building regulations. In an ever more environmentally conscious world, the massive financial benefit of using less energy is now partnered with the crucial benefit of being kinder to the planet and its resources.

## MICROBLUE®

VOLTAGE	240	V
FREQUENCY	50	Hz
CURRENT DRAW	0.06	A
POWER	3.75	W
	14.4	VA
POWER FACTOR	0.26	

## 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\*



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# ARCTIKBLUE®

**PART NO.**  
X87-859

A common problem with refrigeration units is the build-up of biofilm. 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.



**WATCH TO  
LEARN MORE**



## ENGINEER FRIENDLY

The ARCTIKBLUE® is designed with the installer at mind, offering engineer friendly, universal fridge fittings.



## DURABLE DESIGN

Drawn from a single piece of thick-gauge stainless-steel, the ARCTIKBLUE® tray can withstand far rougher treatment than any other cabinet/dairy pumps on the market.



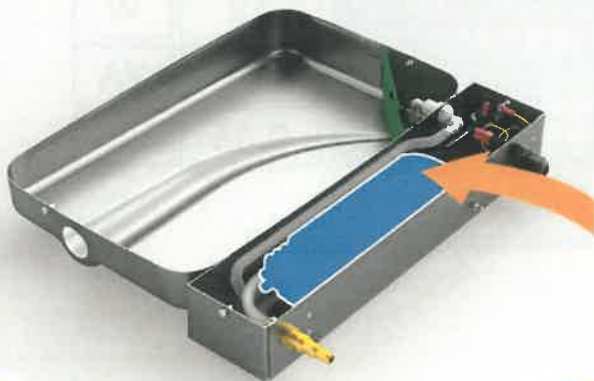
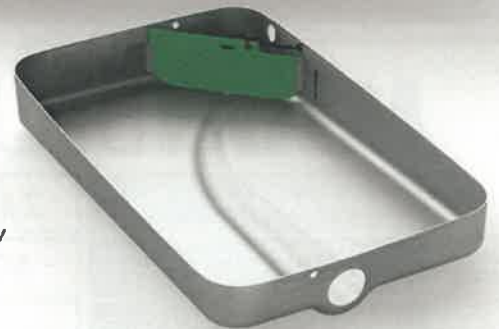
## LOW PROFILE

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



## DRY DRAIN CHANNEL

The new and improved condensate channelling, designed to direct every drop of condensate to the inlet of the pump, completely vacates the tray of liquid.



## SWAP OUT KIT

X87-861



## ARCTIKBLUE® SWAP OUT KIT

The ARCTIKBLUE® swap out kit consists of the replacement pump and sensor.





**PART NO.**

**X87-859**

# ARCTIKBLUE®



**23dba**



ROTARY  
DIAPHRAGM

**3** YEAR  
WARRANTY



- The ArctikBlue® is designed to collect, filter and pump condensate water from refrigeration units during daily operation and defrost cycles
- The rotary diaphragm pump provides a quiet, reliable and self priming operation

## PERFORMANCE

MAX FLOW	MAX HEAD
<b>50L/HOUR</b>	<b>20 METRES</b>

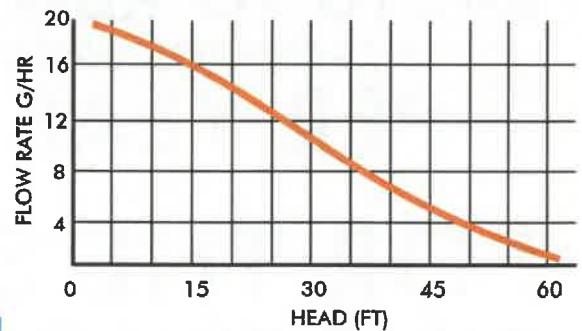
WATER TANK CAP.	PUMP ON/OFF	ALARM ON VOL.
<b>4.1 LITRES</b>	<b>330 ML</b>	<b>3600 ML</b>

ALARM SIGNAL	MAX ALARM RATING
<b>0 volt relay</b>	<b>5A 240v AC</b>

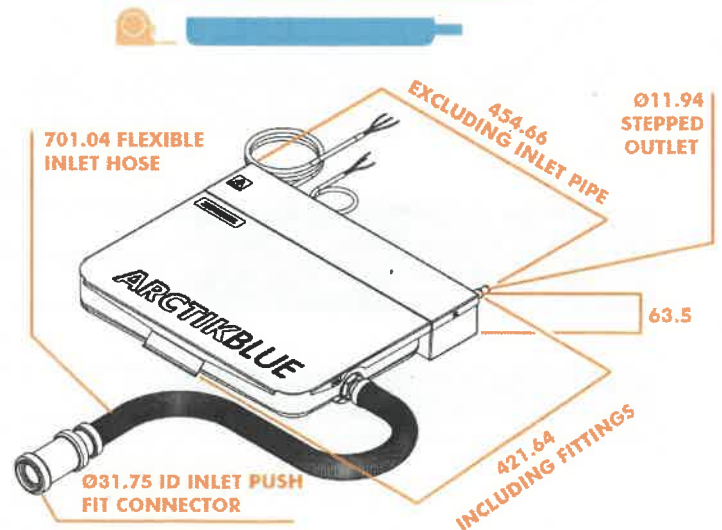
INPUT VOLTAGE
<b>230v AC, 50 Hz</b>

INLET FITTING	OUTLET FITTING
<b>Ø 40MM ID PUSH FIT CONNECTOR</b>	<b>Ø 12MM OD HOSE TAIL STEPPED 3 SIZES</b> Ø 9.5 MM (5/8") Ø 12.7 MM (1/2") Ø 15.5 MM (3/8")

## PERFORMANCE



## DIMENSIONS (MM)



## CONTACT US

+44 (0)1932 355277  
 INFO@BLUEDIAMONDPUMP.COM



# BEAT THE ENERGY CRISIS: SAVE MONEY

SAVE UP TO £848.69 PER FRIDGE PER YEAR

£4310 TO RUN  
**5** EVAPORATOR PANS  
 PER YEAR



FOR THE SAME  
 £4310 YOU CAN RUN  
**1622** ARCTIKBLUE®  
 DAIRY PUMPS!



WHEN YOU BURN CONDENSATE, YOU BURN PROFIT!

	ARCTIKBLUE*	EVAPORATOR PAN
POWER COMSUMPTION	12W	400W
COST TO RUN PER YEAR	£2.66	£851.35
5 CASES PER STORE (AVERAGE)		
ANNUAL COST PER STORE	£13.28	£4256.73

\*Average KW p/hr at £0.24 across Europe in 2022.

Average usage of ARCTIKBLUE is 2.5 hours a day, Evaporator pan runs 24 hours a day

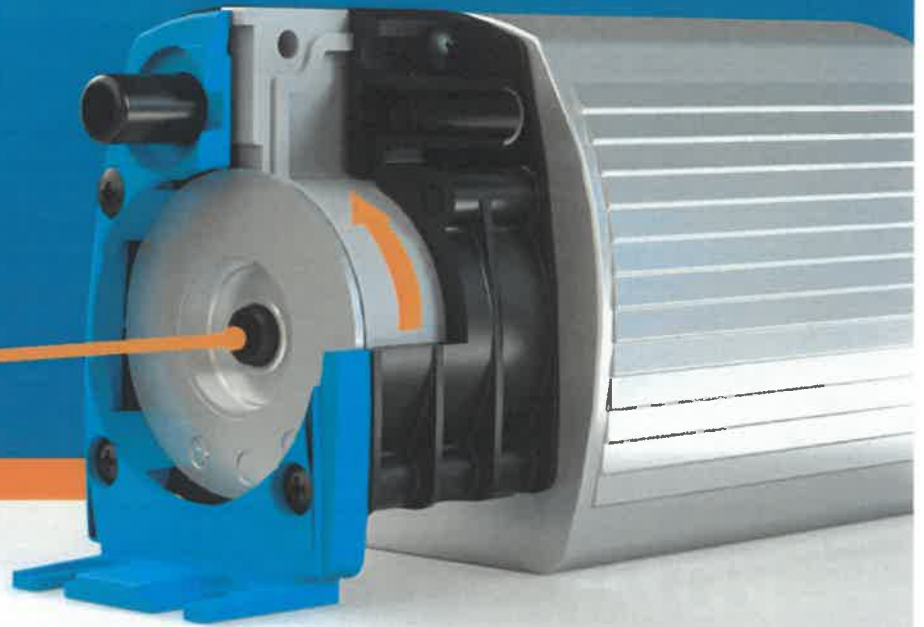




# THE TECHNOLOGY



**3** YEAR WARRANTY



**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.



## 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 within 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.






**CONTACT US**




























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# 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, please contact us via one of the following:

-  +44 (0)1932 355 277
-  [info@bluediamondpump.com](mailto:info@bluediamondpump.com) or
-  [www.bluediamondpumpsdistributors.com](http://www.bluediamondpumpsdistributors.com)

## 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*</b>								8	8	5	21			
<b>MAXIBLUE*</b>								14	8	8	21			
<b>MAXIBLUE*</b>								14	8	8	21			
<b>MEGABLUE*</b>								50	20	7	23			
<b>ARCTIKBLUE*</b>								50	20	-	23			

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

530-622/6

