Pump House

Easy~Fit   Fixings   Flexi   Install +   Partners   PH Family   PH Motors   Portable   Service +   Squeezy

all under one roof...

Welcome

It gives me great pleasure to present our new look **Pump House Catalogue**.

> Welcome to our new look catalogue for 2016. I'm proud to introduce our team who are featured throughout the following pages. The Pump House team are here to ensure we serve you with excellence.

Dave Bass
Managing
Director

The new **fixings** and **isolator range** add a new dimension to our product lines, along with exciting additions to the **Flexi range**; not forgetting the launch in spring of our **window rattler** using R32 environmentally friendly refrigerant.

We hope you enjoy our products better than ever and look forward to your continued support.

Many thanks from all of us at Pump House!

Dave Bass

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Condensate Removal – Pump Selection Chart

Tank Condensate Pumps

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PH-1L		6m	270 LPH	Our own branded 1 litre tank pump solves the problem of space, cost and reliability	Page 9
VCMA-20S		4.3m	294 LPH	A world-leading and reliable 2 litre Little Giant Tank Pump	Page 10
VCMX-20S		4.8m	284 LPH	Easier to install, service and maintain, this pump has the qualities to outlast and outsmart them all	Page 11
PH-2L		4.8m	300 LPH	'Willis' is our low cost tank pump option, no flash colours needed but built to last	Page 12
VCL-24S		5.9m	900 LPH	This trouble-free 3.8 litre pump is a solution to heavy duty applications	Page 13
VCL-45S		10.5m	1560 LPH	Robust, with a flow rate of 1560 LPH this is our largest tank pump within our range	Page 14

Mini Condensate Pumps

Part Code		Max Head	Max Flow	Description/Application	Page
EC-400		9m	14 LPH	Small, strong and rapid mini pump option for fan coils and split air conditioners	Page 15
EC-1		10m	10 LPH	Quiet, small and reliable mini pump for retrofits with or without trunking	Page 16
EC-1K		10m	10 LPH	Long lasting, quiet and easy to install pump in trunking with 20mm extra elbow space	Page 17
DE-05-FD		10m	10 LPH	The low decibel rating and clean white trunking of this pump makes is a preferred choice	Page 18

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pump house

Peristaltic Condensate Pumps

Part Code		Max Head	Max Flow	Description/Application	Page
TPS		14m	9.5 LPH	The peristaltic pump with sensor is ideal for mini split or cassette air conditioning units up to 12kw	Page 20
TPT		14m	9.5 LPH	Another peristaltic model with a temperature sensor to activate the unit	Page 20
TPR		14m	9.5 LPH	This model collects condensate in a reservoir with a high level alarm	Page 20

Hot Water Pumps

Part Code		Max Head	Max Flow	Description/Application	Page
PH-3.8L-HW		8m	312 LPH	'Edwin' is our high temperature condensate tank pump made to withstand 100 degree temperatures	Page 21
PH-5L-HW		20m	1920 LPH	'Granville' is our heavy duty giant incorporating thermal overload protection. Ideal for humidifiers, steam ovens and T&P	Page 22

Dairy Cabinet Pumps

Part Code		Max Head	Max Flow	Description/Application	Page
DCP-30A		23m	700 LPH	Our standard supermarket pump 'Vincent' is a must have – this low profile pump has a high level alarm and multiple inlet options	Page 23
DCP-30E		23m	700 LPH	This supermarket pump version 'Clarence' comes without a lid and a high level alarm facility saving on cost and installation time	Page 23
DCP-30V		23m	700 LPH	'Michael' can be located vertically behind a retail display or cold room, it comes with a high level alarm and mounting brackets	Page 23
DCP-35A		35m	280 LPH	'William' joins our range of display case pumps for supermarkets. This ABS-cased pump provides outstanding value	Page 24
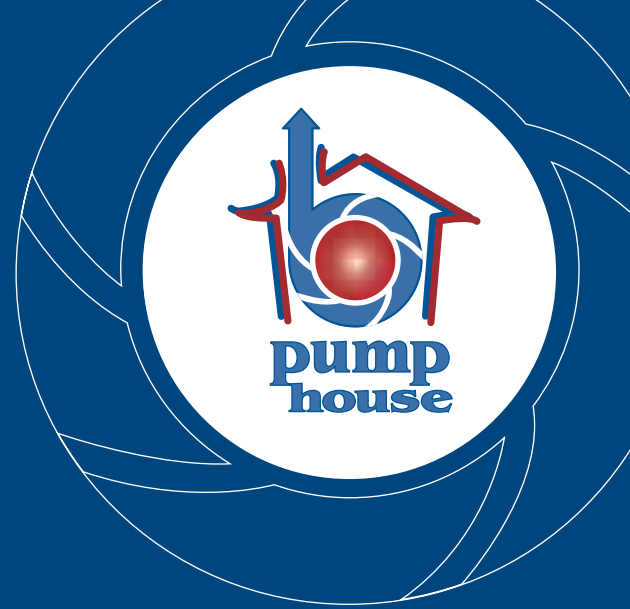
Condensate Pump Solutions and Accessories

Meet the Team...

Pete Cureton
Internal Sales
Manager

Claire Gretton
Sales
Representative

Craig Peebles
Sales Director

June Richardson
Sales & Marketing
Manager

Section 1

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NEW & EXCLUSIVE

DCP-30A/E/V

Dairy Cabinet Pumps

PH Family   Page 23

A supermarket must have!

The market-leading British made Pump House dairy cabinet range or fondly referred to as 'Vincent' offers an unrivalled solution to supermarket refrigeration. With a height of only 76mm this stainless steel, easy to service pump delivers a complete solution. Available in 3 models: 'Vincent' DCP-30A, 'Clarence' DCP-30E and 'Michael' DCP-30V. Ideal for supermarket refrigeration cabinets.

DCP-30A

DCP-30V

DCP-35A

Supermarket Cabinet Pump

PH Family   Page 24

Coming soon!

Retail refrigeration cabinet condensate gone!

Designed to fit under retail refrigeration cabinets, 'William' the Pump House DCP-35A offers excellent performance and outstanding value making it ideal for retail refrigeration cabinets.

Little **GIANT**

125mm

125mm

300mm
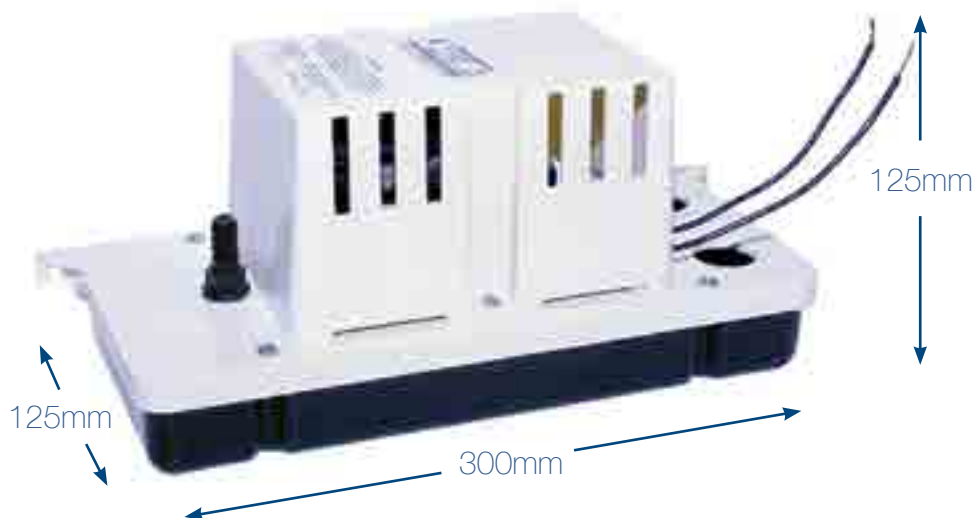
VCC-20S
Partners
1 Litre
Tank Pump

When space is your issue – look no further!

Low profile at 125mm, this 1 litre tank pump from world-leading Little Giant offers proven reliability. Ideal for cassette air conditioning and refrigeration dairy decks.

Features

- Supplied with both 3/8" and 1/4" check valve outlets
- High durability and reliability
- Easy to install and low maintenance
- Inlet height 45mm
- Ideal for cassette and ducted a/c's and single deck dairy cabinet pump
- One year warranty
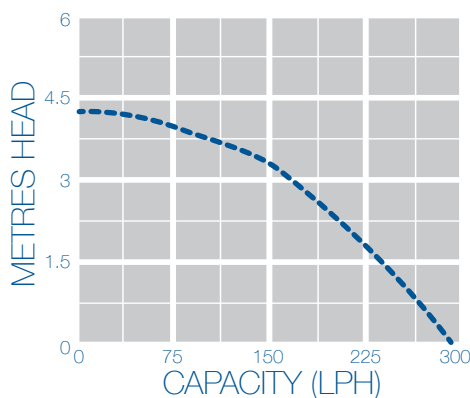
The Package

- 1.1 Litre Tank Pump
- 3/8" Check Valve • 1/4" Check Valve • Spare Inlet Cap
- Installation Instructions •

Related Products

Non-Return Valves	PAGE 27
Braided Hose	PAGE 64
Vinyl Hose	PAGE 65
Cassette Adaptors	PAGE 27

Max Flow	Tank Cap.	Decibel Rating
294 LPH	1.1 litres	58-62 dB(A)

Part Code	Max. Lift	Discharge Size	PSI	Watts	IP	Amps	Volts	Hz
VCC-20S	4.3m	3/8" / 1/4"	7.4	60 W	20	0.6 A	240 V	50 Hz

High Level Alarm	Inlet Height	Weight	Cable Length	Drink Cycle	On Level	Off Level	Reserve Before Overflow	Alarm Level
48V / 5A	44mm	2.4kg	1.8m	330ml	25mm	11mm	340ml	30mm

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122mm
220mm
134mm

PH-1L and PH-1L-SS

1 Litre Tank Pump

PH Family

Pump House presents 'John'

Space, cost and reliability are often issues. This Pump House low cost tank pump offers the solution. Ideal for cassette air conditioning and refrigeration dairy decks.

Features

- High discharge head of 6 metres
- Quiet operation
- 300ml drink cycle
- Quality design and engineered product
- One year warranty

The Package

- 1 Litre Tank Pump • 3/8" Check Valve • 1/4" Check Valve • Installation Instructions •

METRES HEAD vs CAPACITY (LPH)
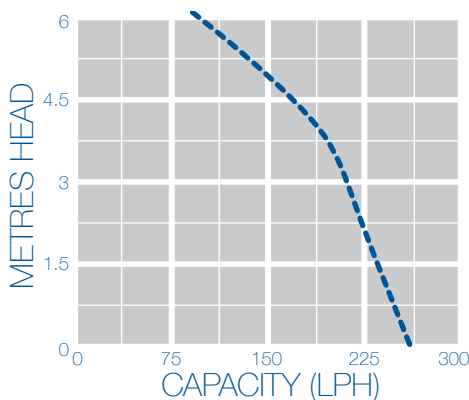
Related Products

Braided Hose	PAGE 64
Cassette Adaptors	PAGE 27
Non-Return Valve 1/4"	PAGE 27

Max. Flow	Tank Cap.	Decibel Rating
270 LPH	0.8 litre	43 dB(A)

Part Code	Max. Lift	Discharge Size	PSI	Watts	IP	Amps	Volts	Hz
PH-1L and PH-1L-SS	6m	3/8"	9.8	75 W	20	0.64 A	240 V	50 Hz

High Level Alarm PH-1L-SS only	Inlet Height	Weight	Cable Length	Drink Cycle	On Level	Off Level	Reserve Before Overflow	Alarm Level
Volt Free	45mm	2kg	1.8m	300ml	25.5mm	13.5mm	175ml	29mm

Easy~Fit   Fixings   Flexi   Install +   Partners   PH Family   PH Motors   Portable   Service +   Squeezy

Little **GIANT**

VCMA-20S

Partners

2 Litre Tank Pump

178mm

127mm   288mm
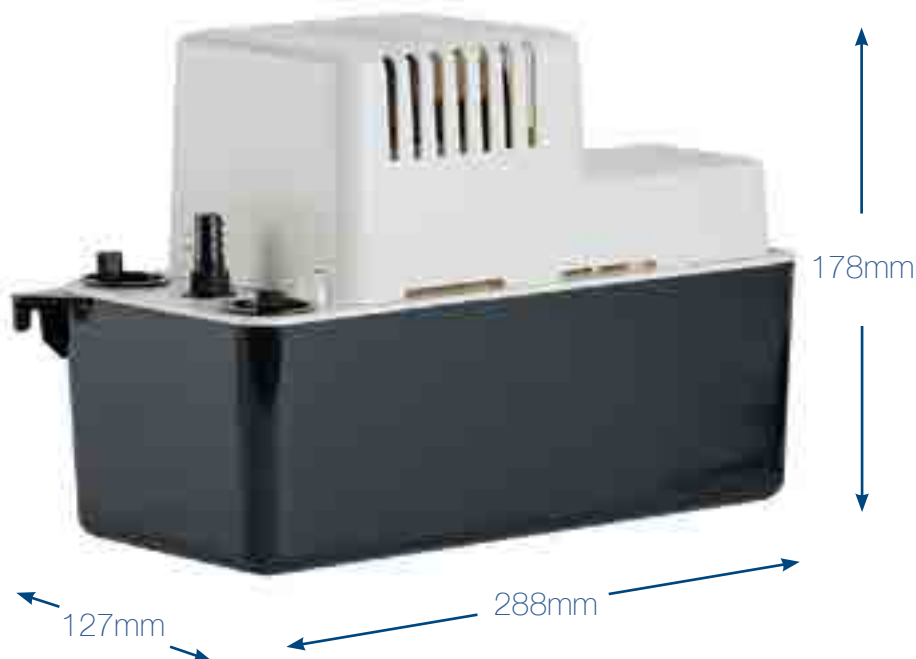
Unrivalled since 1999!

This world-leading Little Giant tank pump offers proven and unrivalled reliability. Ideal for cassette air conditioning, refrigeration, de-humidifiers and gas boiler models available.

Features

- World-leading brand for 2 litre tank pumps
- Supplied with both 3/8" and 1/4" check valve outlets
- High-durability and reliability
- Easy to install and low maintenance
- Ideal for cassette and ducted a/c's
- Low returns rate
- One year warranty

METRES HEAD

CAPACITY (LPH)
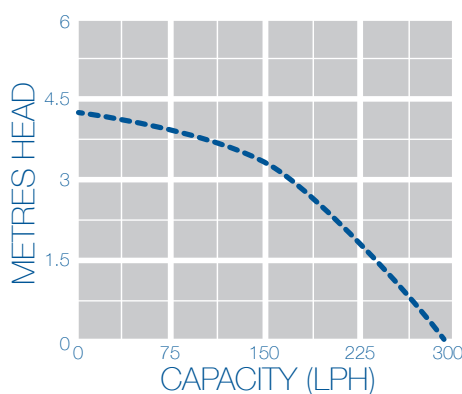
Max Flow	Tank Cap.	Decibel Rating
294 LPH	1.9 litres	58-62 dB(A)

The Package

- 2 Litre Tank Pump • 3/8" Check Valve • 1/4" Check Valve • Spare Inlet Cap • Installation Instructions •

Related Products

Non-Return Valves	PAGE 27
Braided Hose	PAGE 64
Cassette Adaptors	PAGE 27

Part Code	Max. Lift	Discharge Size	PSI	Watts	IP	Amps	Volts	Hz
VCMA-20S	4.3m	3/8" / 1/4"	7.4	60 W	20	0.6 A	240 V	50 Hz

High Level Alarm	Inlet Height	Weight	Cable Length	Drink Cycle	On Level	Off Level	Reserve Before Overflow	Alarm Level
48V / 5A	92mm	2.4kg	1.8m	750ml	61mm	32mm	640ml	71mm

Little GIANT.

165mm

122mm

260mm

VCMX-20S

Partners

2 Litre Tank Pump

No pump is easier to install or service...

The NXTGen out smarts and outlasts them all. Designed by engineers and Little Giant, a partnership for success. Ideal for cassette air conditioning, refrigeration and boilers.

Features

- 1/4" turn, easy service check valve (both 3/8" and 1/4" supplied with pump)
- Patent-pending cooling design extends life
- External test/run switch
- Rubber feet to absorb vibration
- Slimmer footprint offers flexibility in tight spaces
- Removable high level alarm switch
- Two year warranty

METRES HEAD (6, 4.5, 3, 1.5, 0)
CAPACITY (LPH) (0, 75, 150, 225, 300)
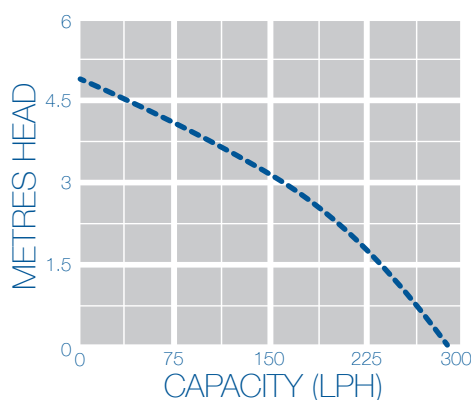
Max. Flow	Tank Cap.	Decibel Rating
284 LPH	1.9 litres	58 dB(A)

The Package

- 2 Litre Tank Pump • 4 x Rubber Feet
- Wall Mounting Bracket
- 3/8" Twist Lock Check Valve
- 1/4" Twist Lock Check Valve
- Removable High Level Alarm •

Related Products

Non-Return Valves	PAGE 27
Braided Hose	PAGE 64
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Part Code	Max. Lift	Discharge Size	PSI	Watts	IP	Amps	Volts	Hz
VCMX-20S	4.8m	3/8" / 1/4"	9.1	75 W	20	0.6 A	230 V	50/60 Hz

High Level Alarm	Inlet Height	Weight	Cable Length	Drink Cycle	On Level	Off Level	Reserve Before Overflow	Alarm Level
48V / 5A	86mm	1.9kg	1.7 metres	350ml	42mm	27.5mm	460ml	58.5mm

PH-2L

PH Family

2 Litre Tank Pump

180mm

130mm

290mm
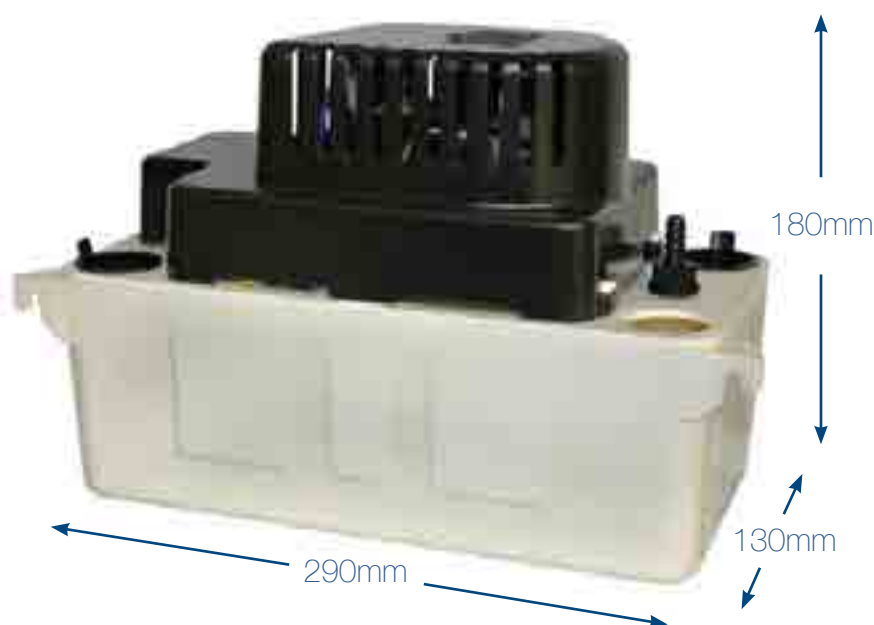
Pump House presents 'Willis' our low cost tank pump...

Manufactured by Little Giant, this reliable tank pump comes with no flash colours and is built to last. Ideal for cassette air conditioning and refrigeration.

Features

- 1/4" and 3/8" non-return valve outlet
- Easy to install
- Low maintenance
- Ideal for cassette and ducted a/c's
- Two year warranty

Max. Flow	Tank Cap.	Decibel Rating
300 LPH	2 litres	60 dB(A)
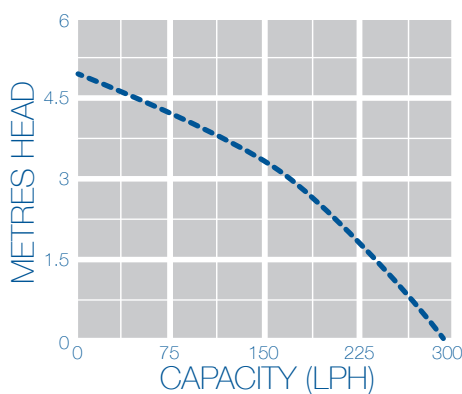
Graph axes: METRES HEAD (0, 1.5, 3, 4.5, 6) vs CAPACITY (LPH) (0, 75, 150, 225, 300)

The Package

- 2 Litre Tank Pump • 3/8" Check Valve • 1/4" Check Valve • Installation Instructions •

Related Products

Non-Return Valves	PAGE 27
Braided Hose	PAGE 64
Cassette Adaptors	PAGE 27

Part Code	Max. Lift	Discharge Size	PSI	Watts	IP	Amps	Volts	Hz
PH-2L	4.8m	3/8" / 1/4"	7.4	60 W	20	0.6 A	240 V	50 Hz
High Level Alarm	Inlet Height	Weight	Cable Length	Drink Cycle	On Level	Off Level	Reserve Before Overflow	Alarm Level
Volt Free	92mm	2.4kg	1.8m	750ml	61mm	32mm	640ml	71mm

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Little GIANT

263mm

150mm

305mm

VCL-24S

Partners Heavy Duty Tank Pump

Trouble free!

This heavy duty tank pump manufactured by Little Giant offers a trouble free solution for heavy duty applications. If you need high flow rates, along with high lift... no problem! Ideal for air conditioners, refrigeration, de-humidifiers and boilers.

Features

- Higher flow rate – 900 LPH
- High discharge head – 5.9m
- Trouble free, centrifugal pump
- Ideal for cassette and ducted a/c's
- One year warranty

The Package

- 3.8 Litre Tank Pump • 3/8" Check Valve • 1/4" Check Valve • Installation Instructions •

METRES HEAD / CAPACITY (LPH)

Related Products

Non-Return Valves	PAGE 27
Braided Hose	PAGE 64
Cassette Adaptors	PAGE 27

Max. Flow	Tank Cap.	Decibel Rating
900 LPH	3.8 litres	58-62 dB(A)

Part Code	Max. Lift	Discharge Size	PSI	Watts	IP	Amps	Volts	Hz
VCL-24S	5.9m	3/8" / 1/4"	10.4	150 W	20	1.0 A	240 V	50 Hz
High Level Alarm	**Inlet Height**	**Weight**	**Cable Length**	**Drink Cycle**	**On Level**	**Off Level**	**Reserve Before Overflow**	**Alarm Level**
48V / 5A	149mm	2.4kg	1.8m	2.2 litres	90mm	66mm	1.35 litres	105mm

Easy~Fit   Fixings   Flexi   Install +   **Partners**   PH Family   PH Motors   Portable   Service +   Squeezy

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Little **GIANT**.

267mm

150mm

305mm
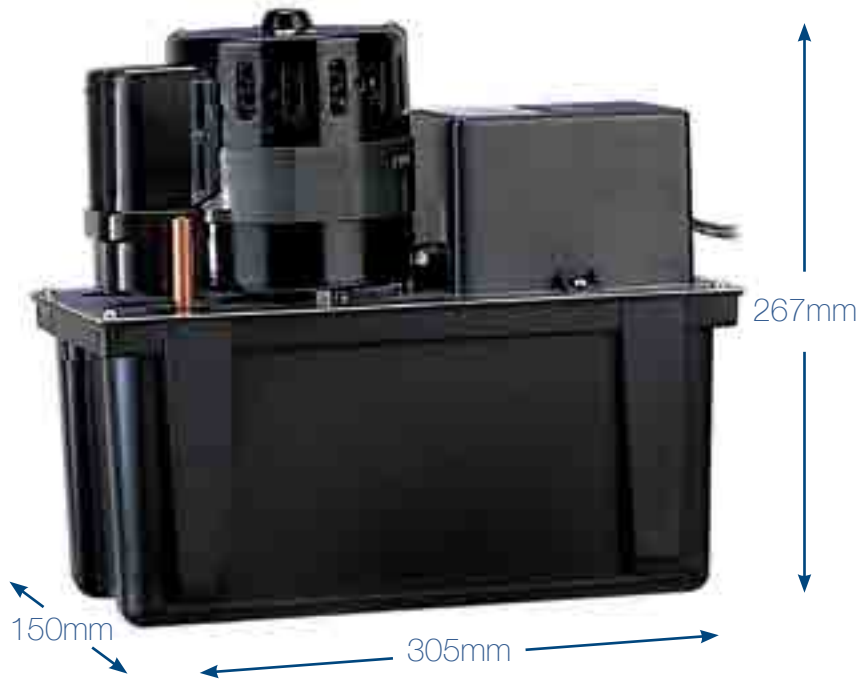
VCL-45S

Partners Heavy Duty Tank Pump

Heavy duty is no longer a problem!

This robust Little Giant tank pump offers the highest flow and lift rate at 1560 LPH with a 10.5m lift. These pumps are built to move large quantities of condensate water fast. Ideal for cassette air conditioning, refrigeration and de-humidifiers.

Features

- Higher flow rate – 1560 LPH
- High discharge head – 10.5m
- Trouble free, centrifugal pump
- Ideal for cassette and ducted a/c's
- One year warranty

The Package

- 3.8 Litre Tank Pump • 3/8" Check Valve • 1/4" Check Valve • Installation Instructions •

METRES HEAD vs CAPACITY (LPH)
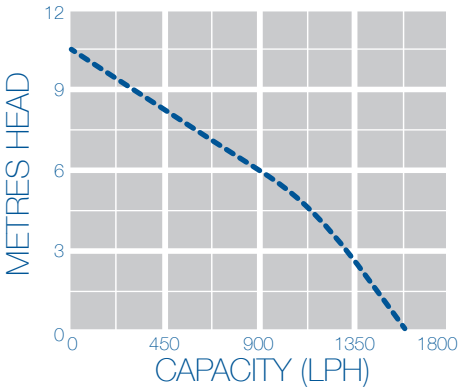
Max. Flow	Tank Cap.	Decibel Rating
1560 LPH	3.8 litres	58-62 dB(A)

Related Products

Braided Hose	PAGE 64
Cassette Adaptors	PAGE 27

Part Code	Max. Lift	Discharge Size	PSI	Watts	IP	Amps	Volts	Hz
VCL-45S	10.5m	3/8" / 1/4"	10.4	170 W	20	1.8 A	240 V	50 Hz
High Level Alarm	**Inlet Height**	**Weight**	**Cable Length**	**Drink Cycle**	**On Level**	**Off Level**	**Reserve Before Overflow**	**Alarm Level**
48V / 5A	144mm	6.4kg	0.9m	2.2 litres	90mm	33mm	1.35 litres	105mm

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Little GIANT

110mm

45mm

35mm

EC-400
Mini
Pump

Partners

Small, strong and rapid

This fully automatic mini pump from Little Giant offers a solution where gravity drainage is not possible. Ideal for fan-coil and split air conditioning, small enough to fit in the unit or placed in trunking.

Features

- Versatile
- Ideal for wall-mounted, ceiling and fan coil split a/c's
- One year warranty

Max. Flow	Decibel Rating
14 LPH*	58 dB(A)

* Operating flow should not exceed 50% of pump performance

METRES HEAD vs CAPACITY (LPH)
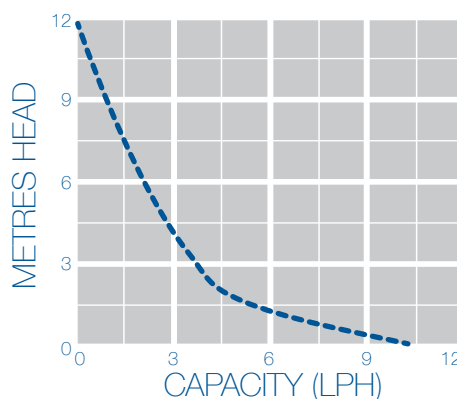
Related Products

Inaba Trunking PAGE 47-49

The Package

- Mini Condensate Pump • Syphon
- Tubing • Anti-Vibration Pads
- Installation Instructions •

Part Code	Max. Lift	Discharge Size	Watts	IP	Amps	Volts	Hz	High Level Alarm
EC-400	12m	1.4"	20 W	20	0.1 A	230 V	50 Hz	48V / 5A
Weight (Pump only)	Reservoir Dimensions **Height**	Reservoir Dimensions **Length**	Reservoir Dimensions **Width**	Other Components Dimensions **Suction Tubing**	Other Components Dimensions **Vent Tubing**	Other Components Dimensions **A/C Drain Tubing**		
0.4kg	37mm	80mm	35mm	1m x 4mm	150mm x 4mm	75mm x 13mm		

Little **GIANT**

104mm

58mm

46mm
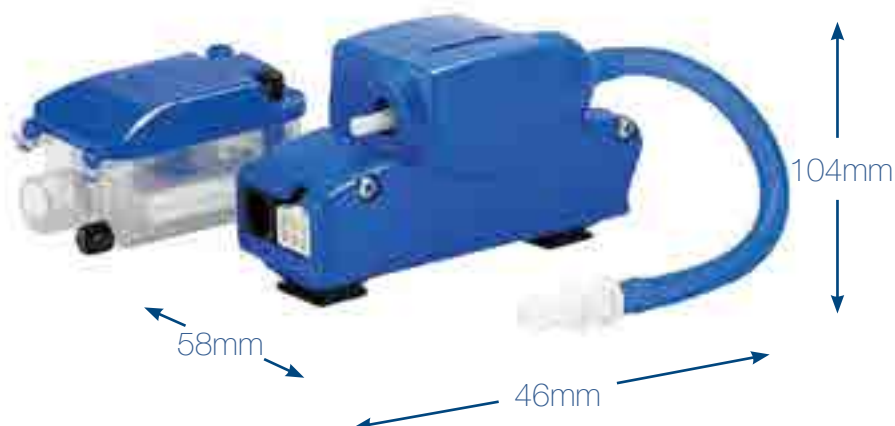
EC-1

Partners

Mini

Pump

Quiet, small and reliable...

This evolution of the mini pump from Little Giant, offers an easy to install and super quiet solution to condensate removal from mini-split air conditioners. Ideal for fan-coil and split air conditioning. Retrofits mini pumps with or without trunking.

Features

- Removes condensate from ductless mini-split wall and ceiling mounted air conditioners and concealed fan coil equipment
- Quiet operation -21 dB(A)
- Elastomeric mounting grommets on pump housing bracket
- Elastomeric passive vibration isolator used to dampen pump vibration
- Wall bracket for pump and reservoir included
- Thermal protection: 80°c
- 1.5m power cable
- 1m cable between the pump and reservoir
- Ambient temperature range: 0°c-60°c
- Maximum water temperature: 60°c

Reservoir Features

- Clear reservoir
- On/off level sensors with high water safety sensor
- Extra large filter screen
- Drain hose adaptor (14mm, 16mm, 18mm and 20mm)
- Simple to open and maintain the reservoir

Related Products

Braided Hose	PAGE 64
Cassette Adaptors	PAGE 27
Inaba Trunking	PAGE 47-49

METRES HEAD / CAPACITY (LPH)

Max. Flow	Decibel Rating
10 LPH	21 dB(A)

Reservoir Dimensions **Height**	Reservoir Dimensions **Length**	Reservoir Dimensions **Width**
84mm	46mm	38mm

Part Code	Max. Lift	Discharge Size	IP	Amps	Volts	Hz	High Level Alarm	Weight (Pump only)
EC-1	10m	1.4"	20	0.1 A	230 V	50 Hz	NC* 230V / 8A	0.8kg

* NC – Normally Closed

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Little GIANT

EC-1 Kit

Mini Split Pump in Trunking

Partners

A mini pump in trunking which can be serviced with ease – look no further!

This Little Giant pump with trunking has been designed to last. Easy to install, quiet and simple to service. Size does matter, with 20mm additional elbow space for pipe work. Ideal for mini split air conditioning.

Features

- Three-piece matching white trunking supplied with protective film – length, arm and elbow
- Pump has unique anti-vibration qualities
- Push and click connections from pump to reservoir
- Low noise level – 21 dB(A)
- Generous space in elbow duct for refrigeration pipes
- Easy to service, maintain and install
- Clear reservoir has 3 outlets and can be easily serviced
- Multiple accessories supplied as standard in the box

Related Products

| Braided Hose | PAGE 64 |
| Squeezy Fit | PAGE 86 |

The Package

• Mini Pump • Reservoir • Trunking Length • Trunking Arm • Trunking Elbow • Accessories •

Max. Flow	Decibel Rating
10 LPH	21 dB(A)

Pump Only Dimensions Height	Pump Only Dimensions Length	Pump Only Dimensions Width
104mm	46mm	58mm

Reservoir Dimensions Height	Reservoir Dimensions Length	Reservoir Dimensions Width	Internal Trunking Dimensions Height	Internal Trunking Dimensions Length	Internal Trunking Dimensions Width
84mm	46mm	38mm	53mm	76mm	800mm

Part Code	Max. Lift	Discharge Size	IP	Amps	Volts	Hz	High Level Alarm	Weight (Pump only)
EC-1 Kit	10m	1.4"	20	0.1 A	230 V	50 Hz	NC* 230V / 8A	0.8kg

* NC – Normally Closed

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pump house

FLOWATCH®
D E S I G N

800mm

80mm
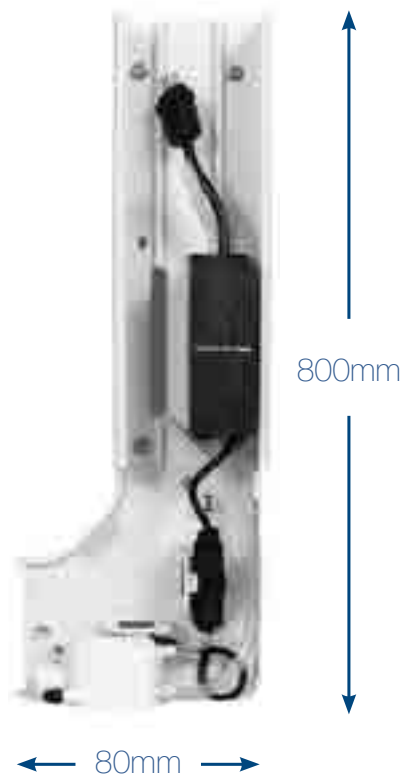
DE-05-FD

Partners Flowatch®
Mini Pump
in Trunking

Flowatch Design®

An easy to install mini pump with trunking. Just one 90 degree bend is required to secure the pipes within the elbow. Ideal for mini split air conditioning.

Features

- Quiet – low decibel rating of <21dB(A)
- Attractive – smooth clean white trunking to match most wall-mounted systems
- Spacious – ample room for 3/8" and 5/8" pipes
- Proven pump reliability with 10 years of sales in the global market
- Quick push-fit electrical connections
- Replacement pump and parts available
- Three year warranty

METRES HEAD vs CAPACITY (LPH)
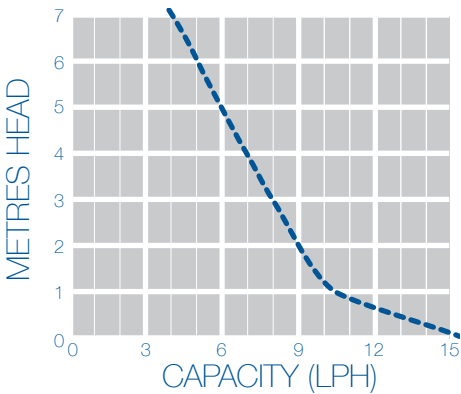
Max. Flow	Decibel Rating
12 LPH	<21dB(A)

The Package

- Mini FLOWATCH® Condensate Pump with Detection Unit • 80mm x 800mm Duct • Fixing Plate (Reversible Left or Right) and Elbow Cover • Complete Fixing Accessories •

Related Products

Braided Hose	PAGE 64
Squeezy Fit	PAGE 86

Part Code	Max. Lift	Suction Lift	Outlet Hose	High Level Alarm	Duct Dimensions **Length**	Duct Dimensions **Width**
DE-05-FD	10m*	2m	6mm	240V / 8A	800mm	80mm

* We recommend using this pump at no greater than 10m head.

pump house

DiversiTech

Under the Spotlight

Pump House are proud to be part of the DiversiTech Family

Little GIANT.

115mm

96mm   98mm

TPS, TPT, TPR

Partners Peristaltic Pumps

Need a Suction Lift?

With an amazing 9.5 LPH flow, the peristaltic range manufactured by Little Giant offers all installation possibilities. This pump is available in 3 models and comes with either a temperature sensor, compressor signal reservoir or alarm. Ideal for mini split or cassette air conditioning units up to 12kw.

Features

- Supplied with a spare replacement peristaltic tube
- Vent-free motor housing reduces noise
- IP 52 housing prevents damage from dust and debris
- Service kit available
- Extension sensor cables are available to enable the pump to be located up to 6 metres from the indoor unit
- One year warranty on the pump and tube

METRES HEAD vs CAPACITY (LPH)
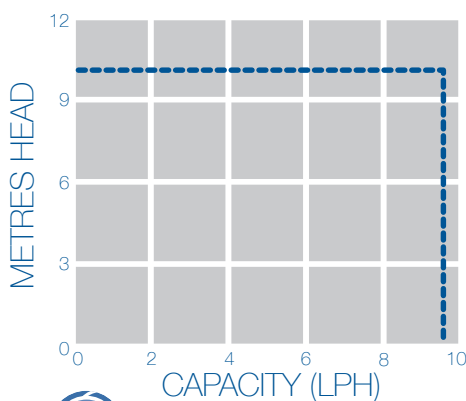
Max. Flow
9.5 LPH

Related Products

Service Kit	PAGE 26
Braided Hose	PAGE 64
Spare Tube	PAGE 26

The Package

- Peristaltic Pump • Sensor/Temperature or Reservoir • Tubing • Wiring Pack • Tie Wraps • Installation Instructions •

Inlet Height	Cable Length
44mm	2m

Part Code	Max. Lift	Discharge Size	Watts	IP	Amps	Volts	Hz	High Level Alarm	Suction Lift
TP Range	14m	1/4"	13 W	52	0.06 A	240 V	50 Hz	48V / 5A (TPR)	2m

Part Code	Description	Height	Length	Width	Weight	On Level	Off Level
TPS	Compressor Signal	115mm	96mm	98mm	1kg	N/A	N/A
TPT	Temperature Sensor	115mm	96mm	98mm	1kg	N/A	N/A
TPR	Reservoir and Alarm	115mm	96mm	98mm	1kg	13mm	8mm

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PH-3.8L-HW

PH Family

High Temperature Condensate Pump

249mm

29mm

160mm

325mm

100 degree condensate? No problem!

'Edwin' The Pump House high temperature tank pump is manufactured from heat resistant plastic to withstand temperatures of 100 degrees. Ideal for humidifiers, boiler condensate and pressure relief.

Features

- Suitable for 2.8pH boiler condensate
- Supplied with 10 metres of 3/8" hose
- High-level safety switch
- Max. flow 312 LPH
- Max. head 8m
- Discharge volume 1.5 litres

METRES HEAD / CAPACITY (LPH)
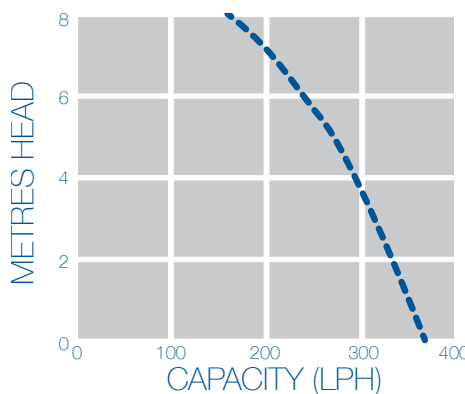
The Package

- 3.8 Litre Tank Pump
- 6 Metre 3/8" Hose • Hose Clip
- Installation Instructions •

Related Products

VCMA 20S	PAGE 10
Braided Hose	PAGE 64

Max. Flow	Tank Cap.
312 LPH	3.8 litres

Part Code	Max. Lift	Discharge Size	PSI	Watts	Amps	Volts	Hz	High Level Alarm
PH-3.8L-HW	8m	3/8" / 9.5mm	17.5	150 W	0.75 A	240 V	50 Hz	Volt Free

Temperature	Weight	Cable Length	Drink Cycle	On Level	Off Level	Reserve Before Overflow	Alarm Level
100°C	3.1kg	1.8m	1.5 litres	57mm	19mm	0.7 litres	105mm

Easy~Fit   Fixings   Flexi   Install +   **Partners**   PH Family   PH Motors   Portable   Service +   Squeezy

PH-5L-HW

PH Family

Heavy Duty High Temperature Condensate Pump

190mm   260mm

350mm
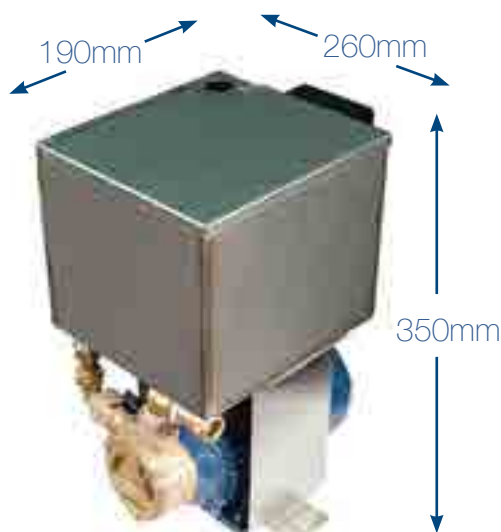
'Granville' The heavy duty giant!

Manufactured in the UK this heavy duty, high temperature tank pump incorporates thermal overload protection and a high level alarm switch. Ideal for humidifiers, steam ovens and T & P discharge.

Features

- High-level safety switch
- Max. flow 1920 LPH (32 LPM)
- Max. head 20m
- Working Discharge Lift 8m
- Discharge rate volume 30 LPM
- 15mm copper outlet
- 25mm copper inlet
- 15mm non-return valve

METRES HEAD
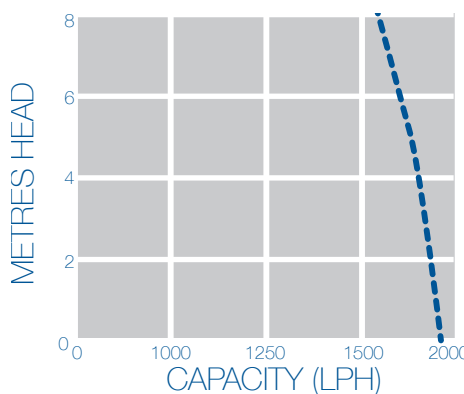
CAPACITY (LPH)

The Package

- 5 Litre Stainless Steel Tank Pump
- Installation Instructions •

Related Products

Inaba Trunking   PAGE 47-49

Max. Flow	Tank Cap.
1920 LPH	5 litres

Part Code	Description	Max. Discharge Lift	Working Discharge Lift	Tank Capacity	Outlet	Inlet
PH-5L-HW	Temperature and Pressure Relief Pump	20m	8m	5 litres	15m	25m

Weight	On Level	Off Level	High Level Switch
7.05kg	252mm	197mm	Volt Free

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DCP-30A

DCP-30V

DCP-30A/E/V

Dairy Cabinet Pumps

PH Family

A supermarket must have!

The market-leading British made Pump House dairy cabinet range or fondly referred to as 'Vincent' offers an unrivalled solution to supermarket refrigeration. With a height of only 76mm this stainless steel, easy to service pump delivers a complete solution. Available in 3 models: 'Vincent' DCP-30A, 'Clarence' DCP-30E and 'Michael' DCP-30V. Ideal for supermarket refrigeration cabinets.

Features

- Only 76mm high – fits under even the lowest display cabinets
- Barbed hose tail – for easy connection of 1/2" drain hose
- Multiple inlet options (top, end or side)
- Power and alarm cables pre-fitted
- High discharge head and flow rate – suitable for most applications
- Ideal for cold produce display cabinets in supermarkets and convenience stores
- IP 44 rated sealed electric box
- One year warranty
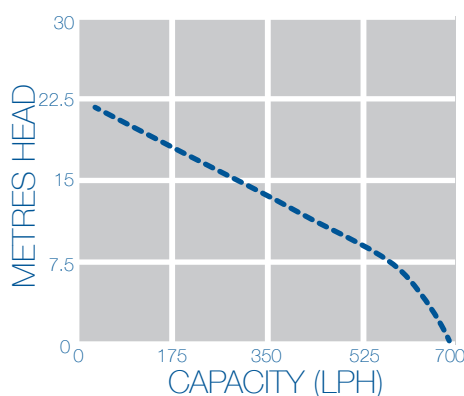
The Package

- Metal Low Profile Pump
- Installation Instructions •

Related Products

Klo-Shure®   PAGE 82

Max. Flow	dB(A)
700 LPH	N/A

Part Code	Description	Max. Discharge Lift	Tank Capacity	Outlet	High Level Alarm
DCP-30A	Dairy Cabinet Standard	700 LPH	5.5 litres	1/2"	30mm
DCP-30E	Dairy Cabinet Economy	700 LPH	5.5 litres	1/2"	N/A
DCP-30V	Dairy Cabinet Vertical	700 LPH	4.5 litres	1/2"	160mm

Part Code	Height	Length	Width	Weight	On Level	Off Level
DCP-30A	76mm	610mm	200mm	5kg	50mm	37mm
DCP-30E	76mm	610mm	200mm	5kg	50mm	37mm
DCP-30V	200mm	580mm	76mm	5kg	150mm	65mm

DCP-35A

PH Family

Supermarket Cabinet Pump

Coming soon!

Retail refrigeration cabinet condensate gone!

Designed to fit under retail refrigeration cabinets. 'William' the Pump House economy DCP-35A, offers excellent performance at outstanding value. Ideal for retail refrigeration cabinets.

Features

- 90mm high – fits underneath low cabinets
- Outlet connects to either 3/8", 1/2" and 5/8" hose
- Durable ABS polymer housing
- Dual-level sensors for large drink-cycle
- Audible alarm on high-level
- Plug-in power cord
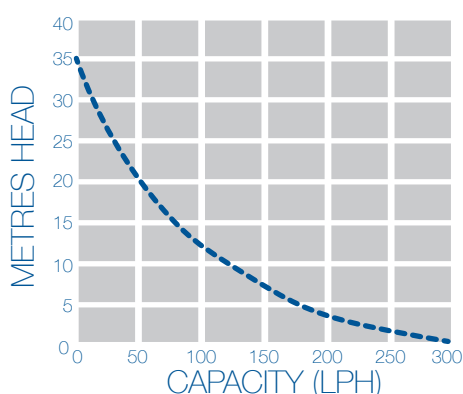
The Package

- Plastic Low Profile Pump • Kettle Fit Mains Lead • Instructions •

Related Products

Klo-Shure®   PAGE 82

Max. Flow

280 LPH

(Graph: METRES HEAD vs CAPACITY (LPH), curve from 35m at 0 LPH down to near 0 at 300 LPH)

Part Code	Description	Max. Discharge Lift	Tank Capacity	Outlet	High Level Alarm
DCP-35A	ABS Display Case Pump	35m	5.8 litres	3/8" or 1/2"	60mm

Part Code	Height	Length	Width	Weight	On Level	Off Level
DCP-35A	90mm	600mm	280mm	3.9kg	35mm	25mm

600mm

90mm

280mm

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120mm

90mm

320mm
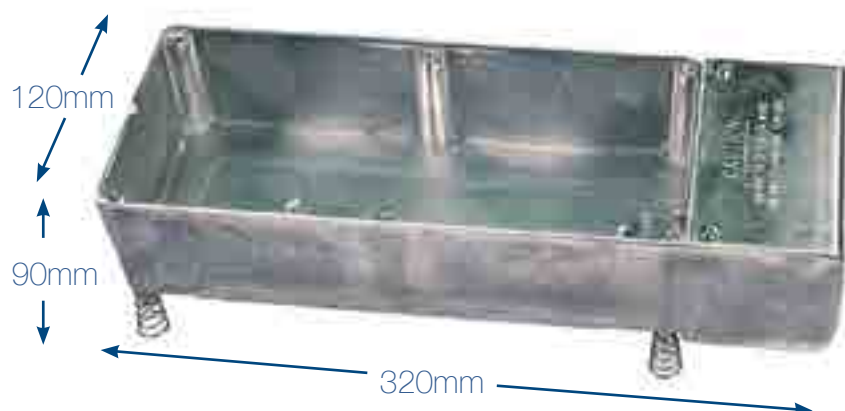
ET-150

Evaporator Tray

PH Family

Evaporator Trays are back!

A thermostatically-controlled cast aluminium tray designed to collect and evaporate condensate water. Ideal for refrigeration display cabinets.

Features

- Solid state heater for reliable operation
- Corrosion-resistant
- Made out of cast aluminium
- One-piece pan
- Spring-mounting feet to minimize heat transfer
- Thermostatic control lowers power intake when pan is empty to conserve energy

The Package

- Evaporator Tray • 4 x Wire Feet
- Installation Instructions •

Related Products

Klo-Shure®   PAGE 82

Max. Flow	Tank Cap.
270 LPH	1.5 litres

Part Code	Description	Max. Discharge Lift	Drinks Cycle	Outlet	Inlet	Watts Amps
ET-150	Evaporator Tray	N/A	N/A	N/A	N/A	225 W

Weight	On Level	Off Level	Volts/Hertz
1.1kg	N/A	N/A	230V / 50Hz

Pump Accessories

Install +

Clear Braided Hose
RVT

Hose T Connector
701-038

Hose Connectors
701-030

Hose Clamp
B-6H

Peristaltic Replacement Tube
TPRC-10

Peristaltic Extension Cable
EXTCABLE-4M

Peristaltic Service Kit
599325

Remote Controller
KT-1000

Part Code	Description	Pump Type Application
TPRC-10	Peristaltic Replacement Tube	TPS, TPT & TPR
EXTCABLE-4M	Peristaltic Sensor Extension Cable – 4 metre	TPT / PCT-10
599325	Peristaltic Service Kit	TPS, TPT & TPR
RVT-1/4	Condensate Drain Hose x 30m – 1/4"	Tank, Mini & Peristaltic Pumps
RVT-3/8	Condensate Drain Hose x 30m – 3/8"	Tank Pumps
RVT-1/2	Condensate Drain Hose x 30m – 1/2"	Dairy Cabinet Pumps
701-030	Hose Connector – Nylon –1/4"	All Pumps
701-032	Hose Connector – Nylon –3/8"	All Pumps
701-038	Hose "T" Connector – Nylon – 3/8"	All Pumps
B-6H	Hose Clamp – 1/4" – 3/8"	All Pumps
KT-1000	Universal Remote Controller	Most Major Air Conditioning Units

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Audible Alarm
513350

Non Return Valve 3/8"
CV-38-3

Non Return Valve 1/4"
CV-14-3

Cassette Drain Multipack
ADAP-CAC-X

Pipe Adaptor Self-Sealing
SVA-3

Cassette Adaptors
ADAP-CAC
S – Green, M – Blue, L – Black

Drain Adaptor 22mm – 3/8"
ADAP-1

Drain Adaptor
ECOP-ADAP

Part Code	Description	Pump Type Application
ECOP-ADAP	Condensate Drain Adaptor 16, 18, 22, 35mm Drain to 1/4" Hose	All Pumps
SVA-3	Pipe Adaptor – Self-Sealing – 1/4" – 3/8" Hose – Pack of Three	All Pumps
ADAP-CAC-S	Cassette A/C Drain Adaptors (Green) – 3/4" X 1" Pack of Three	Tank Pumps
ADAP-CAC-M	Cassette A/C Drain Adaptors (Blue) – 3/4" X 1-1/4" Pack of Three	Tank Pumps
ADAP-CAC-L	Cassette A/C Drain Adaptors (Black) – 3/4" X 1-1/2" Pack of Three	Tank Pumps
ADAP-CAC-X	Cassette A/C Drain Adaptors (Multipack) – Pack of Three	Tank Pumps
ADAP-1	Condensate Drain Adaptor 22mm Drain to 3/8" Hose	Tank Pumps
513350	Audible Alarm	All Pumps with a High Level Alarm Switch
CV-14-3	Non Return Valve – 1/4" – Pack of Three	VCC-20S, VCMA-20S, VCL-24S and PH-2L
CV-38-3	Non Return Valve – 3/8" – Pack of Three	VCC-20S, VCMA-20S, VCL-24S and PH-2L
Anti-Syph-Kit	Anti-Syphon Kit – 3/8" and 1/4" Hose	With 3/8" and 1/4" Hose

Protecting, Mounting, Supporting and Portables

Meet the Team…

John Dore
Sales
Representative

Tom Hill
Area Sales
Manager

Terry Wootten
Area Sales
Manager

Section 2

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NEW & EXCLUSIVE

Easy~Fit
Wooden Guards
Page 37

This new wooden Pump House guard is manufactured from tanalised pressure-treated timber for added weather protection and longer life. Particularly suited for areas of outstanding beauty and buildings with a preservation order or listed buildings.

Easy~Fit

Through the Wall
Air Conditioner
Page 61

Through the wall air conditioners, also known as through-the-wall or in-wall air conditioners, are designed to be a long-lasting fixture. These 12,000 btu air conditioners are mounted into a hole in the wall as a permanent installation.

Portable

Easy~Fit
Cantilever Arm Kits
Page 42

These kits are flat-packed and come with all of the fixings necessary for a quick and easy installation.

Protective Guards

Easy~Fit

These unique, easy-to-install outdoor steel mesh guards provide protection to most sizes of condensing units against vandalism and accidental damage. With 14 sizes in the range, we have **the largest selection available in the industry.**

12 Years Industry Experience
Guards launched in 2002

Anti-Rust
Salt spray tested to replicate 10 years' use

Largest Selection
14 sizes available in the range

Scratch Resistant
Made with Zintec steel with epoxy powder ivory coating
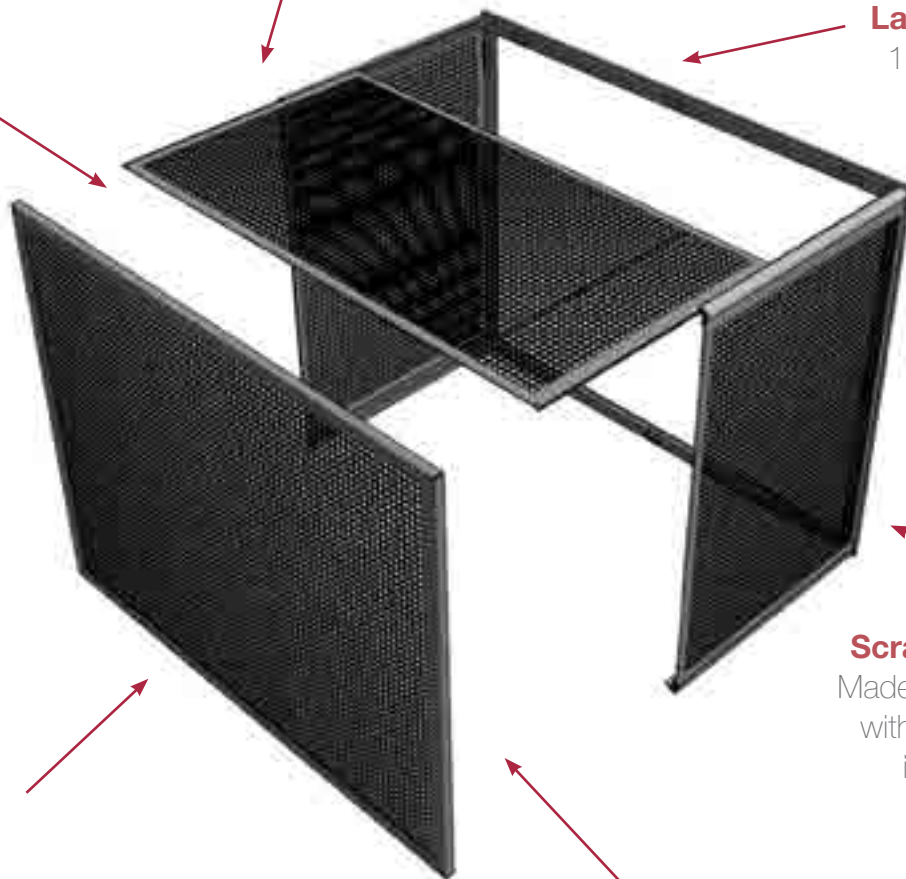
Manufactured by Pump House All jigs and tools are owned and designed by Pump House

Easy to Install and Service Unique sliding panel system allows the product to be installed quickly

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pump house

Protective Guards

Range		Weight	Size	Description/Application	Page
Pump House Easy~Fit Condensing Guards		18-40kg	S/M/L/XL	Weather-protected, steel mesh guards offering protection to outdoor condensing units and externally located air source heat pumps, against vandalism and accidental damage	Page 32
Pump House Easy~Fit 500 Series Condensing Guards		13-23kg	S/M/L INV	Weather-protected, steel mesh guards offering protection to outdoor condensing units and externally located air source heat pumps, against vandalism and accidental damage. (Split back panel)	Page 33
Pump House Easy~Fit 750 Series Condensing Guards		25-33kg	S/M/L INV	Weather-protected, steel mesh guards offering protection to outdoor condensing units and externally located air source heat pumps, against vandalism and accidental damage. (Split back panel)	Page 34
Pump House Easy~Fit 900 Series Condensing Guards		34-60kg	INV L-SQ XXL	Weather-protected, steel mesh guards offering protection to outdoor condensing units and externally located air source heat pumps, against vandalism and accidental damage	Page 35
Pump House Easy~Fit VRF/VRV Condensing Guards		24-64kg	Base/Small/ Large	The UK's first flat-packed, self-assembly guard for the protection of outdoor VRV/VRF units against vandalism and accidental damage	Page 36

Get the Right **Easy~Fit Guard**

Pump House now have available 14 sizes of Easy~Fit Guards. Please call with your Air Conditioning or Heat Pump model number and we will specify your guard to size.

0115 900 5858

Easy~Fit

Condensing Guards

Easy Fit... Need we say more?

These Pump House manufactured weather-resistant, steel mesh guards offer a safe solution to vandalism and accidental damage of your expensive air conditioning and air source heat pump. Ideal for all manufacturers of air conditioning and air source heat pumps, including Daikin, Fujitsu, Hitachi, LG, Mitsubishi, Panasonic and Toshiba. Call with the model number of your unit and our team are ready to select your guard... 0115 900 5858.

Features

- Unique sliding panel system
- All panels can be removed for maintenance by unscrewing just four bolts
- Additional bottom and back panels are available for stand-alone/high wall options
- All bolts are allen-headed for added security
- Quick and easy to install and access for maintenance
- Textured finish in RAL7032

Related Products

Brackets	PAGE 43-45
Collection Trays	PAGE 46
Flexi Lite Kit	PAGE 50
Flexi Foot with Strut	PAGE 57

Part Code	Description
CG-BPS	Base Panel for Small Guard
CG-BPM	Base Panel for Medium Guard
CG-BPL	Base Panel for Large Guard

The Package

- Wall Frame • Front Panel
- Top Panel • 2 x Side Panels
- 4 x Support Arms • Bag of Fixings •

Part Code	Description
CG-FPS	Front/Back Panel for Small Guard
CG-FPM	Front/Back Panel for Medium Guard
CG-FPL	Front/Back Panel for Large Guard
CG-AF	Adjustable Feet for Guards (Sold in Pairs)

Part Code	Size	Dimensions (External)			Dimensions (Internal)			Weight
		Height	Width	Depth	Height	Width	Depth	
CG-S	S	750mm	1050mm	460mm	720mm	1020mm	450mm	18kg
CG-M	M	1150mm	1150mm	650mm	1120mm	1120mm	640mm	27kg
CG-L	L	1450mm	1150mm	650mm	1420mm	1120mm	640mm	30kg
CG-XL	XL	1800mm	1150mm	650mm	1770mm	1120mm	640mm	40kg

Easy~Fit

Easy~Fit

500 Series
Split Wall
Frame Guards

Unit already installed and need a guard? Look no further.

The split wall frame of these Pump House manufactured guards enable you to place a guard with ease, post the installation of the condensing unit. You can work around pipework and electrical connections hassle-free. 500 refers to the depth of the guard. Ideal for all manufacturers of air conditioning and air source heat pumps, including Daikin, Fujitsu, Hitachi, LG, Mitsubishi, Panasonic and Toshiba. Call with the model number of your unit and our team are ready to select your guard... 0115 900 5858.

Features

- Additional bottom and back panels are available for stand-alone/high wall options
- All bolts are allen-headed for added security
- Quick and easy to install and access for maintenance
- Split back panel makes it easy to retro fit
- Textured finish in RAL7032

Related Products

Brackets	PAGE 43-45
Collection Trays	PAGE 46
Flexi Lite Kit	PAGE 50
Flexi Foot with Strut	PAGE 57

Part Code	Description
CG-500-BPSML	Base Panel for 500 S/M/L Guard

The Package

- Upper Wall Frame • Lower Wall Frame • Top Panel • Front Panel • 2 x Side Panel • Bag of Fixings •

Part Code	Description
CG-500-FPS	Front/Back Panel for 500 Small Guard
CG-500-FPM	Front/Back Panel for 500 Medium Guard
CG-500-FPL	Front/Back Panel for 500 Large Guard

Part Code	Size	Dimensions (External)			Dimensions (Internal)			Weight
		Height	Width	Depth	Height	Width	Depth	
CG-500-S	S	620mm	1050mm	500mm	590mm	990mm	470mm	13kg
CG-500-M	M	1020mm	1050mm	500mm	990mm	990mm	470mm	18kg
CG-500-L	L	1420mm	1050mm	500mm	1390mm	990mm	470mm	23kg

Easy~Fit
750 Series
Split Wall Frame Guards

Easy~Fit

Unit already installed and need a guard? Look no further.

The split wall frame of these Pump House manufactured guards enable you to place a guard with ease, post the installation of the condensing unit. You can work around pipework and electrical connections hassle-free. 750 refers to the depth of the guard. Ideal for all manufacturers of air conditioning and air source heat pumps, including Daikin, Fujitsu, Hitachi, LG, Mitsubishi, Panasonic and Toshiba. Call with the model number of your unit and our team are ready to select your guard... 0115 900 5858.

Features

- Unique sliding panel system
- All panels can be removed for maintenance by unscrewing just four bolts
- Additional bottom and back panels are available for stand alone/high wall options
- All bolts are allen-headed for added security
- Quick and easy to install and access for maintenance
- Textured finish in RAL7032

Related Products

Brackets	PAGE 43-45
Collection Trays	PAGE 46
Flexi Lite Kit	PAGE 50
Flexi Foot with Strut	PAGE 57

Part Code	Description
CG-750-BPM	Base Panel for 750 S/M/L Guard

The Package

- Upper Wall Frame • Lower Wall Frame • Top Panel • Front Panel • 2 x Side Panel • Bag of Fixings • Installation Instructions •

Part Code	Description
CG-750-FPS	Front/Back Panel for 750 Small Guard
CG-750-FPM	Front/Back Panel for 750 Medium Guard
CG-750-FPL	Front/Back Panel for 750 Large Guard
CG-750-FPL	Front/Back Panel for 750 Large Inv. Guard

Part Code	Size	Dimensions (External)			Dimensions (Internal)			Weight
		Height	Width	Depth	Height	Width	Depth	
CG-750-S	S	950mm	1150mm	750mm	920mm	1120mm	740mm	25kg
CG-750-M	M	1150mm	1150mm	750mm	1120mm	1120mm	740mm	32kg
CG-750-L	L	1450mm	1150mm	750mm	1420mm	1120mm	740mm	33kg
CG-750-INV	INV	1150mm	1450mm	750mm	1120mm	1420mm	740mm	33kg

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Easy~Fit 900 Series Guards

These Pump House manufactured weather-resistant, steel mesh guards offer a safe solution to vandalism and accidental damage of your expensive air conditioning and air source heat pump. Ideal for all manufacturers of air conditioning and air source heat pumps, including Daikin, Fujitsu, Hitachi, LG, Mitsubishi, Panasonic and Toshiba. Call with the model number of your unit and our team are ready to select your guard... 0115 900 5858.

Features

- Unique sliding panel system
- All panels can be removed for maintenance by unscrewing just four bolts
- Additional bottom and back panels are available for stand alone/high wall options
- All bolts are allen-headed for added security
- Quick and easy to install and access for maintenance
- Textured finish in RAL7032

Related Products

Brackets	PAGE 43-45
Collection Trays	PAGE 46
Flexi Lite Kit	PAGE 50
Flexi Foot with Strut	PAGE 57

Part Code	Description
CG-BP900L	Base Panel for 900 L/XL Guard

The Package

- Wall Frame • Front Panel
- Top Panel • 2 x Side Panels
- 4 x Support Arms • Bag of Fixings
- Installation Instructions •

Part Code	Description
CG-FPL	Front/Back Panel for 900 Large Guard
CG-FP900LSQ	Front/Back Panel for 900 Square Guard
CG-FPXXL	Front/Back Panel for 900 XX Large Guard

Part Code	Size	Dimensions (External)			Dimensions (Internal)			
		Height	Width	Depth	Height	Width	Depth	Weight
CG-900L-INV	L	1150mm	1450mm	900mm	1120mm	1420mm	890mm	34kg
CG-900L-SQ	L-SQ	1450mm	1450mm	900mm	1420mm	1370mm	890mm	51kg
CG-900-XXL	XXL	1800mm	1450mm	900mm	1770mm	1370mm	890mm	60kg

Easy~Fit
VRV/VRF
Guards

Easy~Fit

The UK first flat-packed, self-assembly guard!

This Pump House Easy~Fit VRV/VRF guards offer a quick and safe solution against vandalism and accidental damage. This modular design allows you to protect any variation of VRV/VRF installation. Ideal for all manufacturers of air conditioning and air source heat pumps, including Daikin, Fujitsu, Hitachi, LG, Mitsubishi, Panasonic and Toshiba. Call with the model number of your unit and our team are ready to select your guard... 0115 900 5858.

Features

- Avoids high cost bespoke fencing and fabrication on site
- Suitable for all models/brands of VRV/VRF units
- Floor mounting as standard
- Reversible floor fixings – can be located inside (for security) or outside (for ease of installation) the guard
- Unique sliding panel system for quick and easy assembly and disassembly for maintenance
- Textured finish in RAL7032

Related Products

Flexi Frames	PAGE 55-56

The Package

- 2 x Front/Back Panel • 2 x Side Panels • Top Panel • 4 x Support Arms • Bag of Fixings • Installation Instructions •

Overall Guard Dimensions			Order Requirements		
Height	Width	Depth	CG-V-BP	CG-V-EP-6	CG-V-EP-12
2000mm	1160mm	1200mm	1	0	0
2000mm	1740mm	1200mm	1	1	0
2000mm	2320mm	1200mm	1	0	1
2000mm	2900mm	1200mm	1	1	1
2000mm	3480mm	1200mm	1	0	2
2000mm	4060mm	1200mm	1	1	2

		Dimensions (External)			Dimensions (Internal)			
Part Code	Description	Height	Width	Depth	Height	Width	Depth	Weight
CG-VRF-BP	Base Pack	2000mm	1160mm	1200mm	1970mm	1130mm	1200mm	64kg
CG-VRF-EP-6	Extender Pack – Small	2000mm	580mm	1200mm	1970mm	N/A	1200mm	24kg
CG-VRF-EP-12	Extender Pack – Large	2000mm	1160mm	1200mm	1970mm	N/A	1200mm	41kg

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Easy~Fit Wooden Guards

Typically British, designed for buildings with preservation orders, listed buildings or areas of outstanding beauty.

These Pump House Easy~Fit wooden guards are made from tanalised, pressure-treated timber. The design optimises air-flow with louvered panels, all round angled to deflect air flow downwards. Ideal for all manufacturers of air conditioning and air source heat pumps, including Daikin, Fujitsu, Hitachi, LG, Mitsubishi, Panasonic and Toshiba. Call with the model number of your unit and our team are ready to select your guard... 0115 900 5858.

Features

- Improves visual appearance of the heat pump
- Fast and easy to install and assemble
- All components are flat packed for easy transportation
- Louvered panels to optimise airflow
- Pressure treated external grade timber
- Sized to suit most standard sizes of ASHP's

Related Products

Flexi Lite Kit   PAGE 50

The Package

- Side Panel (Left) • Side Panel (Right) • Front Panel • Top Panel • Bag of Fixings • Installation Instructions •

Adequate space at the rear to allow room for the pipework and cable installation running to the unit.

Part Code	Size	Dimensions (External)			Dimensions (Internal)			
		Height Front/Back	Width	Depth	Height Front/Back	Width	Depth	Weight
CG-750S-WOOD	Small	905 / 960mm	1275mm	865mm	850 / 890mm	1055mm	753mm	34.7kg
CG-750M-WOOD	Medium	1135 / 1185mm	1275mm	865mm	1075 / 1115mm	1055mm	753mm	40.3kg
CG-750M+WOOD	Medium +	1255 / 1310mm	1275mm	865mm	1200 / 1240mm	1055mm	753mm	43.7kg
CG-750L-WOOD	Large	1530 / 1585mm	1275mm	865mm	1475 / 1515mm	1055mm	753mm	50.9kg
CG-750L-INV-WOOD	Large Inverted	1130 / 1185mm	1630mm	865mm	1075 / 1115mm	1405mm	753mm	47.2kg

Easy~Fit   Fixings   Flexi   Install +   Partners   PH Family   PH Motors   Portable   Service +   Squeezy

Easy~Fit
Protective
Housings

Protective housing, made to measure...

These Pump House manufactured Easy~Fit housings are available in 2 sizes.
The electro-galvanised steel receives an 8-phase epoxy polyester powder coating, with a scratch resistant textured finish (RAL 7032). Ideal for all brands of outdoor refrigeration condensing equipment.

Features

- Perforated steel side panels allow free-flow of air for ventilation
- Universal – suits any brand of refrigeration equipment
- Special bespoke sizes available to order

Related Products

Flexi Foot with Strut	PAGE 57
Plastic Mounting Blocks	PAGE 51

The Package

• Base Panel • Top Panel • 2 x Louvered Side Panels • 2 x Perforated Side Panels • Back Panel with Refrigerant Pipe Access Slot •

| Part Code | Size | Dimensions (External) | | | Dimensions (Internal) | | | Weight |
		Height	Width	Depth	Height	Width	Depth	
CH-S	Small	500mm	710mm	600mm	410mm	640mm	530mm	23kg
CH-L	Large	550mm	810mm	720mm	460mm	740mm	640mm	30kg

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Easy~Fit
Economy
Bracket

Easy~Fit

This economy bracket is ideal for wall-mounting lighter condensing units. The traditional crossbar style allows easy spacing of the support arms.

Features

- Low cost bracket option
- Pre-riveted hinge saves time on installation
- Supplied complete with condenser mountings, level adjusters and wall fixings

Related Products

All Guards	PAGE 32-37
Collection Trays	PAGE 46

The Package

- Crossbar • 2 x Support Arms
- 2 x Uprights • Fixings • Installation Instructions •

Part Code	Description	Safe Working Load*	Max Load	Crossbar	Upright	Support Arm	Weight
CBR2-EL	Economy Bracket with Crossbar	60kg	120kg	780mm	365mm	550mm	3.73kg

All brackets are tested to twice the safe working loads at an independent UK facility.

* It is the installer's responsibility to ensure that equipment weights do not exceed the safe working loads quoted and that the roof structure onto which these products are being applied is sufficiently sound to withstand the weight and point loading. If these products are used in contact with a PVC roof membrane the installer should seek advice from the membrane manufacturer on the possible migration of plasticizers, and the effect of this on the roof guarantee. These products should not be used for any purpose other than that for which they have been designed, and the products must not be modified in any way. Pump House accepts no liability for damage caused by the incorrect application or installation of these products.

pump house

Easy~Fit
Easy~Fit

Type 2 Stainless Steel Brackets

These flat-packed, self-assembly stainless steel brackets provide a professional finish to the installation of wall-mounted outdoor condensing units and air source heat pumps. The Type 2 brackets have a crossbar allowing the uprights to be spaced exactly as required, and include wall spacers to help level the unit on uneven walls.

Features

- Uprights mount anywhere on the crossbar which enables the arm span to be adjusted easily
- Adjustable wall spacers to level the arms
- Recommended for coastal locations exposed to sea salt solutions or corrosive environments
- Safe working load up to 160kg

The Package

- Crossbar • 2 x Support Arms
- 2 x Uprights • Fixings • Installation Instructions •

Related Products

All Guards	PAGE 32-37
Collection Trays	PAGE 46

Part Code	Description	Safe Working Load*	Max Load	Crossbar	Upright	Support Arm
CBR2-M-SS	Type 2 Stainless Steel Bracket – Medium	90kg	180kg	900mm	500mm	500mm
CBR2-L-SS	Type 2 Stainless Steel Bracket – Large	140kg	280kg	1040mm	550mm	540mm
CBR2-L+-SS	Type 2 Stainless Steel Bracket – Large Plus	160kg	280kg	1040mm	550mm	660mm

All brackets are tested to twice the safe working loads at an independent UK facility.

* It is the installer's responsibility to ensure that equipment weights do not exceed the safe working loads quoted and that the roof structure onto which these products are being applied is sufficiently sound to withstand the weight and point loading. If these products are used in contact with a PVC roof membrane the installer should seek advice from the membrane manufacturer on the possible migration of plasticizers, and the effect of this on the roof guarantee. These products should not be used for any purpose other than that for which they have been designed, and the products must not be modified in any way. Pump House accepts no liability for damage caused by the incorrect application or installation of these products.

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Easy~Fit

Easy~Fit

Cantilever
Arms

These ready-made, hot-dipped galvanised steel cantilever arms with 14mm diameter holes, offer a quick and easy method of supporting condensing units on external walls. Available in a straight length and webbed version in a variety of lengths. The strut dimensions are 41mm x 41mm x 2.5mm.

Features

- Low cost bracket option
- Cantilever arm kit available to make installation time easier and faster
- Available in straight lengths and webbed versions
- Strut dimensions are 41mm x 41mm x 2.5mm

The Package

- 2 x Single Arms or Webbed •

Related Products

All Guards   PAGE 32-37

Part Code	Description	Safe Working Load*	Crossbar	Upright	Weight
CA-450-S	Cantilever Arm – Single 450mm	250kg	450mm	1.56kg	1.4kg
CA-600-S	Cantilever Arm – Single 600mm	190kg	600mm	1.95kg	2kg
CA-750-S	Cantilever Arm – Single 750mm	150kg	750mm	2.35kg	2.4kg
CA-600-W	Cantilever Arm – Webbed 600mm	190kg	600mm	3.0kg	2.6kg
CA-750-W	Cantilever Arm – Webbed 750mm	150kg	750mm	3.5kg	3kg

The safe working loads quoted are for a concentrated load located at the mid-point of the arm.

* It is the installer's responsibility to ensure that equipment weights do not exceed the safe working loads quoted and that the roof structure onto which these products are being applied is sufficiently sound to withstand the weight and point loading. If these products are used in contact with a PVC roof membrane the installer should seek advice from the membrane manufacturer on the possible migration of plasticizers, and the effect of this on the roof guarantee. These products should not be used for any purpose other than that for which they have been designed, and the products must not be modified in any way. Pump House accepts no liability for damage caused by the incorrect application or installation of these products.

Easy~Fit   Fixings   Flexi   Install +   Partners   PH Family PH Motors   Portable   Service +   Squeezy

Easy~Fit
Cantilever Arm Kits

These kits are flat-packed and come with all of the fixings necessary for a quick and easy installation.

Features

- Low cost bracket option
- Easy and fast to install
- Strut dimensions are 41mm x 41mm x 2.5mm
- All fixings included

Related Products

All Guards	PAGE 32-37

The Package

- 2 x Support Arms • 2 x Uprights • Fixings •

Part Code	Description	Height or Equivalent	Width or Equivalent	Length or Equivalent	Weight	Safe Working Load*
CA-600-KIT	Cantilever Arm Kit – 600mm	750mm	41mm	600mm	9kg	190kg per arm
CA-450-KIT	Cantilever Arm Kit – 450mm	750mm	41mm	450mm	8kg	250kg per arm

The safe working loads quoted are for a concentrated load located at the mid-point of the arm.

* It is the installer's responsibility to ensure that equipment weights do not exceed the safe working loads quoted and that the roof structure onto which these products are being applied is sufficiently sound to withstand the weight and point loading. If these products are used in contact with a PVC roof membrane the installer should seek advice from the membrane manufacturer on the possible migration of plasticizers, and the effect of this on the roof guarantee. These products should not be used for any purpose other than that for which they have been designed, and the products must not be modified in any way. Pump House accepts no liability for damage caused by the incorrect application or installation of these products.

Easy~Fit
Type 1
Brackets

Easy~Fit

These flat-packed, self-assembly brackets provide a professional finish to the installation of wall-mounted outdoor condensing units and air source heat pumps. The Type 1 brackets have uprights that mount directly on to the wall via six shell anchor bolts provided, maximising the rigidity of the installation. For improved corrosion resistance all metal now receives a 100% zinc plating, followed by a hard ED coating, before being finished with an external grade polyester power coating to RAL 7032.

Features

- Uprights mount anywhere on the crossbar which enables the arm span to be adjusted easily
- Adjustable wall spacers to level the arms
- Safe working load up to 250kg
- Suitable to match most brands of condensing units and domestic air source heat pumps
- Extra long arms (up to 1 metre available for larger condensing units)
- Textured finish in (RAL 7032)

Related Products

All Guards	PAGE 32-37
Collection Trays	PAGE 46

The Package

- 2 x Support Arms • 2 x Uprights • Fixings • Installation Instructions •

Sea salts are very corrosive and affect both ferrous and non-ferrous metals. Coastal installations are particularly at risk as they are frequently exposed to sea salt solutions followed by dry periods, where this wet/dry cycle produces a very corrosive environment. We strongly recommend that in such locations only our stainless steel brackets are installed.

Part Code	Description	Safe Working Load*	Max Load	Upright	Support Arm	Weight
CBR1-S	Type 1 Bracket – Small	60kg	120kg	450mm	480mm	3.6kg
CBR1-M	Type 1 Bracket – Medium	90kg	180kg	500mm	530mm	4.6kg
CBR1-L	Type 1 Bracket – Large	140kg	280kg	550mm	580mm	4.7kg
CBR1-XL	Type 1 Bracket – Extra Large	250kg	500kg	550mm	660mm	8.8kg
CBR1-XXL	Type 1 Bracket – 2 x Extra Large	250kg	500kg	550mm	1000mm	11kg

All brackets are tested to twice the safe working loads at an independent UK facility.

Easy~Fit   Fixings   Flexi   Install +   Partners   PH Family   PH Motors   Portable   Service +   Squeezy

Easy~Fit
Type 2 Brackets

Easy~Fit

These flat-packed, self-assembly brackets provide a professional finish to the installation of wall-mounted outdoor condensing units and air source heat pumps. The Type 2 brackets have a crossbar allowing the uprights to be spaced exactly as required, and include wall spacers to help level the unit on uneven walls. For improved corrosion resistance all metal now receives a 100% zinc plating, followed by a hard ED coating, before being finished with an external grade polyester power coating to RAL 7032.

Features

- Integral spirit level makes correct installation of the crossbar easier
- Uprights mount anywhere on the crossbar which enables the arm span to be adjusted easily
- Adjustable wall spacers to level the arms
- Safe working load up to 250kg
- Suitable to match most brands of condensing units and domestic air source heat pumps
- Extra long arms (up to 1 metre available for larger condensing units)
- Textured finish in (RAL 7032)

Related Products

| All Guards | PAGE 32-37 |
| Collection Trays | PAGE 46 |

The Package

• Crossbar with Spirit Level • 2 x Support Arms • 2 x Uprights • Fixings • Installation Instructions •

Sea salts are very corrosive and affect both ferrous and non-ferrous metals. Coastal installations are particularly at risk as they are frequently exposed to sea salt solutions followed by dry periods, where this wet/dry cycle produces a very corrosive environment. We strongly recommend that in such locations only our stainless steel brackets are installed.

Part Code	Description	Safe Working Load*	Max Load	Crossbar	Upright	Support Arm	Weight
CBR2-S	Type 2 Bracket – Small	60kg	120kg	720mm	400mm	400mm	3.8kg
CBR2-M	Type 2 Bracket – Medium	90kg	180kg	900mm	500mm	500mm	4.6kg
CBR2-L	Type 2 Bracket – Large	140kg	280kg	1100mm	550mm	540mm	6.6kg
CBR2-XL	Type 2 Bracket – Extra Large	250kg	500kg	1040mm	550mm	660mm	16.2kg

All brackets are tested to twice the safe working loads at an independent UK facility.

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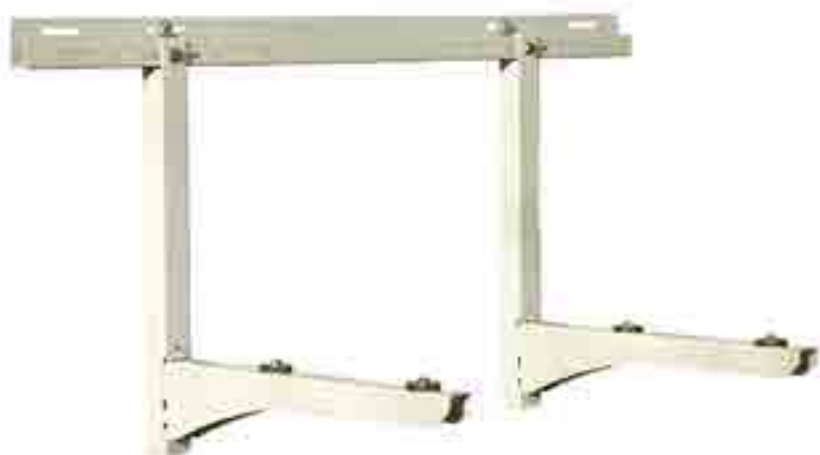
Easy~Fit
Type 3 Brackets

Easy~Fit

The unique, interlocking mechanism of the Type 3 condensing unit brackets enable the arms to be joined to the uprights in a matter of seconds. A spring-lock automatically secures the joint, preventing the arms being dislodged accidentally. For improved corrosion resistance all metal now receives a 100% zinc plating, followed by a hard ED coating, before being finished with an external grade polyester power coating to RAL 7032.

Features

- Quick assembly saves installation time and cost
- Integral spirit-level makes correct installation of the crossbar easier
- Uprights mount anywhere on the crossbar enabling arm span to be adjusted easily
- Wall spacers can be adjusted to level the arms independently
- Textured finish in (RAL 7032)

Related Products

All Guards	PAGE 32-37
Collection Trays	PAGE 46

The Package

• Crossbar with Spirit Level • 2 x Support Arms • 2 x Uprights • Fixings • Installation Instructions •

Sea salts are very corrosive and affect both ferrous and non-ferrous metals. Coastal installations are particularly at risk as they are frequently exposed to sea salt solutions followed by dry periods, where this wet/dry cycle produces a very corrosive environment. We strongly recommend that in such locations only our stainless steel brackets are installed.

Part Code	Description	Safe Working Load*	Max Load	Crossbar	Upright	Support Arm	Weight
CBR3-M	Type 3 Bracket – Medium	90kg	180kg	900mm	500mm	500mm	6.8kg
CBR3-L	Type 3 Bracket – Large	140kg	280kg	1100mm	550mm	540mm	8.3kg

All brackets are tested to twice the safe working loads at an independent UK facility.

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Easy~Fit   Fixings   Flexi   Install +   Partners   PH Family   PH Motors   Portable   Service +   Squeezy

Easy~Fit

Condensate Collection Trays

Lightweight Tray

Metal Tray

Lightweight Trays – These 100% rust-free, UV stabilised, rigid, reinforced PVC condensate collection trays will fit any make of bracket. At less than 1kg, they are much easier to handle than metal trays and the tapered outlet fits a 16mm or 18mm hose pipe.

Features

- Easy to handle – less than 1kg each
- Tapered outlet fits 16mm or 18mm hose pipe

Part Code	Description	Width	Length
CCT-790	Lightweight Tray – Small	390mm	790mm
CCT-940	Lightweight Tray – Large	420mm	940mm

Metal Trays – These metal trays have a convex profile and a recessed surface flush, drain hose adaptor, minimising the amount of standing water left in the tray. Supplied with fixing arms for mounting to all Pump House brackets. For improved corrosion resistance all metal now receives a 100% zinc plating, followed by a hard ED coating, before being finished with an external grade polyester power coating to RAL 7032.

Features

- Concave profile ensures effective water drainage
- Recessed, surface-flush drain pipe adaptor minimizes standing water in the tray
- Three sizes to suit many applications
- 1/2" BSP male thread on drain outlet

Part Code	Description	Width	Length	Weight
CCTM-800	Metal Tray – Small	400mm	800mm	5.27kg
CCTM-1100	Metal Tray – Medium	400mm	1100mm	6.93kg
CCTM-1400	Metal Tray – Large	400mm	1400mm	8.26kg

The Package

• Tray • 2 x Hangers • Fixings • Installation Instructions •

Related Products

All Brackets (Excluding Cantilever Arms)

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Inaba Denko Trunking

The NEW range of Inaba Denko internal and external trunking will ensure that the air conditioning refrigeration pipes are protected with a professional finish. The three colours – black, ivory and white will match most brands of condensing units available, UV resistant, fire proof and can be painted to suit many indoor and outdoor applications.

Straight Duct

Part Code	Description
ID-NSD-100-I	Slimduct – 100mm – 2000mm – Ivory (Order 10)
ID-NSD-100-W	Slimduct – 100mm – 2000mm – White (Order 10)
ID-SD-100-K	Slimduct – 100mm – 2000mm – Black
ID-NSD-75-I	Slimduct – 75mm – 2000mm – Ivory
ID-NSD-75-W	Slimduct – 75mm – 2000mm – White
ID-SD-75-K	Slimduct – 75mm – 2000mm – Black

90° Vertical Elbow

Part Code	Description
ID-SC-100-I	Slimduct – 100mm Elbow Bend – Ivory
ID-SC-100-W	Slimduct – 100mm Elbow Bend – White
ID-SC-100-K	Slimduct – 100mm Elbow Bend – Black
ID-SC-75-I	Slimduct – 75mm Elbow Bend – Ivory
ID-SC-75-W	Slimduct – 75mm Elbow Bend – White
ID-SC-75-K	Slimduct – 75mm Elbow Bend – Black

45° Vertical Elbow

Part Code	Description
ID-SCF-100-I	Slimduct – 100mm 45 Degree Elbow Bend – Ivory
ID-SCF-100-W	Slimduct – 100mm 45 Degree Elbow Bend – White
ID-SCF-100-K	Slimduct – 100mm 45 Degree Elbow Bend – Black
ID-SCF-75-I	Slimduct – 75mm 45 Degree Elbow Bend – Ivory
ID-SCF-75-W	Slimduct – 75mm 45 Degree Elbow Bend – White
ID-SCF-75-K	Slimduct – 75mm 45 Degree Elbow Bend – Black

Reducer

Part Code	Description
ID-SDR-100-75-I	Slimduct – 100-75mm Reducer Joint – Ivory
ID-SDR-100-75-W	Slimduct – 100-75mm Reducer Joint – White
ID-SDR-100-75-K	Slimduct – 100-75mm Reducer Joint – Black

End Fitting

Part Code	Description
ID-SE-75-I	Slimduct – 75mm Duct End – Ivory
ID-SE-75-W	Slimduct – 75mm Duct End – White
ID-SE-75-K	Slimduct – 75mm Duct End – Black
ID-SEN-100-I	Slimduct – 100mm Duct End – Ivory
ID-SEN-100-W	Slimduct – 100mm Duct End – White
ID-SEN-100-K	Slimduct – 100mm Duct End – Black

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Inaba Denko Partners Trunking

…continued

Flexible Joint

Part Code	Description
ID-SF-100-800-I	Slimduct – 100mm – 800mm Flexible Joint – Ivory
ID-SF-100-800-W	Slimduct – 100mm – 800mm Flexible Joint – White
ID-SF-100-800-K	Slimduct – 100mm – 800mm Flexible Joint – Black
ID-SF-75-500-I	Slimduct – 75mm – 500mm Flexible Joint – Ivory
ID-SF-75-500-W	Slimduct – 75mm – 500mm Flexible Joint – White
ID-SF-75-500-K	Slimduct – 75mm – 500mm Flexible Joint – Black

Coupler

Part Code	Description
ID-SJ-100-I	Slimduct – 100mm Connection Piece – Ivory
ID-SJ-100-W	Slimduct – 100mm Connection Piece – White
ID-SJ-100-K	Slimduct – 100mm Connection Piece – Black
ID-SJ-75-I	Slimduct – 75mm Connection Piece – Ivory
ID-SJ-75-W	Slimduct – 75mm Connection Piece – White
ID-SJ-75-K	Slimduct – 75mm Connection Piece – Black

90° Flat Elbow

Part Code	Description
ID-SK-100-I	Slimduct – 100mm 90 Degree Flat Bend – Ivory
ID-SK-100-W	Slimduct – 100mm 90 Degree Flat Bend – White
ID-SK-100-K	Slimduct – 100mm 90 Degree Flat Bend – Black
ID-SK-75-I	Slimduct – 75mm 90 Degree Flat Bend – Ivory
ID-SK-75-W	Slimduct – 75mm 90 Degree Flat Bend – White
ID-SK-75-K	Slimduct – 75mm 90 Degree Flat Bend – Black

45° Flat Elbow

Part Code	Description
ID-SKF-100-I	Slimduct – 100mm 45 Degree Flat Bend – Ivory
ID-SKF-100-W	Slimduct – 100mm 45 Degree Flat Bend – White
ID-SKF-100-K	Slimduct – 100mm 45 Degree Flat Bend – Black
ID-SKF-75-I	Slimduct – 75mm 45 Degree Flat Bend – Ivory
ID-SKF-75-W	Slimduct – 75mm 45 Degree Flat Bend – White
ID-SKF-75-K	Slimduct – 75mm 45 Degree Flat Bend – Black

Ceiling Cover

Part Code	Description
ID-SP-100-I	Slimduct – 100mm Flat Rosette Ivory
ID-SP-100-W	Slimduct – 100mm Flat Rosette White
ID-SP-100-K	Slimduct – 100mm Flat Rosette Black
ID-SP-75-I	Slimduct – 75mm Flat Rosette Ivory
ID-SP-75-W	Slimduct – 75mm Flat Rosette White
ID-SP-75-K	Slimduct – 75mm Flat Rosette Black

T Joint

Part Code	Description
ID-ST-100-I	Slimduct – 100mm T Joint – Ivory
ID-ST-100-W	Slimduct – 100mm T Joint – White
ID-ST-100-K	Slimduct – 100mm T Joint – Black
ID-ST-75-I	Slimduct – 75mm T Joint – Ivory
ID-ST-75-W	Slimduct – 75mm T Joint – White
ID-ST-75-K	Slimduct – 75mm T Joint – Black

Wall Inlet

Part Code	Description
ID-SW-100-I	Slimduct – 100mm Wall Cover – Ivory
ID-SW-100-W	Slimduct – 100mm Wall Cover – White
ID-SW-100-K	Slimduct – 100mm Wall Cover – Black
ID-SW-75-I	Slimduct – 75mm Wall Cover – Ivory
ID-SW-75-W	Slimduct – 75mm Wall Cover – White
ID-SW-75-K	Slimduct – 75mm Wall Cover – Black

Wall Cap

Part Code	Description
ID-SWC-100-I	Slimduct – 100mm Wall Rosette – Ivory
ID-SWC-100-W	Slimduct – 100mm Wall Rosette – White
ID-SWC-100-K	Slimduct – 100mm Wall Rosette – Black
ID-SWC-75-I	Slimduct – 75mm Wall Rosette – Ivory
ID-SWC-75-W	Slimduct – 75mm Wall Rosette – White
ID-SWC-75-K	Slimduct – 75mm Wall Rosette – Black

Tie Clip Kit

Part Code	Description
ID-SL-300	Slimduct – Tie Clip

TR-D-140

TR-CP-140

TR-EC-140

TR-IC-140

TR-WC-140

TR-FB-140

ASHP
Trunking

Partners

Pipework and insulation running from an air source heat pump should be protected. Our range of trunking comes in a 140mm width with an ivory or black option and accommodates both the insulated flow and return pipework along with any associated cabling.

Part Code Ivory	Part Code Black	Description	Height	Width	Length
TR-D-140	TR-D-140-B	Length of Trunking	90mm	140mm	2000mm
TR-WC-140	TR-WC-140-B	Wall Cover	90mm	140mm	–
TR-CP-140	TR-CP-140-B	Straight Connector	90mm	140mm	–
TR-IC-140	TR-IC-140-B	90 Degree Internal Bend	90mm	140mm	–
TR-FB-140	TR-FB-140-B	90 Degree Flat Bend	90mm	140mm	–
TR-EC-140	TR-EC-140-B	90 Degree External Bend	90mm	140mm	–

Easy~Fit Fixings Flexi Install + Partners PH Family PH Motors Portable Service + Squeezy

Flexi

Flexi

Lite Slab and Foot Kit

A low cost innovative solution for floor mounting any type of air conditioning equipment and air source heat pump. The FLEXI Lite Slab and Foot kit avoids the high cost and time consuming need to construct a concrete base. It can be delivered to site with minimum preparation and can be assembled in minutes. It provides a fixing point for the unit and has built in anti-vibration characteristics. It also suits most brands of air conditioning units and domestic air source heat pumps.

Features

- Low cost and rapid installation time
- Easy to transport and locate
- Safe working load – 600kg
- Simple to construct
- Fixing pack to secure feet to the slab
- Fixing pack to secure condenser or heat pump to the feet

Related Products

Wooden Guard   PAGE 37

The Package

- Flexi Slab • 2 or 3 x Flexi Feet
- 2 x Fixing Plate • Fixings
- Installation Instructions •

* It is the installer's responsibility to ensure that equipment weights do not exceed the safe working loads quoted and that the roof structure onto which these products are being applied is sufficiently sound to withstand the weight and point loading. If these products are used in contact with a PVC roof membrane the installer should seek advice from the membrane manufacturer on the possible migration of plasticizers, and the effect of this on the roof guarantee. These products should not be used for any purpose other than that for which they have been designed, and the products must not be modified in any way. Pump House accepts no liability for damage caused by the incorrect application or installation of these products.

Material	
Rubber	Compression moulded using milled, sieved and graded, recycled rubber bound with high quality adhesive
Density	1.0kg/cm^3
Strut	41 x 21 x 1.5mm galvanized steel
Slab	1200 x 600 x 75mm encapsulated polystyrene core slab reinforced with textured cement coating

Part Code	Description	Width	Height	Length	Weight	Safe Working Load*
FF-UC3	Flexi Slab and Foot Kit (With Two Feet)	600mm	175mm	1200mm	25.5kg	600kg
FF-UC3-3	Flexi Slab and Foot Kit (With Three Feet)	600mm	175mm	1200mm	31kg	600kg
FF-UC3-XL	Flexi Slab and Foot Kit (With Two Feet)	865mm	175mm	1650mm	47kg	600kg

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Flexi

Flexi

Mounting Block

These mounting blocks are lightweight, 100% rust-free, UV stabilised and manufactured from reinforced PVC. Suitable for mounting air conditioning units and domestic air source heat pumps. The blocks reduce vibration and are supplied with fixings for a simple, rapid installation.

Features

- Supplied with anti-slip strips on the base
- End caps are available for a professional finish
- Available in three sizes

Related Products

Flexi Foot with Strut	PAGE 57
Anti-Vibration Strips	PAGE 53

The Package

• Mounting Block • Fixings •

Part Code	Description	Height	Width	Length	Safe Working Load*
CMB-350	Mounting Block – 350mm	100mm	100mm	350mm	240kg
CMB-450	Mounting Block – 450mm	100mm	100mm	450mm	240kg
CMB-1000	Mounting Block – 1000mm	100mm	100mm	1000mm	240kg

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Partners

Ultralite®
Slabs

Don't be fooled – Ultralite® Slabs look and perform like concrete slabs but at only 13kg they are lightweight and very easy to handle and transport. So give your aching back a rest and use Ultralite® Slabs to mount all your air conditioning units and domestic air source heat pumps.

Features

- Safe working load – 56kg per 50mm diameter
- Easy to handle and transport
- Available in three sizes

Chemical Resistance

In normal usage conditions an equipment pad can be exposed to a variety of chemicals. The Ultralite® Slab has been fully tested in accordance with ASTM D2299 for resistance against: all refrigerants, compressor oils, salt solution and synthetic canine urine.

Construction

- Encapsulated polystyrene core
- Fibre reinforced cement coating
- Outside slurry coating with texturing

Freeze/Thaw Testing

The Ultralite® Slab has been independently tested to the rigorous freeze-thaw regimen specified by ASTM C67. This standard dictates a twenty-five cycle freeze-thaw sequence. The freeze portion of the sequence takes place with the top surface of the slab under 12mm of water. Once twenty five cycles are complete the slab is examined for cracks and crazing. The Ultralite® Slab performed flawlessly.

Related Products

Flexi Frames   PAGE 55-56

The Package

• Ultralite® Slab •

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Part Code	Description	Length	Width	Depth	Safe Working Load*
UC-1636-2	ULTRALITE® Equipment Slab	900mm	400mm	51mm	343kg
UC-2424-2	ULTRALITE® Equipment Slab	600mm	600mm	51mm	270kg
UC-2448-3	ULTRALITE® Equipment Slab	1200mm	600mm	76mm	703kg

Other sizes may be available – please contact our Sales Office to discuss your requirements.

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Flexi

Rubber and Cork Mounting Strips

Flexi

Anti-Vibration Mounting Strips are a low cost option for mounting air conditioning units, air source heat pumps and other equipment providing vibration reduction and sound dampening. Available in recycled rubber and cork-rubber in various sizes.

Features

- Up to 30 dB(A) reduction in sound
- UV stable

Related Products

Mounting Blocks	PAGE 51

The Package

- 1 Rubber Strip or Cork Strip •

Part Code	Description	Length	Width	Thickness
AVMS-1	Anti-Vibration Mounting Strip – RUBBER	500mm	50mm	15mm
AVMS-2	Anti-Vibration Mounting Strip – RUBBER	1000mm	75mm	15mm
AVMS-3	Anti-Vibration Mounting Strip – RUBBER	1200mm	75mm	15mm
AVMS-4	Anti-Vibration Mounting Strip – RUBBER	1000mm	100mm	15mm
AVMS-CR-3	Anti-Vibration Mounting Strip – CORK	1200mm	75mm	12.5mm
AVMS-CR-4	Anti-Vibration Mounting Strip – CORK	1200mm	100mm	12.5mm

Cork – Rubber Strips	
Rubber	Natural Granulated Cork – 1.0 to 3.0mm Chloroprene Rubber
Density	600 kg/m^3
Tensile Strength	2.2mpa
Compressibility	25-40%
Recovery	80%
Hardness	50 SHORE A
Working Temperature	- 20°C to +135°C

Rubber Strips	
Rubber	Recycled Rubber
Density	900 kg/m^3
Tensile Strength	2.1mpa
Elongation at Break	125%
Hardness	60 SHORE A

Easy~Fit   Fixings   **Flexi**   Install +   **Partners**   PH Family PH Motors   Portable   Service +   Squeezy
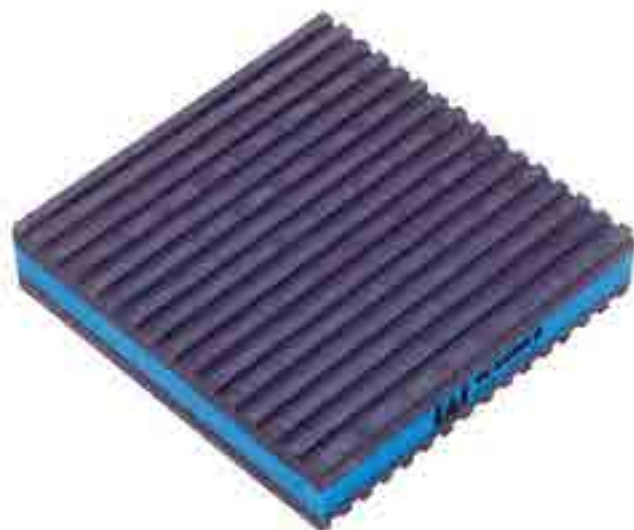
EVA™ Pads

EVA™ anti-vibration pads are designed to effectively eliminate vibrations and reduce noise levels from appliances such as compressors, condensing units and air source heat pumps. Out-performing cork and rubber by 3:1, the EVA Pad has a special composite foam centre and is resistant to most oils and chemicals.

Features

- Safe working load – 3.5kg per cm^2
- Special composite foam centre
- Available in five sizes

Material Specification

- **RUBBER** Used as the anti-vibration surface on the top/bottom of the pad. This rubber is a styrene butadiene rubber with aggressive tensile strength and characteristics suitable for the application
- **EVA™** Used as the core vibration dampening material. This EVA material is a polymetric foam material. It is constructed out of a blend of ethyl vinyl acetate and other enhancements

Related Products

| Ultralite® Slabs | PAGE 52 |

The Package

- 1 x EVA™ Mounting Pad •

Part Code	Description	Length	Width	Depth	Weight
MP-2E	EVA Anti-Vibration Mounting Pad – 50mm	50mm	50mm	20mm	0.036kg
MP-3E	EVA Anti-Vibration Mounting Pad – 80mm	80mm	80mm	20mm	0.075kg
MP-4E	EVA Anti-Vibration Mounting Pad – 100mm	100mm	100mm	20mm	0.146kg
MP-6E	EVA Anti-Vibration Mounting Pad – 150mm	150mm	150mm	20mm	0.342kg
MP-12E	EVA Anti-Vibration Mounting Pad – 305mm	305mm	305mm	20mm	1.395kg
MP-18E	EVA Anti-Vibration Mounting Pad – 460mm	460mm	460mm	20mm	2.97kg

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Flexi

Flexi

H-Frames

Our H-frame kits offer the installer full flexibility by providing a solution where they can supply their own strut to suit their installation requirements. The H-frame kits can be supplied with a pair of either 320mm feet, (these are most widely used in the majority of installations) 365mm dia. feet, or where heavier more demanding loads are present, use the 500mm foot version kit. All kits are supplied with hot dip galvanised angle brackets together with all the necessary fixings to assist the installer in a low cost, versatile and fast assembly solution on site.

Features & Benefits

- Non-penetrative support
- Flexible design to accommodate late design changes
- Fast and simple installation
- Hot dip galvanized bracketry
- Rubber mats adhered to feet
- Three foot sizes available
- The kit comes supplied in a box
- Full AutoCAD drawing support
- Load management and wind calculations available
- Full on-site support and surveying services

Material Specification

- Foot – 365mm dia. UV stabilised 100% polypropylene
- Foot – 320mm and 500mm UV stabilised 90% polypropylene, 10% grp
- Mat – 100% natural rubber (mat is adhered to the feet)
- Fixings – M10 ZP sets, spring washers and nuts
- Angle brackets – mild steel, hot dip galvanized BS EN ISO 1461:1999
- This product is supplied boxed. Kit does NOT include strut (frame) metalwork

Related Products

Flexi Frames   PAGE 56

The Package

- 2 x Square Black Feet • Fixings •

*NB The lengths of strut are not supplied with this kit.
** As the strut is not supplied with the kit, the maximum load is a guide only.

Part Code	Description	Foot Size	Safe Working Load**	Weight
F-HF-320	Flexi H-Frame Set – 2 Square Black Feet and Fittings*	320mm x 320mm	250kg	4kg
F-HF-500	Flexi H-Frame Set – 2 Square Black Feet and Fittings*	500mm x 500mm	600kg	6kg

** It is the installer's responsibility to ensure that equipment weights do not exceed the safe working loads quoted and that the roof structure onto which these products are being applied is sufficiently sound to withstand the weight and point loading. If these products are used in contact with a PVC roof membrane, the installer should seek advice from the membrane manufacturer on the possible migration of plasticizers, and the effect of this on the roof guarantee. These products should not be used for any purpose other than that for which they have been designed, and the products must not be modified in any way. Pump House accepts no liability for damage caused by the incorrect application or installation of these products.

Square Black Foot

Grey Foot

Flexi
Flexi
Frames

The BASE & EXTENDER frames are designed to provide stability and spread loads evenly across flat roof surfaces. The galvanised steel frame raises equipment up to 405mm above the flat roof level, permitting quick and easy access for roof maintenance.

Features

- Quick and easy height adjustments
- Fast and easy to install
- Time and cost saving
- Allows maintenance access under the equipment
- No penetration of water proof membrane
- Suitable for multiple ASHP installation on flat roofs

Related Products

Flexi H Frames	PAGE 55
Flexi Foot with Strut	PAGE 57
Flexi Foot Universal	PAGE 59

The Package

- 4 x Feet • 2 x Box Section
- 2 x Strut Beam with Clamps
- 3 x Adjustable Leg Assembly
- 8 x Pre-Assembled Bolts •

Part Code		Description	Length	Width	Min Height	Max Height	Safe Working Load*	Weight
Black Foot	**Grey Foot**							
PH-BF-B	PH-BF	Flexi Base Frame	1200mm	1200mm	300mm	405mm	500kg	30kg
PH-EF-B	PH-EF	Flexi Extender Frame	1200mm	1200mm	300mm	405mm	500kg	24kg
PH-BF-1500-B	PH-BF-1500	Flexi Base Frame 1500	1500mm	1500mm	300mm	405mm	500kg	33kg
PH-EF-1500-B	PH-EF-1500	Flexi Extender Frame 1500	1500mm	1500mm	300mm	405mm	500kg	24kg

Material	
Feet	365mm^2, UV-stabilised polypropylene and vulcanized natural rubber
Legs	50mm diameter, 3mm galvanized steel tube. M24 galvanized steel height adjuster. 3mm galvanized steel U-clevis
Box Beams	38 x 38 x 2.5mm galvanized steel square tube
Cross Beams	41 x 41 x 2.5mm galvanized steel slotted channel
Fixing Bolts	M12 zinc-plated steel

Operating Temperatures: -25ºC to + 80ºC

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Flexi Foot with Strut

Flexi Foot with Strut – These feet can support pipework, cable tray, and can also be used to mount air conditioning units, air source heat pumps and a variety of outdoor equipment. Solar thermal and solar photovoltaic on flat roof installations can also be accommodated.

Features

- Available in four sizes: 250mm, 400mm, 600mm and 1000mm
- Made from heavy duty recycled rubber
- 21 x 41mm galvanized steel strut is supplied bonded to the rubber
- Drain slots molded to the underside of the foot

Related Products

| Flexi H Frames | PAGE 55 |
| Flexi Frames | PAGE 56 |

The Package

- 1 x Flexi Foot with Strut •

Material	
Rubber	Compression moulded using milled, sieved and graded, recycled rubber bound with high quality adhesive
Density	1.0 kg/cm^3
Strut	41 x 21 x 1.5mm galvanized steel

Part Code	Description	Length	Width	Height	Safe Working Load*	Weight
FF-250-S	Flexi Foot – 250mm Strut	250mm	185mm	100mm	125kg	2.8kg
FF-400-S	Flexi Foot – 400mm Strut	400mm	185mm	100mm	200kg	4.6kg
FF-600-S	Flexi Foot – 600mm Strut	600mm	185mm	100mm	300kg	7.6kg
FF-1000-S	Flexi Foot – 1000mm Strut	1000mm	185mm	100mm	500kg	12.0kg

* The maximum loads quoted in the above table is based on loads applied over the top surface, and have been tested with a 4:1 safety ratio.
• It is the installer's responsibility to ensure that equipment weights do not exceed the safe working loads quoted and that the roof structure onto which these products are being applied is sufficiently sound to withstand the weight and point loading. If these products are used in contact with a PVC roof membrane the installer should seek advice from the membrane manufacturer on the possible migration of plasticizers, and the effect of this on the roof guarantee. These products should not be used for any purpose other than that for which they have been designed, and the products must not be modified in any way. Pump House accepts no liability for damage caused by the incorrect application or installation of these products.

Flexi
Fix
Clamp

The Flexi Fix Clamp is used to add additional stability particularly with twin fan units. The fix clamp can be secured to the floor with anchor bolts.

Part Code	Description	Length	Width	Height
FF-FIXCLAMP	Fix Clamp	240mm	60mm	103mm

Related Products

Flexi Foot with Strut	PAGE 57
Flexi Foot Universal	PAGE 59

Flexi
Fix Pack

To complement our range of Flexi Feet we have created two versions of fix packs in either spring nut or T bolt. The pack contain bolts, nuts and washers for the installation of a pair of feet for a single condensing unit.

Related Products

Flexi Foot with Strut	PAGE 57

Part Code	Description
FF-FIX PACK	Components with Spring Bolts to Secure an Outdoor A/C Unit – (For 2 Feet)
FF-FIX 2	Components with T Bolts to Secure an Outdoor A/C Unit – (For 2 Feet)

Flexi Foot Universal

The Flexi Foot Universal has three M10 inserts, offering support for small pipework and runs of cable tray, air source heat pumps and a variety of outdoor equipment. The installer is free to bolt their own strut of various lengths to suit any installation from 500mm to 3000mm in length. It can also be used to support both solar thermal and solar photovoltaic on flat roof installations.

Features

- One size: 250mm
- Made from heavy duty recycled rubber
- Three M10 inserts set into the mould
- Drain slots moulded to the underside of the foot

Related Products

Threaded Rod — PAGE 86

The Package

- 1 x Flexi Foot with Three M10 Inserts •

Material	
Rubber	Compression moulded using milled, sieved and graded, recycled rubber bound with high quality adhesive
Density	1.0 kg/cm^3
Inserts	M10 (metric course thread) x 20mm zinc plated steel, through inserts
Maximum Torque (inserts)	15Nm
Maximum Load (inserts)	25kg

Part Code	Description	Length	Width	Height	Safe Working Load*	Weight
FF-250-UNI	FLEXI FOOT – 250mm Universal	250mm	185mm	100mm	125kg	2.8kg

* The maximum loads quoted is 25kg per insert and have been tested with a 4:1 safety ratio.

• It is the installer's responsibility to ensure that equipment weights do not exceed the safe working loads quoted and that the roof structure onto which these products are being applied is sufficiently sound to withstand the weight and point loading. If these products are used in contact with a PVC roof membrane the installer should seek advice from the membrane manufacturer on the possible migration of plasticizers, and the effect of this on the roof guarantee. These products should not be used for any purpose other than that for which they have been designed, and the products must not be modified in any way. Pump House accepts no liability for damage caused by the incorrect application or installation of these products.

Pump House
Portables

Portable

(available as Cooling Only or Heat Pump) (Heat Pump option is a reverse cycle unit)

The Pump House portable air conditioners are suitable for offices, computer rooms and light commercial use. The cooling only model is ideal for cooling flats, conservatories or loft conversions during hot summer months. The heat pump model can also be used as an energy efficient form of heating during the cold winter months.

Features

- Meets EN14511 standard and EU commission regulation 206/2012
- Proven well-tested designs
- LED display and remote control (both models)
- Flexible exhaust hose – 1.5m (both models)
- Energy efficiency rating A
- Suitable for areas up to 26m²
- No pump required – self-evaporating condensate. Hose needs to be connected when in heat-only mode
- R410A Refrigerant

Related Products

Through Wall Air Conditioner   PAGE 61

A

ENERGY EFFICIENCY

The Package

- Portable Unit • Remote Controller
- Installation Instructions •

Portable Spare Parts

We supply spare parts for all of the Pump House Portables – Please enquire for details.

Part Code	Description	Cool Capacity Btu / kW	Heat Capacity Btu / kW	Watts	Amps	Air Flow Volume	EER	COP	dB(A) Sound Power Level
PAC-C-12	Portable (Cooling)	12,000 / 3.5	N/A	1350 W	5.9 A	370m³/h	2.6	N/A	65
PAC-H-12	Portable (Heat Pump)	12,000 / 3.5	10,000 / 2.9	1350 W	5.9 A	370m³/h	2.6	2.6	65

Part Code	Description	Height	Width	Depth	Weight	Hose Length	Refrigerant	Cooling Area
PAC-C-12	Portable (Cooling)	765mm	467mm	397mm	34kg	1.5m	R410A	18-26m²
PAC-H-12	Portable (Heat Pump)	765mm	467mm	397mm	37.5kg	1.5m	R410A	18-26m²

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WAC-C-12

Portable

Through the Wall Air Conditioner

Wall air conditioners, also known as through-the-wall or in-wall air conditioners, are designed to be a long-lasting fixture. These 12,000 btu air conditioners are mounted into a hole in the wall as a permanent installation.

Features

- Meets EN14511 standard and EU commission regulation 206/2012
- 12,000 btu
- Proven, well-tested design
- LED display
- Remote control
- Low noise
- Suitable for areas up to 23m^2
- R32 refrigerant

Related Products

| Portables | PAGE 60 |

The Package

- Through Wall Unit • Remote Controller • Installation Instructions •

Part Code	Description	Cooling Capacity Btu / kW	Watts	Amps	Air Flow Volume
WAC-C-12	Through-Wall Air Conditioner	12000/3.5	1100	5.1	400m³/h

Height	Width	Depth	Weight	Refrigerant	Cooling Area
400mm	560mm	670mm	42kg	R32	16-23m^2

Easy~Fit   Fixings   Flexi   Install +   Partners   PH Family   PH Motors   Portable   Service +   Squeezy

Accessories, Ancillaries, Tools and Maintenance
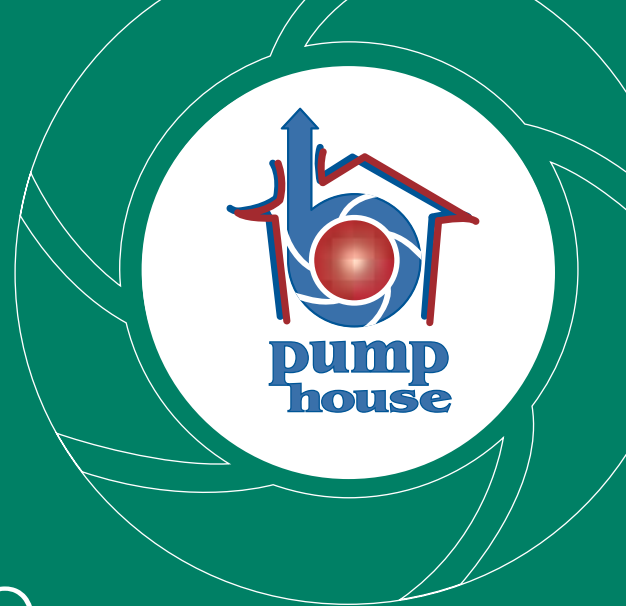
Meet the Team...

Nadine Bailey
Sales
Representative

Jill Cureton
Area Sales
Manager

Paul Greengrass
Business
Development
Manager

Section 3

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NEW & EXCLUSIVE

Copper Fittings
Page 69-78

Pump House offer a comprehensive range of high quality AC and refrigeration copper fittings manufactured to the very latest ASME and BS/EN standards that are fully compliant and certified to Pressure Equipment Directive (PED) requirements. 2016 will see the introduction of CO_2 fittings to the range (as per page 69).

Install +

Squeezy~Fit Threaded Rod Hangers
Page 86

These clamps support a pair of flow and return insulated copper air conditioning pipes on either M8 or M10 threaded rod. By simply squeezing the tips together the spring steel rod hanger can be fitted or adjusted in seconds.

Squeezy

Rotary Enclosed Isolators
Page 68

Insulated 3 and 4 pole, CE marked, A/C isolators, suitable for disconnecting power supply to outdoor air conditioning condensing units.

Install +

Flexible Hose
Page 66

Pump House Flexible Hose is designed to meet the requirements of the MCS MIS 3005 installation specification to allow the flow and return pipe work to connect to a heat pump. The flexible hose helps to avoid any movement in the pipe work and allows for a smooth bend when connecting.

Install +

Braided Hose

Install +

Now available in 6 metre and 30 metre coils. This reinforced PVC hose is suitable for condensate drains and comes packaged in clear shrink wrap for protection and easy storage. Black reinforced PVC hose has no light penetration, preventing build up of mould growth.

Features

- Available in 6 metre and 30 metre lengths
- Available in clear or black
- Maximum temperature +60 degrees
- Minimum temperature -15 degrees

Related Products

Cassette Adaptor	PAGE 27
Hose Connector	PAGE 26

The Package

- Coil of Clear or Black Braided Hose
- Available in 6m or 30m Lengths •

Part Code	Description	ID	OD	Working	Burst	Min Bend Radius	Min Temp*	Max Temp
RVT-1/2-6	1/2" x 6m Clear	12mm	16mm	6	18	30°	-15°C	+60°C
RVT-3/4-6	3/4" x 6m Clear	19mm	23mm	6	18	30°	-15°C	+60°C
RVT-1/4	1/4" x 30m Clear	6mm	10mm	7	21	30°	-15°C	+60°C
RVT-3/8	3/8" x 30m Clear	10mm	14mm	8	24	30°	-15°C	+60°C
RVT-1/2	1/2" x 30m Clear	12mm	16mm	6	18	30°	-15°C	+60°C
RVT-5/8	5/8" x 30m Clear	16mm	20mm	6	18	30°	-15°C	+60°C
RVT-1/4-B	1/4" x 30m Black	6mm	10mm	7	21	30°	-15°C	+60°C
RVT-3/8-B	3/8" x 30m Black	10mm	14mm	8	24	30°	-15°C	+60°C
RVT-1/2-B	1/2" x 30m Black	12mm	16mm	6	18	30°	-15°C	+60°C

* Hose stored in conditions above +5°C will be easier to handle/install.

Clear
Vinyl Hose

Install +

Applications include air conditioning and refrigeration condensate drains, condensate pump discharge lines and humidifier overflows. Available in 30 metre and 15 metre coils, the clear vinyl hose comes ready packed in a box making it easier for use and storage.

Features

- Several sizes from 1/4" to 1" diameter
- Non-toxic clear vinyl chloride
- Extra rigid design resists crimpling and kinking due to durometer value of 80 (shore A) and thicker wall
- Maximum service temperature 140°F (60°C)
- Better performance in cold weather climates

Related Products

Braided Hose	PAGE 64

The Package

- Coil of Clear Vinyl Hose
- Available in 6m or 30m Lengths •

Part Code	Description	ID	OD	Length
7-14	1/4" x 30m Clear	6.3mm	9.1mm	30m
7-38	3/8" x 30m Clear	9.5mm	12.5mm	30m
7-12	1/2" x 30m Clear	12.7mm	16mm	30m
7-58	5/8" x 30m Clear	15.8mm	19.6mm	30m
7-34	3/4" x 30m Clear	19mm	23.1mm	30m
7-78	7/8" x 15m Clear	22.2mm	26.7mm	15m
7-10	1" x 15m Clear	25.4mm	30.8mm	15m

KUT-ALL Plastic
Hose and Tube Cutter

Install +

The KUT-All PK-2 is a tough, durable nylon cutter with a foldable blade for safe handling. Using replaceable high carbon, Teflon coated steel blades it is ideal for cutting up to 1-1/8" I.D. plastic tubing, reinforced plastic tubing, rigid plastic pipe, and rubber hose.

Part Code	Description
PK-2	Kut-All Plastic Hose and Tube Cutter
PK-2B	Replacement Blades for Kut-All

Easy~Fit   Fixings   Flexi   **Install +**   Partners   PH Family   PH Motors   Portable   Service +   Squeezy

1" BSP Female

1" BSP Male

Install +

Flexible Hose

Pump House Flexible Hose is designed to meet the requirements of the MCS MIS 3005 installation specification to allow the flow and return pipe work to connect to a heat pump. The flexible hose helps to avoid transmission of vibration in the pipe work and allows for a smooth bend when connecting the flow and return pipe to the heat pump or biomass boiler.

The 28m hose is sleeved within a stainless steel braid for added protection, available in female or male BSP (British Standard Pipe) thread at one end and 28mm compression fitting at the other. The hose comes with 19mm thick weather proof, PVC coated insulation for UV stability and added robustness.

Features

- Stainless steel braided hose
- Pre-insulated with 19mm thick PVC coating
- 1" and 1-1/4" male or female BSP thread fitting available
- 28mm / 32mm compression fitting
- Suitable for most ASHP and Biomass Boilers

Related Products

Inaba Trunking	PAGE 47-49
Flexi Lite Slab and Foot Kit	PAGE 50
ASHP Trunking	PAGE 49

The Package

- 2 x Flexible Hose • 2 x Insulation
- 2 x Elbow (Only in Elbow Version) •

Part Code	Description	Length	Diameter	Fitting 1	Fitting 2	Insulation
FH-500-28-F	ASHP Flexible Hose 500	500mm	28mm	1" FBSP	28mm Compression	19mm
FH-750-28-F	ASHP Flexible Hose 750 Female	750mm	28mm	1" FBSP	28mm Compression	19mm
FH-750-28-M	ASHP Flexible Hose 750 Male	750mm	28mm	1" MBSP	28mm Compression	19mm
FH-1000-28-F	ASHP Flexible Hose 1000	1000mm	28mm	1" FBSP	28mm Compression	19mm
FH-750-28-F ELB	ASHP Flexible Hose 750 Female Elbow	750mm	28mm	1" FBSP	28mm Compression	19mm
FH-750-32-F	ASHP Flexible Hose 750 Female	750mm	32mm	1/1/4" FBSP	32mm Compression	19mm

Ancillaries – Insulation

Part Code	Description	Length	Diameter	Thickness	ID
FH-I-1000-15	PVC Coated Weather and Waterproof Insulation 1000	1000mm	41mm	13mm	15mm
FH-I-1000-22	PVC Coated Weather and Waterproof Insulation 1000	1000mm	60mm	19mm	22mm
FH-I-1000-28	PVC Coated Weather and Waterproof Insulation 1000	1000mm	66mm	19mm	28mm
FH-I-1000-35	PVC Coated Weather and Waterproof Insulation 1000	1000mm	73mm	19mm	35mm

Through the Wall Kit

Install +

Running pipework from an externally mounted air source heat pump or biomass boiler into a property, requires the pipework to run through the exterior wall. The hot pipework will be affected by cold bridging and heat loss if it is not insulated correctly. The Pump House TW-Kit (Through Wall Insulation Kit) provides both thermal insulation within the wall complete with elbow section to cover the copper connection. To be used with standard 65mm core drill.

Part Code	Description
TW-KIT	Sleeved 19mm tough PVC coated insulation kit

Features

- Avoids heat loss and improves efficiency
- 190mm wall insulation with tough PVC coating
- 2 x straight 320mm lengths
- 2 x custom slit elbows
- Suitable for both 22mm and 28mm pipe

Related Products

All Guards	PAGE 32-37
All Brackets	PAGE 43-45

The Pump House Training Academy is open to all wholesalers and contractors - call now for full details

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Rotary Enclosed Isolators

Insulated 3 and 4 pole, CE marked, A/C isolators, suitable for disconnecting power supply to outdoor air conditioning condensing units.

Features

- Weatherproof to IP65
- Easy installation
- M20/25 knockouts up to 63A
- Handle lockable in off position
- Interlocked cover – removable in off position only
- Earth and neutral terminals included
- Captive, retained cover screws
- Conforms to IEC 60947-3

Related Products

| All Guards | PAGE 32-37 |
| All Brackets | PAGE 43-45 |

The Package

- Rotary Enclosed Isolator •

Part Code	No. of Poles	Amps AC21	AC23 A 240VA	AC23 A 400VA	Cable Capacity		Height	Width	Depth
					Solid	Stranded			
IS-3P-20A	3	20 Amp	5.5 kW	3.7 kW	1-16mm^2	0.75-10mm^2	175mm	114mm	135mm
IS-3P-32A	3	32 Amp	11 kW	7.5 kW	1-16mm^2	0.75-10mm^2	175mm	114mm	135mm
IS-3P-40A	3	40 Amp	15 kW	11 kW	1-16mm^2	0.75-10mm^2	175mm	114mm	135mm
IS-3P-63A	3	63 Amp	22 kW	18.5 kW	1-16mm^2	0.75-10mm^2	175mm	114mm	135mm
IS-4P-20A-S	4	20 Amp	5.5 kW	3.7 kW	1-16mm^2	0.75-10mm^2	125mm	100mm	120mm
IS-4P-20A	4	20 Amp	5.5 kW	3.7 kW	1-16mm^2	0.75-10mm^2	175mm	114mm	135mm
IS-4P-32A-S	4	32 Amp	11 kW	7.5 kW	1-16mm^2	0.75-10mm^2	125mm	100mm	120mm
IS-4P-32A	4	32 Amp	11 kW	7.5 kW	1-16mm^2	0.75-10mm^2	175mm	114mm	135mm
IS-4P-40A	4	40 Amp	15 kW	11 kW	1-16mm^2	0.75-10mm^2	175mm	114mm	135mm
IS-4P-63A	4	63 Amp	22 kW	18.5 kW	1-16mm^2	0.75-10mm^2	175mm	114mm	135mm

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Copper Fittings

Pump House offer a comprehensive range of high quality AC and refrigeration copper fittings manufactured to the very latest ASME and BS/EN standards and are fully compliant and certified to Pressure Equipment Directive (PED) requirements. Other sizes may be available – please contact the Sales Office for further information.

NEW FOR 2016!

We will be adding CO_2 Fittings to the range – please contact the Sales Office for details.

90 Degree Elbow (CxC)

C235-0002-PH-SR

Part Code	Description	Connections
C235-0001-PH-SR	Elbow 90 Degree 1/4"	1/4
C235-0002-PH-SR	Elbow 90 Degree 3/8"	3/8
C235-0025-PH-SR	Elbow 90 Degree 1/2"	1/2
C235-0050-PH-SR	Elbow 90 Degree 5/8"	5/8
C235-0090-PH-SR	Elbow 90 Degree 3/4"	3/4
C235-0100-PH-SR	Elbow 90 Degree 7/8"	7/8
C235-0150-PH-SR	Elbow 90 Degree 1-1/8"	1-1/8
C235-0215-PH-SR	Elbow 90 Degree 1-3/8"	1-3/8
C235-0295-PH-SR	Elbow 90 Degree 1-5/8"	1-5/8
C235-0390-PH-SR	Elbow 90 Degree 2-1/8"	2-1/8
C235-0520-PH-SR	Elbow 90 Degree 2-5/8"	2-5/8
C235-0650-PH-SR	Elbow 90 Degree 3-1/8"	3-1/8
C235-0750-PH-SR	Elbow 90 Degree 3-5/8"	3-5/8
C235-0850-PH-SR	Elbow 90 Degree 4-1/8"	4-1/8

90 Degree Street Elbow (FxC)

C254-0002-PH-SRSE

Part Code	Description	Connections
C254-0002-PH-SRSE	Street Elbow 90 Degree 3/8"	3/8
C254-0025-PH-SRSE	Street Elbow 90 Degree 1/2"	1/2
C254-0050-PH-SRSE	Street Elbow 90 Degree 5/8"	5/8
C254-0090-PH-SRSE	Street Elbow 90 Degree 3/4"	3/4
C254-0100-PH-SRSE	Street Elbow 90 Degree 7/8"	7/8
C254-0150-PH-SRSE	Street Elbow 90 Degree 1-1/8"	1-1/8
C254-0215-PH-SRSE	Street Elbow 90 Degree 1-3/8"	1-3/8
C254-0295-PH-SRSE	Street Elbow 90 Degree 1-5/8"	1-5/8
C254-0390-PH-SRSE	Street Elbow 90 Degree 2-1/8"	2-1/8
C254-0520-PH-SRSE	Street Elbow 90 Degree 2-5/8"	2-5/8
C254-0650-PH-SRSE	Street Elbow 90 Degree 3-1/8"	3-1/8
C254-0750-PH-SRSE	Street Elbow 90 Degree 3-5/8"	3-5/8
C254-0850-PH-SRSE	Street Elbow 90 Degree 4-1/8"	4-1/8

Copper Fittings ...continued

90 Degree Long Turn Elbow (CxC)

C242-0001-PH-LR

Part Code	Description	Connections
C242-0001-PH-LR	Elbow Long Turn 90 Degree 1/4"	1/4
C242-0002-PH-LR	Elbow Long Turn 90 Degree 3/8"	3/8
C242-0025-PH-LR	Elbow Long Turn 90 Degree 1/2"	1/2
C242-0050-PH-LR	Elbow Long Turn 90 Degree 5/8"	5/8
C242-0090-PH-LR	Elbow Long Turn 90 Degree 3/4"	3/4
C242-0100-PH-LR	Elbow Long Turn 90 Degree 7/8"	7/8
C242-0150-PH-LR	Elbow Long Turn 90 Degree 1-1/8"	1-1/8
C242-0215-PH-LR	Elbow Long Turn 90 Degree 1-3/8"	1-3/8
C242-0295-PH-LR	Elbow Long Turn 90 Degree 1-5/8"	1-5/8
C242-0390-PH-LR	Elbow Long Turn 90 Degree 2-1/8"	2-1/8
C242-0520-PH-LR	Elbow Long Turn 90 Degree 2-5/8"	2-5/8
C242-0650-PH-LR	Elbow Long Turn 90 Degree 3-1/8"	3-1/8
C242-0750-PH-LR	Elbow Long Turn 90 Degree 3-5/8"	3-5/8
C242-0850-PH-LR	Elbow Long Turn 90 Degree 4-1/8"	4-1/8

90 Degree Long Turn Street Elbow (FxC)

C272-0002-PH-LRSE

Part Code	Description	Connections
C272-0002-PH-LRSE	Street Elbow Long Turn 90 Degree 3/8"	3/8
C272-0025-PH-LRSE	Street Elbow Long Turn 90 Degree 1/2"	1/2
C272-0050-PH-LRSE	Street Elbow Long Turn 90 Degree 5/8"	5/8
C272-0090-PH-LRSE	Street Elbow Long Turn 90 Degree 3/4"	3/4
C272-0100-PH-LRSE	Street Elbow Long Turn 90 Degree 7/8"	7/8
C272-0150-PH-LRSE	Street Elbow Long Turn 90 Degree 1-1/8"	1-1/8
C272-0215-PH-LRSE	Street Elbow Long Turn 90 Degree 1-3/8"	1-3/8
C272-0295-PH-LRSE	Street Elbow Long Turn 90 Degree 1-5/8"	1-5/8
C272-0390-PH-LRSE	Street Elbow Long Turn 90 Degree 2-1/8"	2-1/8
C272-0520-PH-LRSE	Street Elbow Long Turn 90 Degree 2-5/8"	2-5/8
C272-0650-PH-LRSE	Street Elbow Long Turn 90 Degree 3-1/8"	3-1/8
C272-0750-PH-LRSE	Street Elbow Long Turn 90 Degree 3-5/8"	3-5/8
C272-0850-PH-LRSE	Street Elbow Long Turn 90 Degree 4-1/8"	4-1/8

45 Degree Elbow (CxC)

C290-0050-PH-45DEG

Part Code	Description	Connections
C290-0002-45DEG	Elbow 45 Degree 3/8"	3/8
C290-0025-45DEG	Elbow 45 Degree 1/2"	1/2
C290-0050-45DEG	Elbow 45 Degree 5/8"	5/8
C290-0090-45DEG	Elbow 45 Degree 3/4"	3/4
C290-0100-45DEG	Elbow 45 Degree 7/8"	7/8
C290-0150-45DEG	Elbow 45 Degree 1-1/8"	1-1/8
C290-0215-45DEG	Elbow 45 Degree 1-3/8"	1-3/8
C290-0295-45DEG	Elbow 45 Degree 1-5/8"	1-5/8

45 Degree Elbow (CxC)   ...continued

Part Code	Description	Connections
C290-0390-45DEG	Elbow 45 Degree 2-1/8"	2-1/8
C290-0520-45DEG	Elbow 45 Degree 2-5/8"	2-5/8
C290-0650-45DEG	Elbow 45 Degree 3-1/8"	3-1/8
C290-0750-45DEG	Elbow 45 Degree 3-5/8"	3-5/8
C290-0850-45DEG	Elbow 45 Degree 4-1/8"	4-1/8

45 Degree Street Elbow (FxC)

C295-0002-PH-45SE

Part Code	Description	Connections
C295-0002-PH-45SE	Street Elbow 45 Degree 3/8"	3/8
C295-0025-PH-45SE	Street Elbow 45 Degree 1/2"	1/2
C295-0050-PH-45SE	Street Elbow 45 Degree 5/8"	5/8
C295-0090-PH-45SE	Street Elbow 45 Degree 3/4"	3/4
C295-0100-PH-45SE	Street Elbow 45 Degree 7/8"	7/8
C295-0150-PH-45SE	Street Elbow 45 Degree 1-1/8"	1-1/8
C295-0215-PH-45SE	Street Elbow 45 Degree 1-3/8"	1-3/8
C295-0295-PH-45SE	Street Elbow 45 Degree 1-5/8"	1-5/8
C295-0390-PH-45SE	Street Elbow 45 Degree 2-1/8"	2-1/8
C295-0520-PH-45SE	Street Elbow 45 Degree 2-5/8"	2-5/8
C295-0650-PH-45SE	Street Elbow 45 Degree 3-1/8"	3-1/8
C295-0750-PH-45SE	Street Elbow 45 Degree 3-5/8"	3-5/8
C295-0850-PH-45SE	Street Elbow 45 Degree 4-1/8"	4-1/8

Couplings with Tube Stops (CxC)

C165-0001-PH-CXC

Part Code	Description	Connections
C165-0001-PH-CXC	Elbow Long Turn 90 Degree 1/4"	1/4
C165-0002-PH-CXC	Elbow Long Turn 90 Degree 3/8"	3/8
C165-0025-PH-CXC	Elbow Long Turn 90 Degree 1/2"	1/2
C165-0050-PH-CXC	Elbow Long Turn 90 Degree 5/8"	5/8
C165-0090-PH-CXC	Elbow Long Turn 90 Degree 3/4"	3/4
C165-0100-PH-CXC	Elbow Long Turn 90 Degree 7/8"	7/8
C165-0150-PH-CXC	Elbow Long Turn 90 Degree 1-1/8"	1-1/8
C165-0215-PH-CXC	Elbow Long Turn 90 Degree 1-3/8"	1-3/8
C165-0295-PH-CXC	Elbow Long Turn 90 Degree 1-5/8"	1-5/8
C165-0390-PH-CXC	Elbow Long Turn 90 Degree 2-1/8"	2-1/8
C165-0520-PH-CXC	Elbow Long Turn 90 Degree 2-5/8"	2-5/8
C165-0650-PH-CXC	Elbow Long Turn 90 Degree 3-1/8"	3-1/8
C165-0750-PH-CXC	Elbow Long Turn 90 Degree 3-5/8"	3-5/8
C165-0850-PH-CXC	Elbow Long Turn 90 Degree 4-1/8"	4-1/8

Reducer Couplings with Tube Stops (CxC)

C165-0007-PH-CXC

Part Code	Description	Connections 1	2
C165-0007-PH-CXC	Reducer Coupling with Tube Stop 3/8" x 1/4"	3/8 x	1/4
C165-0032-PH-CXC	Reducer Coupling with Tube Stop 1/2" x 3/8"	1/2 x	3/8
C165-0033-PH-CXC	Reducer Coupling with Tube Stop 1/2" x 1/4"	1/2 x	1/4
C165-0058-PH-CXC	Reducer Coupling with Tube Stop 5/8'" x 1/2"	5/8 x	1/2

Copper Fittings ...continued

Reducer Couplings with Tube Stops (CxC)

...continued

C165-0223-PH-CXC

Part Code	Description	Connections	
		1	2
C165-0059-PH-CXC	Reducer Coupling with Tube Stop 5/8" x 3/8"	5/8 x	3/8
C165-0093-PH-CXC	Reducer Coupling with Tube Stop 3/4" x 5/8"	3/4 x	5/8
C165-0094-PH-CXC	Reducer Coupling with Tube Stop 3/4" x 1/2"	3/4 x	1/2
C165-0107-PH-CXC	Reducer Coupling with Tube Stop 7/8" x 5/8"	7/8 x	5/8
C165-0108-PH-CXC	Reducer Coupling with Tube Stop 7/8" x 1/2"	7/8 x	1/2
C165-0149-PH-CXC	Reducer Coupling with Tube Stop 7/8" x 3/4"	7/8 x	3/4
C165-0159-PH-CXC	Reducer Coupling with Tube Stop 1-1/8" x 7/8"	1-1/8 x	7/8
C165-0160-PH-CXC	Reducer Coupling with Tube Stop 1-1/8" x 5/8"	1-1/8 x	5/8
C165-0161-PH-CXC	Reducer Coupling with Tube Stop 1-1/8" x 1/2"	1-1/8 x	1/2
C165-1498-PH-CXC	Reducer Coupling with Tube Stop 1-1/8" x 3/4"	1-1/8 x	3/4
C165-0222-PH-CXC	Reducer Coupling with Tube Stop 1-3/8" x 1-1/8"	1-3/8 x	1-1/8
C165-0223-PH-CXC	Reducer Coupling with Tube Stop 1-3/8" x 7/8"	1-3/8 x	7/8
C165-0224-PH-CXC	Reducer Coupling with Tube Stop 1-3/8" x 5/8"	1-3/8 x	5/8
C165-0303-PH-CXC	Reducer Coupling with Tube Stop 1-5/8" x 1-3/8"	1-5/8 x	1-3/8
C165-0304-PH-CXC	Reducer Coupling with Tube Stop 1-5/8" x 1-1/8"	1-5/8 x	1-1/8
C165-0305-PH-CXC	Reducer Coupling with Tube Stop 1-5/8" x 7/8"	1-5/8 x	7/8
C165-0398-PH-CXC	Reducer Coupling with Tube Stop 2-1/8" x 1-5/8"	2-1/8 x	1-5/8
C165-0399-PH-CXC	Reducer Coupling with Tube Stop 2-1/8" x 1-3/8"	2-1/8 x	1-1/8
C165-0400-PH-CXC	Reducer Coupling with Tube Stop 2-1/8" x 1-1/8"	2-1/8 x	1-1/8
C165-0401-PH-CXC	Reducer Coupling with Tube Stop 2-1/8" x 7/8"	2-1/8 x	7/8
C165-0531-PH-CXC	Reducer Coupling with Tube Stop 2-5/8" x 2-1/8"	2-5/8 x	2-1/8
C165-0532-PH-CXC	Reducer Coupling with Tube Stop 2-5/8" x 1-5/8"	2-5/8 x	1-5/8
C165-0533-PH-CXC	Reducer Coupling with Tube Stop 2-5/8" x 1-3/8"	2-5/8 x	1-3/8
C165-0662-PH-CXC	Reducer Coupling with Tube Stop 3-1/8" x 2-5/8"	3-1/8 x	2-5/8
C165-0663-PH-CXC	Reducer Coupling with Tube Stop 3-1/8" x 2-1/8"	3-1/8 x	2-1/8
C165-0664-PH-CXC	Reducer Coupling with Tube Stop 3-1/8" x 1-5/8"	3-1/8 x	1-5/8
C165-0790-PH-CXC	Reducer Coupling with Tube Stop 3-5/8" x 3-1/8"	3-5/8 x	3-1/8
C165-0852-PH-CXC	Reducer Coupling with Tube Stop 4-1/8" x 2-5/8"	4-1/8 x	2-5/8

Reducer Couplings with Tube Stops (FxC)

C410-0093-PH-FXC

Part Code	Description	Connections	
		1	2
C410-0007-PH-FXC	Reducer Coupling FTG to C 3/8" x 1/4"	3/8 x	1/4
C410-0032-PH-FXC	Reducer Coupling FTG to C 1/2" x 3/8"	1/2 x	3/8
C410-0033-PH-FXC	Reducer Coupling FTG to C 1/2" x 1/4"	1/2 x	1/4
C410-0058-PH-FXC	Reducer Coupling FTG to C 5/8" x 1/2"	5/8 x	1/2
C410-0059-PH-FXC	Reducer Coupling FTG to C 5/8" x 3/8"	5/8 x	3/8
C410-0093-PH-FXC	Reducer Coupling FTG to C 3/4" x 5/8"	3/4 x	5/8
C410-0094-PH-FXC	Reducer Coupling FTG to C 3/4" x 1/2"	3/4 x	1/2

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Reducer Couplings with Tube Stops (FxC)

...continued

C410-0305-PH-FXC

Part Code	Description	Connections 1	2
C410-0095-PH-FXC	Reducer Coupling FTG to C 3/4" x 3/8"	3/4 x	3/8
C410-0107-PH-FXC	Reducer Coupling FTG to C 7/8" x 5/8"	7/8 x	5/8
C410-0108-PH-FXC	Reducer Coupling FTG to C 7/8" x 1/2"	7/8 x	1/2
C410-0109-PH-FXC	Reducer Coupling FTG to C 7/8" x 3/8"	7/8 x	3/8
C410-0149-PH-FXC	Reducer Coupling FTG to C 7/8" x 3/4"	7/8 x	3/4
C410-0159-PH-FXC	Reducer Coupling FTG to C 1-1/8" x 7/8"	1-1/8 x	7/8
C410-1498-PH-FXC	Reducer Coupling FTG to C 1-1/8" x 3/4"	1-1/8 x	3/4
C410-0160-PH-FXC	Reducer Coupling FTG to C 1-1/8" x 5/8"	1-1/8 x	5/8
C410-0161-PH-FXC	Reducer Coupling FTG to C 1-1/8" x 1/2"	1-1/8 x	1/2
C410-0222-PH-FXC	Reducer Coupling FTG to C 1-3/8" x 1-1/8"	1-3/8 x	1-1/8
C410-0223-PH-FXC	Reducer Coupling FTG to C 1-3/8" x 7/8"	1-3/8 x	7/8
C410-0224-PH-FXC	Reducer Coupling FTG to C 1-3/8" x 5/8"	1-3/8 x	5/8
C410-0303-PH-FXC	Reducer Coupling FTG to C 1-5/8" x 1-3/8"	1-5/8 x	1-3/8
C410-0304-PH-FXC	Reducer Coupling FTG to C 1-5/8" x 1-1/8"	1-5/8 x	1-1/8
C410-0305-PH-FXC	Reducer Coupling FTG to C 1-5/8" x 7/8"	1-5/8 x	7/8
C410-0306-PH-FXC	Reducer Coupling FTG to C 1-5/8" x 5/8"	1-5/8 x	5/8
C410-0398-PH-FXC	Reducer Coupling FTG to C 2-1/8" x 1-5/8"	2-1/8 x	1-5/8
C410-0399-PH-FXC	Reducer Coupling FTG to C 2-1/8" x 1-3/8"	2-1/8 x	1-1/8
C410-0400-PH-FXC	Reducer Coupling FTG to C 2-1/8" x 1-1/8"	2-1/8 x	1-1/8
C410-0401-PH-FXC	Reducer Coupling FTG to C 2-1/8" x 7/8"	2-1/8 x	7/8
C410-0402-PH-FXC	Reducer Coupling FTG to C 2-1/8" x 5/8"	2-1/8 x	5/8
C410-0531-PH-FXC	Reducer Coupling FTG to C 2-5/8" x 2-1/8"	2-5/8 x	2-1/8
C410-0532-PH-FXC	Reducer Coupling FTG to C 2-5/8" x 1-5/8"	2-5/8 x	1-5/8
C410-0533-PH-FXC	Reducer Coupling FTG to C 2-5/8" x 1-3/8"	2-5/8 x	1-3/8
C410-0662-PH-FXC	Reducer Coupling FTG to C 3-1/8" x 2-5/8"	3-1/8 x	2-5/8
C410-0663-PH-FXC	Reducer Coupling FTG to C 3-1/8" x 2-1/8"	3-1/8 x	2-1/8
C410-0664-PH-FXC	Reducer Coupling FTG to C 3-1/8" x 1-5/8"	3-1/8 x	1-5/8
C410-0754-PH-FXC	Reducer Coupling FTG to C 3-5/8" x 3-1/8"	3-5/8 x	3-1/8
C410-0850-PH-FXC	Reducer Coupling FTG to C 4-1/8" x 2-1/8"	4-1/8 x	2-1/8
C410-0852-PH-FXC	Reducer Coupling FTG to C 4-1/8" x 2-5/8"	4-1/8 x	2-5/8
C410-0854-PH-FXC	Reducer Coupling FTG to C 4-1/8" x 3-1/8"	4-1/8 x	3-1/8

Male Adaptor (C x Male NPT)

C101-0050

Part Code	Description	Connections 1	2
C101-0005	Male Adaptor C x Male NPT 3/8" x 1/2"	3/8 x	1/2
C101-0007	Male Adaptor C x Male NPT 3/8" x 1/8"	3/8 x	1/8
C101-0025	Male Adaptor 1/2"x3/8" NPT 1/2" x 3/8"	1/2 x	3/8
C101-0050	Male Adaptor C x Male NPT 5/8" x 1/2"	5/8 x	1/2
C101-0057	Male Adaptor C x Male NPT 5/8" x 3/4"	5/8 x	3/4
C101-0058	Male Adaptor C x Male NPT 5/8" x 3/8"	5/8 x	3/8
C101-0100	Male Adaptor C x Male NPT 7/8" x 3/4"	7/8 x	3/4
C101-0150	Male Adaptor C x Male NPT 1-1/8" x 1"	1-1/8 x	1
C101-0159	Male Adaptor C x Male NPT 1-1/8" x 3/4"	1-1/8 x	3/4

Copper Fittings ...continued

Male Adaptor (C x Male NPT)

...continued

Female Adaptor (C x Female NPT)

C105-0057

End Cap

C154-0050-PH-EC

Part Code	Description	Connections 1 2
C101-0215	Male Adaptor C x Male NPT 1-3/8" x 1-1/4"	3/8 x 1-1/4
C101-0295	Male Adaptor C x Male NPT 1-5/8" x 1-1/2"	5/8 x 1-1/2
C101-0390	Male Adaptor C x Male NPT 2-1/8" x 2"	2-1/8 x 2

Part Code	Description	Connections 1 2
C105-0025	Female Adaptor C x Female NPT 3/8" x 1/2"	3/8 x 1/2
C105-0050	Female Adaptor C x Female NPT 5/8" x 1/2"	5/8 x 1/2
C105-0057	Female Adaptor C x Female NPT 5/8" x 3/4"	5/8 x 3/4
C105-0058	Female Adaptor C x Female NPT 3/8" x 5/8"	3/8 x 5/8
C105-0059	Female Adaptor C x Female NPT 1/4" x 5/8"	1/4 x 5/8
C105-0100	Female Adaptor C x Female NPT 7/8" x 3/4"	7/8 x 3/4
C105-0107	Female Adaptor C x Female NPT 7/8" x 1/2"	7/8 x 1/2
C105-0150	Female Adaptor C x Female NPT 1-1/8" x 1"	1-1/8 x 1
C105-0159	Female Adaptor C x Female NPT 1-1/8" x 3/4"	1-1/8 x 3/4
C105-0215	Female Adaptor C x Female NPT 1-3/8" x 1-1/4"	1-3/8 x 1-1/4
C105-0295	Female Adaptor C x Female NPT 1-5/8" x 1-1/2"	1-5/8 x 1-1/2
C105-0390	Female Adaptor C x Female NPT 2-1/8" x 2"	2-1/8 x 2

Part Code	Description	Connections
C154-0002-PH-EC	Tube Cap 3/8"	3/8
C154-0025-PH-EC	Tube Cap 1/2"	1/2
C154-0050-PH-EC	Tube Cap 5/8"	5/8
C154-0090-PH-EC	Tube Cap 3/4"	3/4
C154-0100-PH-EC	Tube Cap 7/8"	7/8
C154-0150-PH-EC	Tube Cap 1-1/8"	1-1/8
C154-0215-PH-EC	Tube Cap 1-3/8"	1-3/8
C154-0295-PH-EC	Tube Cap 1-5/8"	1-5/8
C154-0390-PH-EC	Tube Cap 2-1/8"	2-1/8
C154-0520-PH-EC	Tube Cap 2-5/8"	2-5/8
C154-0650-PH-EC	Tube Cap 3-1/8"	3-1/8
C154-0750-PH-EC	Tube Cap 3-5/8"	3-5/8
C154-0850-PH-EC	Tube Cap 4-1/8"	4-1/8

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P Trap

C533-0050-PH

Part Code	Description	Connections
C533-0050-PH	P Trap 5/8"	5/8
C533-0090-PH	P Trap 3/4"	3/4
C533-0100-PH	P Trap 7/8"	7/8
C533-0150-PH	P Trap 1-1/8"	1-1/8
C533-0215-PH	P Trap 1-3/8"	1-3/8
C533-0295-PH	P Trap 1-5/8"	1-5/8
C533-0390-PH	P Trap 2-1/8"	2-1/8

180 Degree Return Bend

Part Code	Description	Connections
C180-0002-PH	Return Bend 180 Degree 3/8"	3/8
C180-0025-PH	Return Bend 180 Degree 1/2"	1/2
C180-0050-PH	Return Bend 180 Degree 5/8"	5/8
C180-0090-PH	Return Bend 180 Degree 3/4"	3/4
C180-0100-PH	Return Bend 180 Degree 7/8"	7/8
C180-0150-PH	Return Bend 180 Degree 1-1/8"	1-1/8
C180-0215-PH	Return Bend 180 Degree 1-3/8"	1-3/8
C180-0295-PH	Return Bend 180 Degree 1-5/8"	1-5/8
C180-0390-PH	Return Bend 180 Degree 2-1/8"	2-1/8

Equal Tee (CxCxC)

C460-0090-PH-TEE

Part Code	Description	Connections 1	2	3
C460-0001-PH-TEE	Equal Tee 1/4"	1/4	1/4	1/4
C460-0002-PH-TEE	Equal Tee 3/8"	3/8	3/8	3/8
C460-0025-PH-TEE	Equal Tee 1/2"	1/2	1/2	1/2
C460-0050-PH-TEE	Equal Tee 5/8"	5/8	5/8	5/8
C460-0090-PH-TEE	Equal Tee 3/4"	3/4	3/4	3/4
C460-0100-PH-TEE	Equal Tee 7/8"	7/8	7/8	7/8
C460-0150-PH-TEE	Equal Tee 1-1/8"	1-1/8	1-1/8	1-1/8
C460-0215-PH-TEE	Equal Tee 1-3/8"	1-3/8	1-3/8	1-3/8
C460-0295-PH-TEE	Equal Tee 1-5/8"	1-5/8	1-5/8	1-5/8
C460-0390-PH-TEE	Equal Tee 2-1/8"	2-1/8	2-1/8	2-1/8
C460-0520-PH-TEE	Equal Tee 2-5/8"	2-5/8	2-5/8	2-5/8
C460-0650-PH-TEE	Equal Tee 3-1/8"	3-1/8	3-1/8	3-1/8
C460-0750-PH-TEE	Equal Tee 3-5/8"	3-5/8	3-5/8	3-5/8
C460-0850-PH-TEE	Equal Tee 4-1/8"	4-1/8	4-1/8	4-1/8

Reducing Tee (CxCxC)

Part Code	Description	Connections 1	2	3
C460-0005-PH-RED-TEE	Reducing Tee 3/8" x 3/8" x 1/4"	3/8	3/8	1/4
C460-0006-PH-RED-TEE	Reducing Tee 3/8" x 3/8" x 1/2"	3/8	3/8	1/2
C460-0031-PH-RED-TEE	Reducing Tee 1/2" x 1/2" x 5/8"	1/2	1/2	5/8
C460-0032-PH-RED-TEE	Reducing Tee 1/2" x 1/2" x 3/8"	1/2	1/2	3/8
C460-0033-PH-RED-TEE	Reducing Tee 1/2" x 1/2" x 1/4"	1/2	1/2	1/4
C460-0040-PH-RED-TEE	Reducing Tee 1/2" x 3/8" x 1/2"	1/2	3/8	1/2

Copper Fittings ...continued

Install +

Reducing Tee (CxCxC)

...continued

C460-0118-PH-RED-TEE

1

2

3

Part Code	Description	Connections		
		1	**2**	**3**
C460-0041-PH-RED-TEE	Reducing Tee 1/2" x 3/8" x 3/8"	1/2	3/8	3/8
C460-0056-PH-RED-TEE	Reducing Tee 5/8" x 5/8" x 1-1/8"	5/8	5/8	1-1/8
C460-0057-PH-RED-TEE	Reducing Tee 5/8" x 5/8" x 7/8"	5/8	5/8	7/8
C460-0058-PH-RED-TEE	Reducing Tee 5/8" x 5/8" x 1/2"	5/8	5/8	1/2
C460-0059-PH-RED-TEE	Reducing Tee 5/8" x 5/8" x 3/8"	5/8	5/8	3/8
C460-0066-PH-RED-TEE	Reducing Tee 5/8" x 1/2" x 5/8"	5/8	1/2	5/8
C460-0067-PH-RED-TEE	Reducing Tee 5/8" x 1/2" x 1/2"	5/8	1/2	1/2
C460-0068-PH-RED-TEE	Reducing Tee 5/8" x 1/2" x 3/8"	5/8	1/2	3/8
C460-0076-PH-RED-TEE	Reducing Tee 5/8" x 3/8" x 1/2"	5/8	3/8	1/2
C460-0087-PH-RED-TEE	Reducing Tee 5/8" x 5/8" x 3/4"	5/8	5/8	3/4
C460-0092-PH-RED-TEE	Reducing Tee 3/4" x 3/4" x 7/8"	3/4	3/4	7/8
C460-0093-PH-RED-TEE	Reducing Tee 3/4" x 3/4" x 5/8"	3/4	3/4	5/8
C460-0094-PH-RED-TEE	Reducing Tee 3/4" x 3/4" x 1/2"	3/4	3/4	1/2
C460-0095-PH-RED-TEE	Reducing Tee 3/4" x 3/4" x 3/8"	3/4	3/4	3/8
C460-0098-PH-RED-TEE	Reducing Tee 3/4" x 5/8" x 5/8"	3/4	5/8	5/8
C460-0106-PH-RED-TEE	Reducing Tee 7/8" x 7/8" x 1-1/8"	7/8	7/8	1-1/8
C460-0107-PH-RED-TEE	Reducing Tee 7/8" x 7/8" x 5/8"	7/8	7/8	5/8
C460-0108-PH-RED-TEE	Reducing Tee 7/8" x 7/8" x 1/2"	7/8	7/8	1/2
C460-0109-PH-RED-TEE	Reducing Tee 7/8" x 7/8" x 3/8"	7/8	7/8	3/8
C460-0111-PH-RED-TEE	Reducing Tee 7/8" x 1/2" x 7/8"	7/8	1/2	7/8
C460-0117-PH-RED-TEE	Reducing Tee 7/8" x 5/8" x 7/8"	7/8	5/8	7/8
C460-0118-PH-RED-TEE	Reducing Tee 7/8" x 5/8" x 5/8"	7/8	5/8	5/8
C460-0119-PH-RED-TEE	Reducing Tee 7/8" x 5/8" x 1/2"	7/8	5/8	1/2
C460-0127-PH-RED-TEE	Reducing Tee 7/8" x 1/2" x 5/8"	7/8	1/2	5/8
C460-0157-PH-RED-TEE	Reducing Tee 1-1/8" x 1-1/8" x 1-5/8"	1-1/8	1-1/8	1-5/8
C460-0158-PH-RED-TEE	Reducing Tee 1-1/8" x 1-1/8" x 1-3/8"	1-1/8	1-1/8	1-3/8
C460-0159-PH-RED-TEE	Reducing Tee 1-1/8" x 1-1/8" x 7/8"	1-1/8	1-1/8	7/8
C460-1498-PH-RED-TEE	Reducing Tee 1-1/8" x 1-1/8" x 3/4"	1-1/8	1-1/8	3/4
C460-0160-PH-RED-TEE	Reducing Tee 1-1/8" x 1-1/8" x 5/8"	1-1/8	1-1/8	5/8
C460-0161-PH-RED-TEE	Reducing Tee 1-1/8" x 1-1/8" x 1/2"	1-1/8	1-1/8	1/2
C460-0169-PH-RED-TEE	Reducing Tee 1-1/8" x 7/8" x 1-1/8"	1-1/8	7/8	1-1/8
C460-0170-PH-RED-TEE	Reducing Tee 1-1/8" x 7/8" x 7/8"	1-1/8	7/8	1-1/8
C460-0171-PH-RED-TEE	Reducing Tee 1-1/8" x 7/8" x 5/8"	1-1/8	7/8	5/8
C460-0180-PH-RED-TEE	Reducing Tee 1-1/8" x 5/8" x 1-1/8"	1-1/8	5/8	1-1/8
C460-0181-PH-RED-TEE	Reducing Tee 1-1/8" x 5/8" x 7/8"	1-1/8	5/8	7/8
C460-0220-PH-RED-TEE	Reducing Tee 1-3/8" x 1-3/8" x 2-1/8"	1-3/8	1-3/8	2-1/8

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Reducing Tee (CxCxC)
...continued

C460-0247-PH-RED-TEE

Part Code	Description	Connections		
		1	2	3
C460-0220-PH-RED-TEE	Reducing Tee 1-3/8" x 1-3/8" x 1-5/8"	1-3/8	1-3/8	1-5/8
C460-0222-PH-RED-TEE	Reducing Tee 1-3/8" x 1-3/8" x 1-1/8"	1-3/8	1-3/8	1-1/8
C460-0223-PH-RED-TEE	Reducing Tee 1-3/8" x 1-3/8" x 7/8"	1-3/8	1-3/8	7/8
C460-0224-PH-RED-TEE	Reducing Tee 1-3/8" x 1-3/8" x 5/8"	1-3/8	1-3/8	5/8
C460-0234-PH-RED-TEE	Reducing Tee 1-3/8" x 1-1/8" x 1-3/8"	1-3/8	1-1/8	1-3/8
C460-0235-PH-RED-TEE	Reducing Tee 1-3/8" x 1-1/8" x 1-1/8"	1-3/8	1-1/8	1-1/8
C460-0357-PH-RED-TEE	Reducing Tee 1-3/8" x 1-1/8" x 5/8'"	1-3/8	1-1/8	5/8
C460-0245-PH-RED-TEE	Reducing Tee 1-3/8" x 7/8" x 1-3/8"	1-3/8	7/8	1-3/8
C460-0246-PH-RED-TEE	Reducing Tee 1-3/8" x 7/8" x 1-1/8"	1-3/8	7/8	1-1/8
C460-0247-PH-RED-TEE	Reducing Tee 1-3/8" x 7/8" x 7/8"	1-3/8	7/8	7/8
C460-0302-PH-RED-TEE	Reducing Tee 1-5/8" x 1-5/8" x 2-1/8"	1-5/8	1-5/8	2-1/8
C460-0303-PH-RED-TEE	Reducing Tee 1-5/8" x 1-5/8" x 1-3/8"	1-5/8	1-5/8	1-3/8
C460-0304-PH-RED-TEE	Reducing Tee 1-5/8" x 1-5/8" x 1-1/8"	1-5/8	1-5/8	1-1/8
C460-0305-PH-RED-TEE	Reducing Tee 1-5/8" x 1-5/8" x 7/8'"	1-5/8	1-5/8	7/8
C460-0306-PH-RED-TEE	Reducing Tee 1-5/8" x 1-5/8" x 5/8"	1-5/8	1-5/8	5/8
C460-0315-PH-RED-TEE	Reducing Tee 1-5/8" x 1-3/8" x 1-5/8"	1-5/8	1-3/8	1-5/8
C460-0316-PH-RED-TEE	Reducing Tee 1-5/8" x 1-3/8" x 1-3/8"	1-5/8	1-3/8	1-3/8
C460-0328-PH-RED-TEE	Reducing Tee 1-5/8" x 1-1/8" x 1-5/8"	1-5/8	1-1/8	1-5/8
C460-0330-PH-RED-TEE	Reducing Tee 1-5/8" x 1-1/8" x 1-1/8"	1-5/8	1-1/8	1-1/8
C460-0331-PH-RED-TEE	Reducing Tee 1-5/8" x 1-1/8" x 7/8"	1-5/8	1-1/8	7/8
C460-0339-PH-RED-TEE	Reducing Tee 1-5/8" x 7/8" x 1-5/8"	1-5/8	7/8	1-5/8
C460-0397-PH-RED-TEE	Reducing Tee 2-1/8" x 2-1/8" x 2-5/8"	2-1/8	2-1/8	2-5/8
C460-0398-PH-RED-TEE	Reducing Tee 2-1/8" x 2-1/8" x 1-5/8"	2-1/8	2-1/8	1-5/8
C460-0399-PH-RED-TEE	Reducing Tee 2-1/8" x 2-1/8" x 1-3/8"	2-1/8	2-1/8	1-3/8
C460-0400-PH-RED-TEE	Reducing Tee 2-1/8" x 2-1/8" x 1-1/8'"	2-1/8	2-1/8	1-1/8
C460-0401-PH-RED-TEE	Reducing Tee 2-1/8" x 2-1/8" x 7/8"	2-1/8	2-1/8	7/8
C460-0414-PH-RED-TEE	Reducing Tee 2-1/8" x 1-5/8" x 1-5/8"	2-1/8	1-5/8	1-5/8
C460-0416-PH-RED-TEE	Reducing Tee 2-1/8" x 1-5/8" x 1-1/8"	2-1/8	1-5/8	1-1/8
C460-0417-PH-RED-TEE	Reducing Tee 2-1/8" x 1-5/8" x 7/8"	2-1/8	1-5/8	7/8
C460-0429-PH-RED-TEE	Reducing Tee 2-1/8" x 1-3/8" x 2-1/8"	2-1/8	1-3/8	2-1/8
C460-0431-PH-RED-TEE	Reducing Tee 2-1/8" x 1-3/8" x 1-3/8"	2-1/8	1-3/8	1-3/8
C460-0432-PH-RED-TEE	Reducing Tee 2-1/8" x 1-3/8" x 1-1/8"	2-1/8	1-3/8	1-1/8
C460-0531-PH-RED-TEE	Reducing Tee 2-5/8" x 2-5/8" x 2-1/8"	2-5/8	2-5/8	2-1/8
C460-0532-PH-RED-TEE	Reducing Tee 2-5/8" x 2-5/8" x 1-5/8"	2-5/8	2-5/8	1-5/8
C460-0533-PH-RED-TEE	Reducing Tee 2-5/8" x 2-5/8" x 1-3/8"	2-5/8	2-5/8	1-3/8
C460-0534-PH-RED-TEE	Reducing Tee 2-5/8" x 2-5/8" x 1-1/8"	2-5/8	2-5/8	1-1/8
C460-0535-PH-RED-TEE	Reducing Tee 2-5/8" x 2-5/8" x 7/8"	2-5/8	2-5/8	7/8
C460-0549-PH-RED-TEE	Reducing Tee 2-5/8" x 2-1/8" x 2-1/8"	2-5/8	2-1/8	2-1/8
C460-0663-PH-RED-TEE	Reducing Tee 3-1/8" x 3-1/8" x 2-1/8"	3-1/8	3-1/8	2-1/8
C460-0664-PH-RED-TEE	Reducing Tee 3-1/8" x 3-1/8" x 1-5/8"	3-1/8	3-1/8	1-5/8

Copper Fittings ...continued

U-Type Strap

C947-0090-PH

Part Code	Description	Connections
C947-0025-PH	U Strap 3/8"	3/8
C947-0050-PH	U Strap 5/8"	5/8
C947-0090-PH	U Strap 3/4"	3/4
C947-0100-PH	U Strap 7/8"	7/8
C947-0150-PH	U Strap 1-1/8"	1-1/8
C947-0215-PH	U Strap 1-3/8"	1-3/8
C947-0295-PH	U Strap 1-5/8"	1-5/8
C947-0390-PH	U Strap 2-1/8"	2-1/8

Certificate of Conformity

The Pressure Equipment Directive 97/23/EC

Name and Address of Authorised Person for the Manufacturer within the European Community:

Pump House Pumps Limited, Bleedale Drive East, Nottingham, NG8 4LY

Description of Pressure Equipment:

ACR Copper Fittings - manufactured to ASME 16.22-2001

Conformity Assessment Procedure Used:

All products within the above listed range are subject to Sound Engineering Practice (Article 3, paragraph 3) of the Pressure Equipment Directive (PED) – 97/23/EC, and as such are not required to be CE-marked.

All fittings within the above range have been tested and a safety factor of at least 4 has been applied in obtaining the burst pressure see chart below:

Size	-29-94°C	66°C	93°C	121°C	149°C	177°C	204°C
3/8	4200	5340	9000	4020	4420	4090	3140
1/2	5390	4540	4100	4290	4200	2970	3090
5/8	4570	4220	3900	3980	3820	3310	2400
3/4	4250	4700	5890	5480	4410	2900	2170
7/8	4010	3410	3210	3270	3140	2670	2090
1-1/8	3400	2890	2730	2700	2640	2270	1700
1-3/8	4020	3570	3400	3420	3370	2010	1510
1-5/8	3810	2390	2250	2250	2200	1670	5490
2-1/8	3500	3190	3000	3200	1900	1470	1250
2-5/8	2210	3960	1800	1850	1810	1540	1130
3-1/8	2190	1850	1740	1740	1710	1450	1090
3-5/8	3040	1770	1670	1670	1630	1390	1040
4-1/8	2000	1710	1610	1610	1580	1340	1010

Use for:

Fluids of Group 2 – including commonly used refrigerants such as R22, R410A, R407C, R404A and R744 (Carbon Dioxide).

Applied Technical Specifications:

ASME B16.22-2001
BSEN 378.2.2008 (+A1:2009)

Authorised Person for the manufacturer within the European Community:

Name: Mr. D Bass
Position: Managing Director
Date: 21st August 2015

Signature

Tel: 0115 900 5858 / sales@pumph.co.uk / www.pumph.co.uk

Brass Fittings

Install +

Short Machine Flare Nut

DN1-10

Part Code	Description	Pack Quantity
DN1-3	3/16" Short Nut	10
DN1-4	1/4" Short Nut	10
DN1-5	5/16" Short Nut	10
DN1-6	3/8" Short Nut	10
DN1-8	1/2" Short Nut	10
DN1-10	5/8" Short Nut	10
DN1-12	3/4" Short Nut	10
DN1-14	7/8" Short Nut	5

Short Forged Flare Nut

DNS4-8   DNS4-12

Part Code	Description	Pack Quantity
DNS4-4	1/4" Short Forged Flare Nut	10
DNS4-6	3/8" Short Forged Flare Nut	10
DNS4-8	1/2" Short Forged Flare Nut	10
DNS4-10	5/8" Short Forged Flare Nut	10
DNS4-12	3/4" Short Forged Flare Nut	10
DNS4-14	7/8" Short Forged Flare Nut	5

Flare Tee

DT2-4   DT2-8

Part Code	Description	Pack Quantity
DT2-4	1/4" Flare Tee	10
DT2-6	3/8" Flare Tee	10
DT2-8	1/2" Flare Tee	10
DT2-10	5/8" Flare Tee	10

Cap

DN5-4

Part Code	Description	Pack Quantity
DN5-4	1/4" Cap	10
DN5-6	3/8" Cap	10
DN5-8	1/2" Cap	10
DN5-10	5/8" Cap	10

Plug

DP2-4   DP2-8

Part Code	Description	Pack Quantity
DP2-4	1/4" Plug	10
DP2-6	3/8" Plug	10
DP2-8	1/2" Plug	10
DP2-10	5/8" Plug	10

Flare and MPT Elbow

DE1-4B   DE1-8D

Part Code	Description	Pack Quantity
DE1-4B	1/4" Flare x 1/4" MPT Elbow	10
DE1-6C	3/8" Flare x 3/8" MPT Elbow	10
DE1-8D	1/2" Flare x 1/2" MPT Elbow	10
DE1-12E	3/4" Flare x 3/4" MPT Elbow	10

Brass Fittings ...continued

Install +

Flare and MPT Red Elbow

DE1-6B

Part Code	Description	Pack Quantity
DE1-6B	3/8" Flare x 1/4" MPT Red Elbow	10
DE1-6D	3/8" Flare x 1/2" MPT Red Elbow	10
DE1-8E	1/2" Flare x 3/4" MPT Red Elbow	10
DE1-8C	1/2" Flare x 3/8" MPT Red Elbow	10
DE1-10D	5/8" Flare x 1/2" MPT Red Elbow	10
DE1-12D	3/4" Flare x 1/2" MPT Red Elbow	10

Flare Union

DU2-4   DU2-8

Part Code	Description	Pack Quantity
DU2-4	1/4" Flare Union	10
DU2-6	3/8" Flare Union	10
DU2-8	1/2" Flare Union	10
DU2-10	5/8" Flare Union	10
DU2-12	3/4" Flare Union	10
DU2-14	7/8" Flare Union	5

Flare x Flare Swivel Union

DUS4-4   DUS4-6

Part Code	Description	Pack Quantity
DUS4-4	1/4" Flare x 1/4" Flare Swivel Union	10
DUS4-6	3/8" Flare x 3/8" Flare Swivel Union	10
DUS4-8	1/2" Flare x 1/2" Flare Swivel Union	10

Flare Union

DU1-4A

DU1-8B

Part Code	Description	Pack Quantity
DU1-4A	1/4" Flare x 1/8" MPT Union	10
DU1-4B	1/4" Flare x 1/4" MPT Union	10
DU1-6B	3/8" Flare x 1/4" MPT Union	10
DU1-6C	3/8" Flare x 3/8" MPT Union	10
DU1-6D	3/8" Flare x 1/2" MPT Union	10
DU1-6E	3/8" Flare x 3/4" MPT Union	10
DU1-8B	1/2" Flare x 1/4" MPT Union	10
DU1-8C	1/2" Flare x 3/8" MPT Union	10
DU1-8D	1/2" Flare x 1/2" MPT Union	10
DU1-8E	1/2" Flare x 3/4" MPT Union	10
DU1-10D	5/8" Flare x 1/2" MPT Union	10
DU1-10E	5/8" Flare x 3/4" MPT Union	10
DU1-12D	3/4" Flare x 1/2" MPT Union	10
DU1-12E	3/4" Flare x 3/4" MPT Union	10

Flare x FPT Union

DU3-6D   DU3-10E

Part Code	Description	Pack Quantity
DU3-6C	3/8" x 3/8" Flare x FPT Union	10
DU3-6D	3/8" x 1/2" Flare x FPT Union	10
DU3-8C	1/2" x 3/8" Flare x FPT Union	10
DU3-8D	1/2" x 1/2" Flare x FPT Union	10
DU3-10D	5/8" x 1/2" Flare x FPT Union	10
DU3-10E	5/8" x 3/4" Flare x FPT Union	10

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Install +

Time is money, so they say, so our range of access valves and fittings are designed for quick and easy installation on either OEM equipment or for refrigeration servicing. They can be installed anywhere on either the high or low side for charging, purging, quick testing or pressure checking. Our access fittings have 1/4" SAE male flare access ports and include a quick seal cap and have a stainless and brass Schrader core fitted.

Part Code	Description	Pack Quantity
VA-3-346	3-Way Solder Type for 3/16" OD or 1/4" and 3/8" Solder Fitting	6
VA-34	Straight Solder Type 3/16" ODS x 1/4" ODF	6
VA-46	Straight Solder Type 1/4" ODS x 3/8" ODF	6
VAU-24	Half Union 1/8" MPT	6
VAU-45	Half Union 1/4" MPT	6
VAX-4	Extended Copper Tube 1/4" OD x 3/16" ID	6
VAX-4B	Extended Copper Tube 1/4" OD x 3/16" ID	1
VAX-4B-6	6" Extended Copper Tube 1/4" OD x 3/16" ID	1
VST-4	Swivel Tee with Depressor – 1/4" Access on Run 1/4" Female Flare with Depressor on Female Swivel Branch End	3
VST-44	Swivel Tee with Depressor – 1/4" Access Run x 1/4" Access on T – Female Swivel on Run	3
VST-4X	Swivel Ree with Depressor – 1/4" Access on Run x 1/4" Female Flare with Depressor on Female Swivel Branch End	3
VST-44X	Swivel Tee with Depressor – 1/4" Access on Run x 1/4" Access on T – Female Swivel on Run	3
VT-24	Threaded Tee – 1/8" MPT on Branch, 1/4" Flare x 1/4" Flare Access on Run	3
VTS-46	Solder Tee Type – 1/4" ODS x 1/4" ODS	3
VTS-68	Solder Tee Type – 3/8" ODS x 3/8" ODS	3
VTS-810	Solder Tee Type – 1/2" ODS x 1/2" ODS	3
VU-4	Female Flare Union – 1/4" Female Flare with Copper Gasket	6
VUR-4	Full Union – 1/4" OD Flare Tube with Forged Flare Nut	6
VC-4	Flare Cap – 1/4"	12
VVC-1	Valve Core	6
MSA-44	Adaptor – 1/4" Female Flare with Depressor x 1/4" MNPT	2

Klo-Shure®
Series 7

Partners

Klo-Shure® eliminates having to double-wrap, glue and tape the insulation on strut-mounted clamps. Klo-Shure® insulation coupling reduces the time required to insulate copper tubing used for refrigerant lines. The patented clamp allows sections of closed-cell insulation to be secured at fixing points.

Features

- Reduces installation time
- Provides complete vapour barrier without gluing or taping
- Improves finished appearance
- Insulation wall thicknesses – 3/8", 1/2", 3/4" and 1"
- Pipe diameters from 1/4" up to 4-1/8"
- Manufactured by Hydra-Zorb

The Package

- Klo-Shure® Clamps Supplied in Packs of 10 •

Related Products

DCP-30A/E/V	PAGE 23
DCP-35A	PAGE 24

Part Code		Insulation Wall Thickness			
		3/8"	1/2"	3/4"	1"
Copper Pipe ID	1/4"	723025	–	726025	–
	3/8"	723037	724037	726037	–
	1/2"	723050	724050	726050	–
	5/8"	723062	724062	726062	728062
	3/4"	723075	724075	726075	–
	7/8"	723087	724087	726087	728087
	1"	723100	724100	–	–
	1-1/8"	723112	724112	726112	728112
	1-3/8"	723137	724137	726137	728137
	1-5/8"	723162	724162	726162	728162
	2-1/8"	723212	724212	726212	728212
	2-5/8"	–	724262	726262	728262
	3-1/8"	–	724312	726312	728312
	3-5/8"	–	724362	726362	728362
	4-1/8"	–	724412	726412	–

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Install + Cushion Clamps

Get a grip – Cushion Clamps are the industry-established method of supporting copper refrigerant tube, especially for multiple pipe runs. The zinc dichromate plating provides excellent corrosion resistance and the polymer insert ensures a positive grip, absorbs shock and vibration and prevents galvanic corrosion.

Features

- Stud securely fastened to one clamp half
- Nylon insert nut assures a positive lock
- Withstands effects of most oils, chemicals and industrial cleaners, in temperatures from -25°C to +125°C
- Available in 14 sizes from 1/4" to 4-1/8"

Related Products

| Copper Fittings | PAGE 69-78 |

The Package

- Cushion Clamps Supplied in Packs of 10/5 •

Part Code	Pipe Diameter	Pack Quantity
CC-004	1/4"	10
CC-006	3/8"	10
CC-008	1/2"	10
CC-010	5/8"	10
CC-012	3/4"	10
CC-014	7/8"	10
CC-018	1-1/8"	10

Part Code	Pipe Diameter	Pack Quantity
CC-022	1-3/8"	10
CC-026	1-5/8"	10
CC-034	2-1/8"	5
CC-042	2-5/8"	5
CC-050	3-1/8"	5
CC-058	3-5/8"	5
CC-066	4-1/8"	5

Rapid Positioning Clips
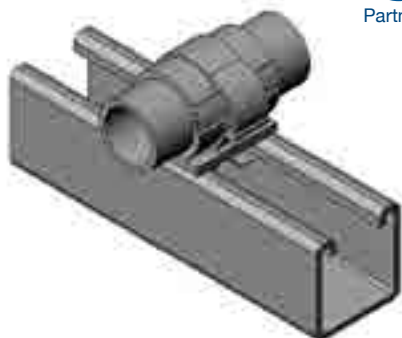
An industry-established method of supporting copper refrigerant tube is the channel-mounted RPC. Ideal for multiple pipe runs, the one-piece, composite polyamide (nylon) alloy clamp absorbs shock and vibration.

Features

- One-piece (quick and easy to install)
- Suitable for A/C and refrigeration pipework
- Suitable for temperatures -40°C to + 140°C
- Available in 9 sizes from 1/4" to 1-5/8"
- Low moisture sensitivity and resistant to solvents, hydrolysis battery acid and salt solutions

Part Code	Tube OD	Pack Quantity
RPC-0014	1/4"	10
RPC-0038	3/8"	10
RPC-0012	1/2"	10
RPC-0058	5/8"	10
RPC-0034	3/4"	10
RPC-0078	7/8"	10
RPC-0118	1-1/8"	10
RPC-0138	1-3/8"	10
RPC-0158	1-5/8"	10

Studded Clips

The studding clip is a unique one-piece design manufactured from a composite polyamide alloy combining strength with light weight. It will overcome the problems of using cable ties for piping, electrical, optical and network cabling.

Part Code	Stud Size	Tube OD	Pack Quantity
SC08-15	M8	5/8"	10
SC08-20	M8	3/4"	10
SC08-22	M8	7/8"	10
SC08-25	M8	1"	10
SC08-28	M8	1-1/8"	10
SC08-32	M8	1-1/4"	10
SC08-35	M8	1-3/8"	10
SC08-40	M8	1-1/2"	10
SC08-42	M8	1-5/8"	10
SC08-50	M8	2"	10
SC08-54	M8	2-1/8"	10

Part Code	Stud Size	Tube OD	Pack Quantity
SC10-15	M10	5/8"	10
SC10-20	M10	3/4"	10
SC10-22	M10	7/8"	10
SC10-25	M10	1"	10
SC10-28	M10	1-1/8"	10
SC10-32	M10	1-1/4"	10
SC10-35	M10	1-3/8"	10
SC10-40	M10	1-1/2"	10
SC10-42	M10	1 -5/8"	10
SC10-50	M10	2"	10
SC10-54	M10	2-1/8"	10

Related Products

Copper Fittings

The Package

• RPC and Studded Clips are Supplied in Packs of 10 •

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InsulClips

Cable Tie Channel Clips

Insert into channel – Twist clockwise – Lock to secure

The benefit of the InsulClips is an uninterrupted vapour seal, which eliminates the problem of sweating on metal fittings.

This makes the InsulClip the ideal product to secure the installation of the refrigerant pipes, allowing the vapour seal to run the length of the pipework without cutting the insulation material.

Made from a composite polyamide (nylon) alloy, which has similar tensile strength properties to nylon but better impact strength, especially at low temperatures.

Part Code	Tube OD	Pack Quantity
IC00-15	5/8"	10
IC00-20	3/4"	10
IC00-22	7/8"	10
IC00-25	1"	10
IC00-28	1-1/8"	10
IC00-32	1-1/4"	10
IC00-35	1-3/8"	10
IC00-40	1-1/2"	10
IC00-42	1-5/8"	10
IC00-50	2"	10
IC00-54	2 -1/8"	10

The Package

• IC's and CTC Clips Supplied in Packs of 10 •

Channel cable tie clips accommodate PVC or metal cable ties up to a width of 17mm and come in three support base lengths of 50, 65 and 80mm.

The channel clips are secured on the channel with a twist lock motion ready for the cable tie to be inserted to secure the refrigeration pipework.

Composite and Manufacture

Clips are made from a composite polyamide (nylon) alloy which has similar tensile strength properties to nylon but better impact strength, especially at low temperatures.

Dimensions

RPC, InsulClips and Cable Tie Channel Clips fit all preformed channels, with a profile width of 41mm and an inturned channel lip of 10mm width and 7mm depth.

Technical Data

Clips can be used in temperatures ranging from -40 to 140°C. They have a melting point of 220°C. They can withstand pressures up to 40MPa, with less than 4% deformation, and provide high resistance to mechanical stress creep. As well as resisting all known solvents, the clips have a low moisture sensitivity. They also have stable electrical and vibration properties and a high resistance to UV light.

Part Code	Size	Pack Quantity
CTC-050	50mm	10
CTC-065	65mm	10
CTC-080	80mm	10

Related Products

Cable Ties

Easy~Fit   Fixings   Flexi   Install +   **Partners**   PH Family PH Motors   Portable   Service +   Squeezy

pump house

Threaded Rod Hangers and Flow and Return Clamps

Squeezy

Squeezy~Fit Threaded Rod Hangers

These clamps support a pair of flow and return insulated copper air conditioning pipes on either M8 or M10 threaded rod. By simply squeezing the tips together the spring steel rod hanger can be fitted or adjusted in seconds, even after the refrigerant pipes have been installed.

Features

- Instant fitting and adjustment
- Folding lock-tab secures pipes into strap
- Black zinc coating matches insulation colour and offers corrosion resistance

Part Code	Description	Liquid Pipe Diameter	Gas Pipe Diameter	Threaded Rod Diameter
TRH-1	TRH-1 Size 1/4" by 1/2"	1/4"	1/2"	M8 / M10
TRH-2	TRH-2 Size 3/8" by 5/8"	3/8"	5/8"	M8 / M10
TRH-3	TRH-3 Size 1/2" by 7/8"	1/2"	7/8"	M8 / M10
TRH-4	TRH-4 Size 5/8" by 1-1/8"	5/8"	1-1/8"	M8 / M10

Flow and Return Clamps

The asymmetric design provides a perfect fit for any one of four pairs of flow and return insulated refrigerant pipes. An 8mm clearance hole allows the clamp to be fixed directly to any flat surface, such as a wall or ceiling.

Features

- Folding lock-tab secures pipes into strap
- Black zinc coating matches insulation colour and offers corrosion resistance

Part Code	Description	Liquid Pipe Diameter	Gas Pipe Diameter	Threaded Rod Diameter
FRC-1	FRC-1 Size 1/4" by 1/2"	1/4"	1/2"	8mm
FRC-2	FRC-2 Size 3/8" by 5/8"	3/8"	5/8"	8mm
FRC-3	FRC-3 Size 1/2" by 7/8"	1/2"	7/8"	8mm
FRC-4	FRC-4 Size 5/8" by 1-1/8"	5/8"	1-1/8"	8mm

Related Products

Threaded Rod

The Package

- TRH and FRC Clamps Supplied in Packs of 10 •

Install +

Vibration Absorbers

Vibration absorbers are designed for installation in the suction and discharge for installation lines of air conditioning and refrigeration systems to dampen the transmission of compressor-induced vibration through system piping.

Features

- Unique oxygen brazing between copper socket and stainless steel ferrule
- Available in 14 sizes to fit refrigerant tubes from 1/4" to 4-1/8"
- Stainless steel corrugated tubing and high tensile wire braid
- Cleaned and dehydrated before packaging
- Individually packed in plastic film and carton box

	Material
Tube End	DHP Copper
Ferrule	Stainless Steel SYS304
Wire Brand	Stainless Steel SYS304
Flexible Tubing	Stainless Steel SYS304
Brazed Joint	Brass

The Package

- Vibration Absorber -

Pump House declare that the above vibration absorbers comply with the appropriate ESSENTIAL SAFETY REQUIREMENT described in Annex 1 of the 97/23/EC pressure equipment directive.

Part Code	Description	Tube OD (inches)	Tube OD (mm)	Max. Working Pressure (psiG)	Burst Pressure (psiG)
VIBA-1/4	Vibration Absorber 1/4" (6mm)	1/4"	6mm	650 (44.8 bar)	3250 (224 bar)
VIBA-3/8	Vibration Absorber 3/8" (10mm)	3/8"	10mm	650 (44.8 bar)	3250 (224 bar)
VIBA-1/2	Vibration Absorber 1/2" (12mm)	1/2"	12mm	650 (44.8 bar)	3250 (224 bar)
VIBA-5/8	Vibration Absorber 5/8" (16mm)	5/8"	16mm	650 (44.8 bar)	3250 (224 bar)
VIBA-3/4	Vibration Absorber 3/4" (18mm)	3/4"	18mm	650 (44.8 bar)	3250 (224 bar)
VIBA-7/8	Vibration Absorber 7/8" (22mm)	7/8"	22mm	650 (44.8 bar)	3250 (224 bar)
VIBA-1-1/8	Vibration Absorber 1-1/8" (28mm)	1-1/8"	28mm	600 (41.3 bar)	3000 (206.8 bar)
VIBA-1-3/8	Vibration Absorber 1-3/8" (35mm)	1-3/8"	35mm	550 (37.9 bar)	2750 (189.6 bar)
VIBA-1-5/8	Vibration Absorber 1-5/8" (42mm)	1-5/8"	42mm	510 (35.1 bar)	2550 (175.8 bar)
VIBA-2-1/8	Vibration Absorber 2-1/8" (54mm)	2-1/8"	54mm	400 (27.5 bar)	2000 (137.8 bar)
VIBA-2-5/8	Vibration Absorber 2-5/8" (64mm)	2-5/8"	64mm	350 (24.1 bar)	1750 (120.6 bar)
VIBA-3-1/8	Vibration Absorber 3-1/8" (76mm)	3-1/8"	76mm	320 (22.0 bar)	1600 (110.3 bar)
VIBA-3-5/8	Vibration Absorber 3-5/8" (89mm)	3-5/8"	89mm	190 (13.1 bar)	570 (39.3 bar)
VIBA-4-1/8	Vibration Absorber 4-1/8" (108mm)	4-1/8"	108mm	190 (13.1 bar)	570 (39.3 bar)

Multi-Fit Fan Motors

PHF Motors

Universal, multi-fit fan motors are ideal for replacement in nearly all industrial and commercial refrigeration and ventilation equipment.

Features

- Individually-boxed complete with fixings
- 1 metre power cord for greater flexibility during installation
- CE-certified/ROHS-2 compliant
- One year, no quibble warranty

Related Products

High Efficiency Motors   PAGE 90

RoHS COMPLIANT

The Package

- Multi-Fit Fan Motor with 1 metre Power Lead •

Part Code	Description	Watts	Voltage	Frequency	Revs	Cable Length
FM-5W	5W Multi-Fit Fan Motor	5W	240V	50 / 60Hz	1300 / 1500rpm	1m
FM-7W	7W Multi-Fit Fan Motor	7W	240V	50 / 60Hz	1300 / 1500rpm	1m
FM-10W	10W Multi-Fit Fan Motor	10W	240V	50 / 60Hz	1300 / 1500rpm	1m
FM-16W	16W Multi-Fit Fan Motor	16W	240V	50 / 60Hz	1300 / 1500rpm	1m
FM-18W	18W Multi-Fit Fan Motor	18W	240V	50 / 60Hz	1300 / 1500rpm	1m
FM-25W	25W Multi-Fit Fan Motor	25W	240V	50 / 60Hz	1300 / 1500rpm	1m
FM-34W	34W Multi-Fit Fan Motor	34W	240V	50 / 60Hz	1300 / 1500rpm	1m

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Tangential Fan Motors

PHF Motors

Tangential single-impeller fan motor assemblies with aluminium blades. Ideal for replacement in nearly all industrial and commercial refrigeration and ventilation equipment.

Features

- Individually-boxed complete with fixing
- CE-certified/ROHS-2 compliant
- One year, no quibble warranty

Related Products

Multi-Fit Motors PAGE 88

RoHS COMPLIANT

The Package

- Tangential Fan Motor •

Part Code	Description	Watts	Blade Length	Rotate Speed	Air Flow
FMTS-15W-90	15W with 90mm Tangential Blade	15 W	90mm	2300rpm	65m³/h
FMTS-15W-120	15W with 120mm Tangential Blade	15 W	120mm	2200rpm	80m³/h
FMTS-20W-180	20W with 180mm Tangential Blade	20 W	180mm	2000rpm	120m³/h
FMTS-30W-240	30W with 240mm Tangential Blade	30 W	240mm	2100rpm	170m³/h
FMTS-30W-300	30W with 300mm Tangential Blade	30 W	300mm	1900rpm	190m³/h

ECM High Efficiency Fan Motors

PHF Motors

These high efficiency ECM electronically commutated motors are far more efficient than the conventional shaded pole motor. The ECM's provide the same output performance with input power reductions of up to 70%. This saves energy and reduces the amount of CO_2 emissions – please see the chart below. These plastic housing motors run cool, are IP65 rated and will directly replace a standard multi-fit refrigeration motor.

Features

- Individually boxed
- Ambient operating temperature between -30ºC to +50ºC
- Maintenance free with ball bearing sleeve to extend the life and provide quiet operation
- Direct replacement for standard multi-fit refrigeration motors
- Motor has over current, over and under voltage protection
- IP65 rated
- 450mm power cord
- CE-certified/ROHS 2011/65/EU compliant
- One year, no-quibble warranty

The Package

- ECM Fan Motor with 450mm Power Lead •

Related Products

Multi-Fit Motors   PAGE 88

Part Code	Description	Watts	Voltage	Frequency	Revs	Cable Length
FM-ECM-7108	ECM High Efficiency Fan Motor	2.5W – 7.5W	230V	50 / 60Hz	1300rpm	450mm
FM-ECM-7112	ECM High Efficiency Fan Motor	2.5W – 23.5W	230V	50 / 60Hz	1300rpm	450mm
FM-ECM-7120	ECM High Efficiency Fan Motor	3.4W – 22.8W	230V	50 / 60Hz	1300rpm	450mm

Part Code	FM-ECM-7108	FM-ECM-7112	FM-ECM-7120	FM-ECM-7108	FM-ECM-7112	FM-ECM-7120	FM-ECM-7108	FM-ECM-7112	FM-ECM-7120	FM-ECM-7108	FM-ECM-7112	FM-ECM-7120	FM-ECM-7108	FM-ECM-7112	FM-ECM-7120
	22°			25°			28°			31°			34°		
Fan Ø															
154mm	2.5W	–	–	2.6W	–	–	3.2W	–	–	3.6W	–	–	4.1W	–	–
172mm	3.3W	–	3.4W	3.6W	–	3.7W	4.2W	–	4W	5.1W	4.8W	5W	6.0W	5.6W	5.4W
200mm	4.8W	4.4W	4.4W	5.8W	5.2W	5.2W	6.5W	5.3W	5.8W	–	7.1W	6.6W	–	7.8W	8W
230mm	–	9.7W	9.7W	–	12W	8.4W	–	14.8W	9.6W	–	17.5W	11W	–	20W	13.2W
254mm	–	15.1W	15.1W	–	18.5W	12.2W	–	23.5W	14.8W	–	–	17.2W	–	–	20.4W
300mm	–	–	–	–	–	22.8W	–	–	–	–	–	–	–	–	–

RoHS COMPLIANT

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pump house

Fan Accessories

Fan Blades – Sucker, Blower, Rings, Guards and Brackets

A complete range of pressed aluminium blades, fan rings, guards and brackets to suit multi-fit fan motors. Available in a variety of diameters and pitches to suit most refrigeration applications. All accessories can be sold as individual items or as a complete assembly combined to create your own fan requirement.

Fan Blades – Sucker

Part Code	Description	Diameter	Pitch
FBS-154-25	154/25 Sucker	154mm	25°
FBS-154-31	154/31 Sucker	154mm	31°
FBS-172-25	172/25 Sucker	172mm	25°
FBS-172-31	172/31 Sucker	172mm	31°
FBS-200-25	200/25 Sucker	200mm	25°
FBS-200-31	200/31 Sucker	200mm	31°
FBS-230-25	230/25 Sucker	230mm	25°
FBS-230-31	230/31 Sucker	230mm	31°
FBS-254-25	254/25 Sucker	254mm	25°
FBS-254-31	254/31 Sucker	254mm	31°
FBS-300-25	300/25 Sucker	300mm	25°
FBS-300-31	300/31 Sucker	300mm	31°

Fan Blades – Blower

Part Code	Description	Diameter	Pitch
FBB-154-25	154/25 Blower	154mm	25°
FBB-154-31	154/31 Blower	154mm	31°
FBB-172-25	172/25 Blower	172mm	25°
FBB-172-31	172/31 Blower	172mm	31°
FBB-200-25	200/25 Blower	200mm	25°
FBB-200-31	200/31 Blower	200mm	31°
FBB-230-25	230/25 Blower	230mm	25°
FBB-230-31	230/31 Blower	230mm	31°
FBB-254-25	254/25 Blower	254mm	25°
FBB-254-31	254/31 Blower	254mm	31°
FBB-300-25	300/25 Blower	300mm	25°
FBB-300-31	300/31 Blower	300mm	31°

Fan Ring

Part Code	Diameter
FRS-154	154 mm
FRS-172	172 mm
FRS-200	200 mm
FRS-230	230 mm
FRS-254	254 mm
FRS-300	300 mm

Fan Guard

Part Code	Diameter
FG-154	154mm
FG-172	172mm
FG-200	200mm
FG-230	230mm
FG-254	254mm
FG-300	300mm

Fan Bracket

Part Code	Height	Width	Depth
FBR-109-1	109mm	81mm	24mm
FBR-109-2	109mm	78mm	39mm
FBR-109-3	109mm	78mm	49mm
FBR-39	39mm	–	–
FBR-55	55mm	–	–
FBR-72	72mm	–	–
FBR-84	84mm	–	–

PHF Motors

Axial Fan Motors

These axial shaded pole fan motors have a compact structure and small volume. They are made out of reinforced plastic, are lightweight, low noise and used on refrigeration equipment, bottle coolers, vending machines and other ventilating and cooling equipment.

Features

- Individually boxed
- Ambient operating temperature -20°C to +60°C
- Ball bearing motor
- Average service life 30,000 hours
- Air flow from 40m³/hr – 132m³/hr
- CE certified / ROHS-2 compliant
- One year warranty

Related Products

Multi-Fit Motors   PAGE 88

RoHS COMPLIANT

The Package

- Axial Fan Motor with Lead or Terminal •

Part Code	Description	Watts	Voltage	Frequency	Revs	Cable Length
FM-A-8038-L	Axial Fan Motor 40m³/hr (With Lead)	15W	240V	50Hz	2200rpm	300mm
FM-A-12025-L	Axial Fan Motor 71m³/hr (With Lead)	13W	240V	50Hz	1800rpm	300mm
FM-A-12038-L	Axial Fan Motor 132m³/hr (With Lead)	20W	240V	50Hz	2500rpm	300mm
FM-A-12038-T	Axial Fan Motor 132m³/hr (With Terminal)	20W	240V	50Hz	2500rpm	N/A

Part Code	Description	Height	Width	Depth	Air Flow	dB(A) Rating
FM-A-8038-L	Axial Fan Motor 40m³/hr (With Lead)	80mm	80mm	38mm	40m³/hr	23.4 dB(A)
FM-A-12025-L	Axial Fan Motor 71m³/hr (With Lead)	120mm	120mm	26mm	71m³/hr	35.6 dB(A)
FM-A-12038-L	Axial Fan Motor 132m³/hr (With Lead)	120mm	120mm	38mm	132m³/hr	37.3 dB(A)
FM-A-12038-T	Axial Fan Motor 132m³/hr (With Terminal)	120mm	120mm	38mm	132m³/hr	37.3 dB(A)

Pro Range

Already established as a leading brand of professional coil cleaning and maintenance products, the DiversiTech PRO-RANGE of concentrated coil cleaners are designed to provide outstanding cleaning results combined with minimal environmental impact and maximum economy.

G2G Range

The DiversiTech G2G range (Good to Go) are pre-mixed coil cleaners in 1 litre convenient trigger bottles for quick and easy application. This range also has a 1 litre leak detector spray available.

Features

- 5 litre concentrates for best value
- Generous mix ratios ensure maximum economy
- NSF Food Safe products available
- G2G (Good to Go) pre-mixed bottles for convenience
- Disinfectant cleaners available
- Odour control and elimination products available

PRO-UNIVERSAL and G2G-UNIVERSAL coil cleaners are now NSF Food Safe registered, making them the ideal product to use in and around food processing areas.

Part Code	Description	Quantity	Suitable for Use on...
PRO-UNIV-GB	Pro-Universal Concentrated Coil Cleaner	5 litres	Condensers, Evaporators and Air Filters
PRO-FOAM+-GB	Alkaline-based Concentrated Coil Cleaner	5 litres	Condensers
PRO-CARE-GB	Evaporator Coil Cleaner and Disinfectant	5 litres	Evaporators, Protecting and Disinfecting
PRO-CLEAN-GB	Alkaline-based Evaporator and Condensing Coil Cleaner	5 litres	Condensers and Evaporators
PRO-COOL-GB	Non-odour Concentrated Liquid Ice Machine Cleaner	5 litres	Ice Machines
PRO-SCALE-GB	Lime Scale Concentrated Remover	5 litres	Condensers and Exchangers
PRO-GREEN-GB	Environmentally Friendly Concentrated Coil Cleaner	5 litres	Condensers, Evaporators and Air Filters
GRAN-UNIV-GB	Granular Coil Cleaner	480g	Condensers, Evaporators and Air Filters

Part Code	Description	Quantity	Suitable for Use on...
G2G-UNIV-GB	Pro-Univeral Pre-Mixed Coil Cleaner	1 litre	Condensers, Evaporators and Air Filters
G2G-FOAM+-GB	Pre-Mixed Alkaline-based Foaming Coil Cleaner	1 litre	Condensers
G2G-CARE-GB	Pre-Mixed Liquid Coil Cleaner and Disinfectant	1 litre	Evaporators, Protecting and Disinfecting
G2G-GREEN+-GB	Environmentally Friendly Pre-Mixed Coil Cleaner	1 litre	Condensers, Evaporators and Air Filters
G2G-BUBBLE-GB	Pre-Mixed Bubble Up Leak Detector	1 litre	Leak Detection

Easy~Fit   Fixings   Flexi   Install +   Partners   PH Family   PH Motors   Portable   Service +   Squeezy

Aerosols

Service +

Pump House have recently produced a range of own-brand aerosol cleaners. These professional aerosols are the perfect blend of high performance and excellent economy. The range includes a universal coil cleaner, evaporator cleaner and disinfectant, a case and hard surface cleaner and a leak detector spray.

Part Code	Description	Quantity	Suitable for Use on...
AER-O-500	Solvent Based Outdoor Coil Cleaner	500ml	Cleaning Condensers
AER-F-600	Foaming Outdoor Coil Cleaner	600ml	Cleaning Condensers
AER-I-600	Indoor Coil Cleaner and Disinfectant	600ml	Cleaning and Disinfecting Indoor Coils
AER-B-500	Bubble Up Leak Detector Spray	500ml	Detecting Leaks on Pipework and Equipment
AER-C-600	Case and Diffuser Cleaner	600ml	Cleaning of Casework and Hard Plastics
AER-D-600	Dual Purpose Coil Cleaner	600ml	Cleaning of Indoor and Outdoor Coils
ZAP-UNIV	Pro-Universal Aerosol	562ml	Cleaning of Indoor and Outdoor Coils
FRESH-COIL-GB	Coil Cleaner and Deodoriser with Nozzle and Applicator Hose	445ml	Cleaning and Deodorising Indoor Coils

Odour Elimination Products

Service +

Smelly AC units? Throw away that peg and use DiversiTech Smell Buster – a unique odour elimination product which is not a cover up perfume, but actually removes unpleasant smells from the air. It eliminates odours caused by smoke, mould, mildew, cat litter and pets, as well as noxious smells created by ammonia, hydrogen sulphide and other chemicals.

Easy-to-use Smell Buster has a pleasant, fresh smell.

Part Code	Description	Quantity	Suitable for Use on...
SMELL-BUSTER-SMALL	Smell-Buster – 12g tablets – 10 pack	10 x 12g	Odour Elimination in RAC Systems
SMELL-BUSTER	Smell-Buster – 60g tablets – 2 pack	2 x 60g	Odour Elimination in RAC Systems
SMELL-BUSTER-8	Smell-Buster – 225g tub	1 x 225g	Odour Elimination in RAC Systems
G2G-SMELL-BUSTER	Liquid Smell-Buster – 1 litre spray	1 litre	Odour Elimination in RAC Systems

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1002

2602

PS-1-UK

Hand Held and Power Sprayers

There are a number of options available for spraying coil cleaners on to the coils, from simple hand held and compression sprayers to high capacity electric power sprayers. The DiversiTech PS-1 Portable Backpack Power Sprayer is a highly efficient machine designed for fast and easy application of coil cleaning products. Powered by a 12V / 10Ah rechargeable battery, the sprayer saves labour time as it is 3 to 4 times more efficient than a conventional compression sprayer. The sprayer can be operated continuously for up to 10 hours, enough to spray approx. 110 gallons of coil cleaner, holds 15.2 litres and has a low battery warning when down to 20% battery life (approx. 2 hours remaining) of battery life left.

Features

- Streamline contour with adjustable straps – comfortable to carry on the back
- Mini-diaphragm pump with pressure protection switch to prevent over-pressurization
- Automatic start/stop feature on trigger
- Large filler neck for fast and safe refilling
- 15.2 litre capacity – less refilling required

The Package

- Power Sprayer • Wand and Sprayer Head • Spare Sprayer and Adaptors • Charger • Operating Instructions •

Part Code	Description	Capacity
PS-1-UK	Portable Electric Backpack Sprayer	15.2 litres
1002	Hand Held Sprayer	1.4 litres
2601	1 Gallon Compression Wand Sprayer	3.8 litres
2602	2 Gallon Compression Wand Sprayer	7.4 litres
2603	3 Gallon Compression Wand Sprayer	11.4 litres

Partners

Diversi-Flush™ Kit

Dirty and contaminated system? Diversi-Flush™ to the rescue! A unique system and line cleaning solution, ideal for dealing with compressor burn outs, R22 retrofits and equipment upgrades and replacements.

Diversi-Flush™ effectively removes all traces of residual oil and contaminants from the entire system. The easy-to-use kit includes everything needed to quickly and effectively clean through the entire system.

Diversi-Flush™ Solvent is a non-Volatile Organic Compound (VOC), residue-free and complies with the Environmental Protection Agency (EPA) and the Significant New Alternatives Program (SNAP) standards.

Features

- No pump required
- Low toxicity, non-flammable and residue free
- Fast, easy-to-use and low cost
- Can be used on any type of equipment
- Self-contained kit with replaceable solvent refills
- High evaporation rate solvent ensures easy and complete removal from the system
- The kit includes a line set adaptor to connect the flow and return lines

The Package

- 1 x Cylinder • 1 x Refill • 1 x Injector Tool and Hose • 1 x Adaptor • 1 x Funnel • Operating Instructions •

Part Code	Description	Suitable for Use on...
PF-KIT-EU	Diversi-Flush™ HVAC Flushing Kit – Includes Refill (480ml)	Compressor Burnouts, Refrigerant Retrofits and Upgrades
PF-16-EU	Diversi-Flush™ HVAC Flushing Solvent Refill (480ml)	Compressor Burnouts, Refrigerant Retrofits and Upgrades
PF-ADAPTOR	Diversi-Flush™ Line Set Adaptor	Compressor Burnouts, Refrigerant Retrofits and Upgrades

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Partners

Gallo Gun
Drain Line Cleaner

Blocked drain line? No problem with a Gallo-Gun! The DiversiTech Gallo Gun is a lightweight, portable tool designed to unblock condensate drain lines and other pipework instantly. Simply insert a CO_2 cartridge into the Gallo Gun and with a press of the trigger and SWOOSH... 800 psi of food grade CO_2 blows the blockage out – job done!

Features

- Small and Lightweight to handle
- Quick and easy to use with no mess
- Uses Environmentally Friendly CO2
- Flexible hose for hard to reach areas
- Safety catch to prevent accidental discharge
- Optional 3 piece adaptor kit available

Part Code	Description	Quantity	What's in the Package...
GG-1	Gallo Gun Drain Line Cleaner	1	1 x Gallo Gun Drain Line Cleaner
GG-6	Gallo Gun Drain Line Cleaner – Pack of 6 CO_2 Cartridges	6	6 x Single Use CO_2 Cartridges
GG-1A	Gallo Gun Drain Line Cleaner – Adaptor Kit	1	3 x Adaptors for Larger Tubes, Oil Lines and 90° Angles
GG-1H	Gallo Gun Drain Line Cleaner – Hose Assembly	1	1 x Gallo Gun Hose Assembly

Partners

DP-1
Nitrogen Purge Tool

The DP-1 Nitrogen Purge Tool is a quick and easy way to purge copper pipes with nitrogen. Then, with a turn of the dial, quickly switch to a very low flow of nitrogen to properly braze the copper. It has a durable aluminium design so you can just throw it into your tool bag when you are done.

Part Code	Description	Quantity	Used for...
DP-1	Nitrogen Purge Tool	1	Purging and controlling the flow of nitrogen through pipework during brazing

Easy~Fit   Fixings   Flexi   Install +   **Partners**   PH Family PH Motors   Portable   Service +   Squeezy

DIVERSITECH

Lubricants and Sealants

Partners

Pro-Bubble Spray Leak Detector

Pro-Bubble is an easy-to-use leak detector spray ideal for locating gas and air leaks in pipes and equipment. Pro-Bubble will not attack or react with metal surfaces and is highly efficient for the detection of ammonia, refrigerant gas, and air leaks at below freezing temperatures.

Features

- Clinging formula allows detection of microscopic gas leaks
- Pinpoint leaks in any pressurized gas system
- Non-toxic, oxygen safe, non-corrosive

Cool-Weld™ Heat Barrier Spray

Cool-Weld™ is a spray-on gel heat shield for soldering, sweating and welding. Ideal for use on filter driers, pipes, valves, sheet metal, etc. Can be used on porous surfaces such as fabrics or drywall. As long as there is some Cool-Weld™ present the surface will resist charring.

Features

- Eliminates heat transfer to surrounding areas
- Wets and completely protects sensitive areas
- Safe, non-toxic and non-corrosive
- Odourless and non-staining

Pull a Spout Oiler

An all-purpose oiler with a 35cm telescoping spout. Squeeze-bottle action for general industrial use.

WD-40

The classic and best water disperser available, WD-40 loosens rusted part, stops squeaks, removes tar, grease and adhesives fast and effectively.

Part Code	Description	Quantity	Suitable for Use on...
PRO-BUBBLE-32	Pro-Bubble Leak Detector Spray	1	Finding leaks on refrigeration and AC systems
COOLWELD-32	Cool-Weld Heat Barrier Gel Spray	1	Heat barrier gel for soldering, sweating and welding
CO-1	Pull a Spout Oiler – 4oz (118ml)	12	General lubrication of moving parts
741-001	WD-40 (237ml)	1	Protection, lubrication and releasing of seized parts
741-002	WD-40 (325ml)	1	Protection, lubrication and releasing of seized parts

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Pro Tite™ Resin Based Thread Sealant

Leaking Joints? – Not anymore with Pro-Tite sealant. A resin-based thread sealant that adheres to internal surfaces and fills voids while forming a fluid tight seal. Sealing from full vacuum up to 10.000 psi Pro-Tite is specially formulated for use on metals and plastics subject to extreme vibration. Having a temperature range between -73°C to 204°C Pro-Tite is impervious to most chemicals, including refrigerants, petroleum products, gases, steam etc.,

Expanding Foam Sealant

A one component closed-cell expanding polyurethane foam sealant that is tack free in 20 minutes. Can be painted to prevent UV damage after 12 hours of drying time. Used to seal around doors, windows, pipes, ducts and vents – in fact virtually anywhere.

Diversi-Gum Sealing Compound

Diversi-Gum is a non-hardening, non-corrosive sealing compound that is immediately paintable and has a temperature usage range between -4°C and 49°C. It is ideal for sealing openings through foundations or refrigeration pipe entries.

Silicone Sealants

Available in clear or white, DiversiTech Silicone sealants are 100% food grade and can be used in applications for continuous use up to 232°C. It is UV and water resistant and has long term flexibility.

Part Code	Description	Pack Quantity	Quantity
CLL-1	Pro Tite (39ml) Squeeze Tube	12	1
01714	Foam Sealant (355ml)	12	1
01724	Foam Sealant (591ml)	12	1
6-202-1	DiversiGum (0.5kg) Slug	24	1
6-202-2	DiversiGum (1kg) Slug	20	1
7-4000	Clear Silicone Sealant (305ml)	12	1
7-4100	White Silicone Sealant (305ml)	12	1

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Line Seal Kits

Partners

Leaking system – Can't reach, or even find the leak? No problem with a DiversiTech Line Seal kit. Line Seal kits are a fast and effective way to permanently seal system leaks in refrigerant systems. Line Seal stops existing leaks and remains in the system to prevent future leaks.

Available in two sizes, Line Seal is compatible with all oils and refrigerants and it will not contaminate the refrigerant. Line Seal uses the systems refrigerant as a charge, requires no recovery or pump down and meets ARI 700 purity standards.

Features

- Butane and propane free – will not contaminate refrigerant
- Stops existing leaks
- Prevents future leaks
- Fast, effective and permanent
- Compatible with all oils and refrigerants
- Self-contained kit – everything is in the box

Part Code	Description	Quantity	Suitable for Use on...
LS-1	Line Seal kit for systems up to 1.5 tons (5kW)	1	Sealing leaks in small systems up to 1.5 tons (5kW)
LS-2	Line Seal kit for systems from 1.5 tons to 5 tons (5kW to 17kW)	1	Sealing leaks in systems from 1.5 to 5 tons (5 to 17kW)

Universal Copper Spun Driers

Partners

Manufactured with the latest generation molecular sieves and compatible with many refrigerants including R134a, our universal copper spun driers can be used in all hermetic and open compressor refrigeration systems. This includes commercial and domestic refrigerators, freezers and air conditioners up to 2.0 HP and driers are hermetically sealed with extended ends.

Part Code	Outlet	Inlet	Diameter	Length	Desiccant R12	Tonnage	Order Multiple
DX-3	1/4" (6mm)	1/4" (6mm)	3/4" (19mm)	7.11/16" (195mm)	10	1/2 (1.75kW)	1
DX-4	Multiple	1/4" (6mm)	1" (25mm)	9" (228mm)	18	1.1/2 (5kW)	1
DXA-5	1/4" (6mm)	1/4" (6mm)	1" (25mm)	9.1/4" (235mm)	20	1.1/2 (5kW)	1

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Partners

Refrigerant ID Labels

Pump House offer a range of refrigerant and oil identification labels in packs of 10, including R410a R407c and R404a. Please contact the Sales Office with your requirements.

Partners

E-Lite Plastic Equipment Pads

E-Lites rugged design provides uniform and generous ribbing for optimum ground support without inserts. The result is a pad that is lightweight but not too light. A subtle texture prevents unit slide and presents a classic appearance, which is enhanced by rounded corners and a concrete grey colour side slip. Each E-Lite is moulded with a size label and a symbol representing the amount of recycled material used.

Part Code	Size (inches)	Size (mm)	Pad Weight
EL2424-2	24" x 24" x 2"	600mm x 600mm x 51mm	2.5kg
EL2436-2	24" x 36" x 2"	600mm x 900mm x 51mm	5kg
EL3232-2	32" x 32" x 2"	800mm x 800mm x 51mm	4.5kg

Easy~Fit   Fixings   Flexi   Install +   **Partners**   PH Family   PH Motors   Portable   Service +   Squeezy

Line Taps

MAC – The Ultimate In Line Piercing Valve

QTM-1

Install valve – connect charging hose – service. That's all there is to it with a MAC line piercing valve. MAC valves feature a uniport single connection for piercing and servicing. Sealed with refrigerant resistant 'O' rings, the needle automatically back seats after servicing to leave the line free of residue.

Part Code	Description	Pack Quantity
QTM-1	Line Piercing Valve – 6.35mm / 8mm and 9.5mm OD	1
QTM-2	Line Piercing Valve – 13mm / 16mm OD Tube	1
QTM-3	Line Piercing Valve – 4.75mm / 6.4 OD Tube	1

Line Tap and Swivel Valves

DTL-4G

The quick, safe and easy option to charge, discharge and test a line. Simply clamp on the DLT valve, attach the DCV-1G control valve and pierce the line. The valve can swivel to any position and can also be removed and re-used. Available in four sizes from 4.8mm OD tube size to 9.5mm.

Part Code	Description	Pack Quantity
DLT-3G	Line Tap Valve – 4.75mm OD Tube	1
DLT-4G	Line Tap Valve – 6.35mm OD Tube	1
DLT-5G	Line Tap Valve – 8mm OD Tube	1
DLT-6G	Line Tap Valve – 9.5mm OD Tube	1
DCV-1G	Valve for DLT Line Taps	1

Quick-Tap

QT-2

Features a valve core in the 1/4" male port. Simply pierce the line and back seat the needle. The flow will start when the depressor type charging hose is connected.

Part Code	Description	Pack Quantity
QT-1	Quick Tap – 6.4mm / 8mm / 9.5mm OD Tube	1
QT-2	Quick Tap – 13mm / 16mm OD Tube	1

Quick-Tap 2

QTH-2

Identical to the quick tap except that a nylon handle replaces the hex wrench and Phillips head screws are used.

Part Code	Description	Pack Quantity
QTH-1	Quick Tap 2 – 6.4mm / 8mm / 9.5mm OD Tube	1
QTH-2	Quick Tap 2– 13mm / 16mm OD Tube	1

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Insta-Tap Refrigeration Recovery Tool

QT-100

The fastest, easiest way to evacuate refrigerant before disposal of a unit. Quick-release tool that snaps onto the refrigerant line for full and immediate flow. Punctures a large hole for maximum flow recovery unit. One tool fits all sizes from 4.76mm to 22.2mm OD hard tubing.

Part Code	Description	Pack Quantity
QT-100	Quick Tap 2 – 6.35mm / 8mm and 9.5mm OD Tube Size	1
QT-100N	Replacement Hardened Steel Needle and Gasket	1
QT-100G	Replacement Gasket Only	3

Core Storer

All steel valve core remover and storage container. Completely knurled for easier grip eliminating slippage when used with oily or greasy hands. The core storer features a compartment for storing extra valve cores. Four replacement cores are included with each tool.

Part Code	Description	Pack Quantity
VCR-1	Core Removal and Storer	1

Core Removal Tool

Save time and money with this easy-to-use core removal tool. The VCRT-1 is designed to remove and replace leaking valve cores without losing the refrigerant charge. Also allows for quicker recovery and recharging systems by removing the restriction of the valve core. Connects to any 1/4" male flare fitting.

Part Code	Description	Pack Quantity
VCRT-1	Core Removal Tool	1

RC-1 Insta-Charge

The perfect tool for charging liquid refrigerant into a system through the low side without damaging the compressor. The Insta-Charge converts liquid refrigerant to a saturated vapour for fast entry and eliminates the need to heat the cylinder. Also makes the adding of tracer dyes easy.

Part Code	Description	Pack Quantity
RC-1	Insta-Charge	1

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Cork Insulation Tape

Adheres firmly to all metals and is used on hot or cold pipes to prevent heat loss and condensation drips.

Part Code	Description	Pack Quantity	Suitable for Use on...
6-330	Cork Insulation Tape – Black 1/8" x 2" x 30' Roll	1	Insulation of hot and cold pipes to prevent condensation

Foam Insulation Tape

A superior self-adhesive foam tape that can be used on hot or cold pipes to prevent heat loss and condensation drips. Easily cut and moulded, it fits well around valves and fittings.

Part Code	Description	Pack Quantity	Suitable for Use on...
6-9718	Foam Insulation Tape – Black 1/8" x 2" x 30' Roll	1	Insulation of hot and cold pipes, valves and fittings to prevent condensation

Aluminium Foil Tape

An easy-to-handle aluminium tape that prevents heating and cooling losses and blocks odours and moisture. Has a 3 to 5 year shelf life and a working temperature range of -35°F to 260°F (-37°C to 127°C).

Part Code	Description	Pack Quantity	Suitable for Use on...
640-AF-2	Aluminium Foil Tape – 2" x 50 Yards	1	Heating and Cooling systems to prevent heat losses on HVAC and refrigeration systems

Abrasive Cloth

A high quality aluminium oxide 120 grit abrasive cloth that can be used wet or dry to thoroughly clean steel and copper tubing.

Part Code	Description	Pack Quantity	Suitable for Use on...
SC-10	Abrasive Cloth – 120 Grit – 1.1/2" x 10 Yards	1	Cleaning copper and steel tubing

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Grip-Cut Cloth

A 180 grit open mesh sand screen cloth with aluminium oxide bonding that is 100% waterproof. Can be used by hand or with portable tools and is most effective where clogging would be a problem such as soft materials.

Part Code	Description	Pack Quantity	Suitable for Use on...
SCM-5	Grit-Cut Open Mesh Sand Screen Cloth – 1.1/2" x 5 Yards	1	Dry or wet sanding of pipework and other components

WypAll Plus Cloths

A heavy duty towel that absorbs grease, oil, water and solvents from floors, hands, parts, tools and machinery. Comes in a convenient pop-up box of 100 towels.

Part Code	Description	Pack Quantity	Suitable for Use on...
5-05790	WypAll Plus Clean Up Towels – White – Box of 100	1	Cleaning of floors, hands, parts, tools and machinery etc.

Braze Barrier Mats

Designed to withstand temperatures up to 3000°F (1600°C), Braze Barrier mats will protect walls, floors, pipework, equipment, components and adjacent surfaces from torch flames when soldering, welding and brazing.

Containing no asbestos, the mats have taped and sewn edges with a grommet at each corner and are resistant to many chemicals and acids. The 16500 is 18" square, plain and the 16510 is 18" square and has a keyhole cut-out for draping over pipework etc.,

Part Code	Description	Pack Quantity	Suitable for Use on...
16500	Plain Braze Barrier Mat – 18" x 18"	1	Prevent heat damage when brazing, welding and soldering
16510	Keyhole Braze Barrier Mat – 18" x 18"	1	Prevent heat damage when brazing, welding and soldering

Fixings

Meet the Team...

Jon Boycott
Product Manager

Tom Fitzsimons
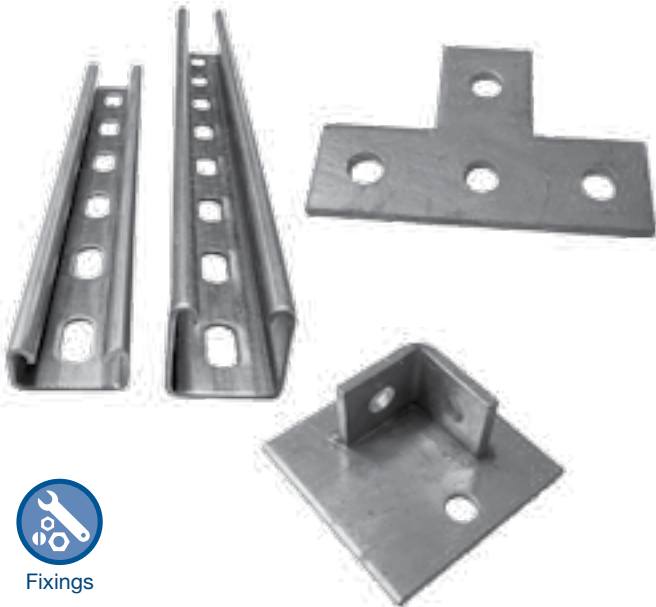Sales and Product Manager

Ryan Foote
Sales Representative

Jodie Watson
Sales Representative

Section 4

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NEW & EXCLUSIVE

Fixings

Fixings

Channel and Channel Accessories

Page 108-109

Channel is a support system manufactured in steel. It is designed to aid the installation and support of many items including electrical cables, air conditioning units, ductwork and more.

Cable and Basket Tray

Page 110-111

Cable and basket tray is widely used throughout many installations of all kinds of equipment. This can be heating and ventilation, air conditioning or electrical. It is also widely used to support cables, pipes and trays.

You'll be going nuts about our fixings range!

We have produced two starter kits to help you and your customers become familiar with what is available within the New Pump House Fixings range. M8 Option and M10 Option are available - please enquire.

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Channel and Channel Accessories

Channel and its range of accessories make up a support system which is designed to aid the installation and supports of many items including air conditioning, ductwork, electrical cables, drains and more.

Channel Slotted Strut

Beam G Clamp

Channel Base Plate Two Way

Channel Internal Angle 45 Degree

Part Code	Description
X-CH4121-1.5-3M	Channel 41mm x 21mm x 1.5mm x 3 metres
X-CH4121-2.5-3M	Channel 41mm x 21mm x 2.5mm x 3 metres
X-CH4141-1.5-3M	Channel 41mm x 41mm x 1.5mm x 3 metres
X-CH4141-2.5-3M	Channel 41mm x 41mm x 2.5mm x 3 metres

Part Code	Description
X-BGC-M6	Beam G Clamp – M6
X-BGC-M8	Beam G Clamp – M8
X-BGC-M10	Beam G Clamp – M10
X-BGC-M12	Beam G Clamp – M12

Part Code	Description
X-BP810	Back Plate M8 /M10
X-CB90-1H1H	90 Degree Bracket – 1 Hole / 1 Hole
X-CB90-1H2H	90 Degree Bracket – 1 Hole / 2 Hole
X-CB90-2H2H	90 Degree Bracket – 2 Hole / 2 Hole
X-CBC-1	Channel Beam Clamp – Type 1
X-CBC-2	Channel Beam Clamp – Type 2
X-CBC-3	Channel Beam Clamp – Type 3
X-CBC-4	Channel Beam Clamp – Type 4
X-CBC-5	Channel Beam Clamp – Type 5
X-CBC-6	Channel Beam Clamp – Type 6
X-CBU-4141	Channel U Bracket – 41mm x 41mm
X-CH-4-IS	Channel 4 Way Intersection
X-CH-A	Channel Offset – 45 Degree
X-CHBC-3M	Channel Black Capping x 3 metres
X-CHBP1W-4141	Channel Base Plate One Way – 41mm x 41mm
X-CHBP2W-4141	Channel Base Plate Two Way – 41mm x 41mm
X-CH-IA-45	Channel Internal Angle 45 Degree
X-CH-IA-45135	Channel Internal Angle 45 Degree 135
X-CHWF-1	Channel Wing Fitting – Type 1
X-CHWF-2	Channel Wing Fitting – Type 2
X-CHWF-3	Channel Wing Fitting – Type 3

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Window Bracket

Flat Plate – 4 Hole

T Bracket – 4 Hole

Plastic End Caps

Part Code	Description
X-CHWF-4	Channel Wing Fitting – Type 4
X-CHZB-4121	Channel Z Bracket – 41mm x 21mm
X-CHZB-4141	Channel Z Bracket – 41mm x 41mm
X-CWB-4121	Window Bracket 41mm x 21mm
X-CWB-4141	Window Bracket 41mm x 41mm
X-FP2H	Flat Plate – 2 Hole
X-FP3H	Flat Plate – 3 Hole
X-FP4H	Flat Plate – 4 Hole
X-FP5H	Flat Plate – 5 Hole
X-PC	Purling Clip – 100pk – Z10 Beam Clamp
X-TBR4H	T Bracket – 4 Hole
X-CHCB-4121	Plastic End Caps – 41mm x 21mm Black – Box of 100
X-CHCB-4141	Plastic End Caps – 41mm x 41mm Black – Box of 100
X-CHCW-4121	Plastic End Caps – 41mm x 21mm White – Box of 100
X-CHCW-4141	Plastic End Caps – 41mm x 41mm White – Box of 100
X-CBCB-4121-B6	Plastic End Caps – 41mm x 21mm Black – Bag of 6
X-CHCB-4141-B6	Plastic End Caps – 41mm x 41mm Black – Bag of 6
X-CHCW-4121-B6	Plastic End Caps – 41mm x 21mm White – Bag of 6
X-CHCW-4141-B6	Plastic End Caps – 41mm x 41mm White– Bag of 6
X-CEC4H-4121	Channel 4 Hole External 41mm x 21mm Connector
X-CEC4H-4141	Channel 4 Hole External 41mm x 41mm Connector
X-CIC4H-4121	Channel 4 Hole Internal 41mm x 21mm Connector
X-CIC4H-4141	Channel 4 Hole Internal 41mm x 41mm Connector

Cable and Basket Tray

Fixings

Cable and basket tray is widely used in many installations of all kinds of equipment. This may be heating and vent, air conditioning and electrical. It can be used to support cables, pipes and drains.

Cable Tray

Part Code	Description
X-CTMD-PG-75-3M	Cable Tray Medium Duty – 75mm Pre-Galv. x 3 metres
X-CTMD-PG-100-3M	Cable Tray Medium Duty – 100mm Pre-Galv. x 3 metres
X-CTMD-PG-150-3M	Cable Tray Medium Duty – 150mm Pre-Galv. x 3 metres
X-CTMD-PG-225-3M	Cable Tray Medium Duty – 225mm Pre-Galv. x 3 metres
X-CTMD-PG-300-3M	Cable Tray Medium Duty – 300mm Pre-Galv. x 3 metres
X-CTMD-PG-450-3M	Cable Tray Medium Duty – 450mm Pre-Galv. x 3 metres
X-CTMD-PG-600-3M	Cable Tray Medium Duty – 600mm Pre-Galv. x 3 metres

Cable Tray Flat Bends

45 Degree

Part Code	Description
X-CTMD-B-75	Cable Tray Flat Bend – 75mm 90 Degree
X-CTMD-B-100	Cable Tray Flat Bend – 100mm 90 Degree
X-CTMD-B-150	Cable Tray Flat Bend – 150mm 90 Degree
X-CTMD-B-225	Cable Tray Flat Bend – 225mm 90 Degree
X-CTMD-B-300	Cable Tray Flat Bend – 300mm 90 Degree
X-CTMD-B-450	Cable Tray Flat Bend – 450mm 90 Degree
X-CTMD-FB-75	Cable Tray Flat Bend – 75mm 45 Degree
X-CTMD-FB-100	Cable Tray Flat Bend – 100mm 45 Degree
X-CTMD-FB-150	Cable Tray Flat Bend – 150mm 45 Degree
X-CTMD-FB-225	Cable Tray Flat Bend – 225mm 45 Degree
X-CTMD-FB-300	Cable Tray Flat Bend – 300mm 45 Degree
X-CTMD-FB-450	Cable Tray Flat Bend – 450mm 45 Degree

Cable Tray Tees

Part Code	Description
X-CTMD-TP-75	Cable Tray Tee – 75mm
X-CTMD-TP-100	Cable Tray Tee – 100mm
X-CTMD-TP-150	Cable Tray Tee – 150mm
X-CTMD-TP-225	Cable Tray Tee – 225mm
X-CTMD-TP-300	Cable Tray Tee – 300mm
X-CTMD-TP-450	Cable Tray Tee – 450mm

Cable Tray Intersection

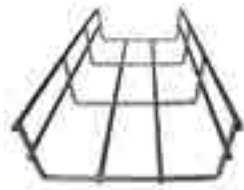| Part Code	Description
X-CTMD-IS-75	Cable Tray Intersection – 75mm
X-CTMD-IS-100	Cable Tray Intersection – 100mm
X-CTMD-IS-150	Cable Tray Intersection – 150mm
X-CTMD-IS-225	Cable Tray Intersection – 225mm
X-CTMD-IS-300	Cable Tray Intersection – 300mm
X-CTMD-IS-450	Cable Tray Intersection – 450mm

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Cable Tray Hanger

Part Code	Description
X-CTCMD-PG	Tray Coupler – Medium Duty Pre-Galv. – Pair
X-CTH-PG-50	Cable Tray Hanger – Pre-Galv. – 50mm
X-CTH-PG-75	Cable Tray Hanger – Pre-Galv. – 75mm
X-CTH-PG-100	Cable Tray Hanger – Pre-Galv. – 100mm
X-CTH-PG-150	Cable Tray Hanger – Pre-Galv. – 150mm
X-CTH-PG-225	Cable Tray Hanger – Pre-Galv. – 225mm
X-CTH-PG-300	Cable Tray Hanger – Pre-Galv. – 300mm

Cable Tray Stand Off Bracket

Part Code	Description
X-CTMD-SOB-100	Cable Tray Stand Off Bracket – Medium Duty – 100mm
X-CTMD-SOB-150	Cable Tray Stand Off Bracket – Medium Duty – 150mm
X-CTMD-SOB-225	Cable Tray Stand Off Bracket – Medium Duty – 225mm
X-CTMD-SOB-300	Cable Tray Stand Off Bracket – Medium Duty – 300mm
X-CTMD-SOB-450	Cable Tray Stand Off Bracket – Medium Duty – 450mm

Basket Tray

Part Code	Description
X-BT-60	Basket Tray 60mm x 60mm x 3mm
X-BT-100	Basket Tray 100mm x 60mm x 3mm
X-BT-150	Basket Tray 150mm x 60mm x 3mm
X-BT-200	Basket Tray 200mm x 60mm x 3mm
X-BT-300	Basket Tray 300mm x 60mm x 3mm
X-BT-450	Basket Tray 450mm x 60mm x 3mm

Basket Tray Accessories

Central Support Hanger

Coupler

Suspension Hanger

Part Code	Description
X-BTC	Basket Tray Coupler – Pair
X-BT-CH	Basket Tray – Central Support Hanger – Pair
X-BT-HDC	Basket Tray – Hold Down Clamp
X-BTJ	Basket Tray – Joint Kit – 4-Part Kit
X-BT-SH	Basket Tray – Suspension Hanger

Cable Tray are also available in light, heavy and hot dipped galvanised versions.

Fasteners – Washers

Penny Washers

Part Code	Description
X-WA6-25-B25	Penny Washer M6 x 25mm – Bag of 25
X-WA6-25-B100	Penny Washer M6 x 25mm – Box of 100
X-WA8-25-B25	Penny Washer M8 x 25mm – Bag of 25
X-WA8-25-B100	Penny Washer M8 x 25mm – Box of 100
X-WA10-25-B25	Penny Washer M10 x 25mm – Bag of 25
X-WA10-25-B100	Penny Washer M10 x 25mm – Box of 100
X-WA6-40-B100	Penny Washer M6 x 40mm – Box of 100
X-WA8-40-B100	Penny Washer M8 x 40mm – Box of 100
X-WA10-40-B100	Penny Washer M10 x 40mm – Box of 100
X-WA12-40-B100	Penny Washer M12 x 40mm – Box of 100

Flat/Form A Washers

Part Code	Description
X-WA-M6-B100	Flat / Form A Washer M6 – Box of 100
X-WA-M8-B100	Flat / Form A Washer M8 – Box of 100
X-WA-M10-B100	Flat / Form A Washer M10 – Box of 100
X-WA-M12-B100	Flat / Form A Washer M12 – Box of 100

Shake Proof Washers

Part Code	Description
X-SPW-M6-B100	Shake Proof Washer M6 – Box of 100
X-SPW-M8-B100	Shake Proof Washer M8 – Box of 100
X-SPW-M10-B100	Shake Proof Washer M10 – Box of 100
X-SPW-M12-B100	Shake Proof Washer M12 – Box of 100

Square Plate Washers

Part Code	Description
X-SQPW-M6-B6	Square Plate Washer – M6 – Bag of 6
X-SQPW-M6-B100	Square Plate Washer – M6 – Box of 100
X-SQPW-M8-B6	Square Plate Washer – M8 – Bag of 6
X-SQPW-M8-B100	Square Plate Washer – M8 – Box of 100
X-SQPW-M10-B6	Square Plate Washer – M10 – Bag of 6
X-SQPW-M10-B100	Square Plate Washer – M10 – Box of 100
X-SQPW-M12-B6	Square Plate Washer – M12 – Bag of 6
X-SQPW-M12-B100	Square Plate Washer – M12 – Box of 100

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Fasteners – Nuts

Channel Nuts Long Spring

Part Code	Description
X-CNLS-M6-B6	Channel Nut Long Spring M6 – Bag of 6
X-CNLS-M6-B100	Channel Nut Long Spring M6 – Box of 100
X-CNLS-M8-B6	Channel Nut Long Spring M8 – Bag of 6
X-CNLS-M8-B100	Channel Nut Long Spring M8 – Box of 100
X-CNLS-M10-B6	Channel Nut Long Spring M10 – Bag of 6
X-CNLS-M10-B100	Channel Nut Long Spring M10 – Box of 100
X-CNLS-M12-B6	Channel Nut Long Spring M12 – Bag of 6
X-CNLS-M12-B100	Channel Nut Long Spring M12 – Box of 100

Channel Nut Plain

Part Code	Description
X-CN-M6-B8	Channel Nut Plain M6 – Bag of 8
X-CN-M6-B100	Channel Nut Plain M6 – Box of 100
X-CN-M8-B8	Channel Nut Plain M8 – Bag of 8
X-CN-M8-B100	Channel Nut Plain M8 – Box of 100
X-CN-M10-B8	Channel Nut Plain M10 – Bag of 8
X-CN-M10-B100	Channel Nut Plain M10 – Box of 100
X-CN-M12-B8	Channel Nut Plain M12 – Bag of 8
X-CN-M12-B100	Channel Nut Plain M12 – Box of 100

Hexagonal Nuts

Part Code	Description
X-HN-M6-B25	Hex Nut M6 – Bag of 25
X-HN-M6-B200	Hex Nut M6 – Box of 200
X-HN-M8-B25	Hex Nut M8 – Bag of 25
X-HN-M8-B200	Hex Nut M8 – Box of 200
X-HN-M10-B25	Hex Nut M10 – Bag of 25
X-HN-M10-B200	Hex Nut M10 – Box of 200
X-HN-M12-B25	Hex Nut M12 – Bag of 25
X-HN-M12-B200	Hex Nut M12 – Box of 200
X-HNC-M8-B10	Hex Nut Cover M8 – Bag of 10
X-HNC-M10-B10	Hex Nut Cover M10 – Bag of 10

Fasteners – Nuts
...continued

Fixings

Wedge Nuts

Part Code	Description
X-WN-M6-B100	Wedge Nut M6 – Box of 100
X-WN-M8-B100	Wedge Nut M8 – Box of 100
X-WN-M10-B100	Wedge Nut M10 – Box of 100

Roofing Nuts and Bolts

Part Code	Description
X-RBN-M6-12-B20	Roofing Bolt and Nut – M6 x 12mm – Bag of 20
X-RBN-M6-12-B100	Roofing Bolt and Nut – M6 x 12mm – Box of 100
X-RBN-M6-16-B20	Roofing Bolt and Nut – M6 x 16mm – Bag of 20
X-RBN-M6-16-B100	Roofing Bolt and Nut – M6 x 16mm – Box of 100
X-RBN-M6-20-B20	Roofing Bolt and Nut – M6 x 20mm – Bag of 20
X-RBN-M6-20-B100	Roofing Bolt and Nut – M6 x 20mm – Box of 100
X-RBN-M6-30-B20	Roofing Bolt and Nut – M6 x 30mm – Bag of 20
X-RBN-M6-30-B100	Roofing Bolt and Nut – M6 x 30mm – Box of 100

Stud Connectors

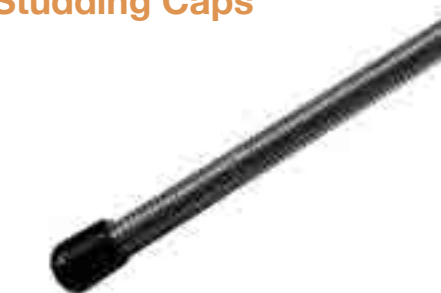| Part Code	Description
X-SCON-M8-B4	Stud Connector – M8 – Bag of 4
X-SCON-M8	Stud Connector – M8 – Box of 100
X-SCON-M10-B4	Stud Connector – M10 – Bag of 4
X-SCON-M10	Stud Connector – M10 – Box of 100

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Fasteners – Screws

Threaded Rod

Part Code	Description
X-TR-M8-3M	Threaded Rod – M8 x 3 metres
X-TR-M10-3M	Threaded Rod – M10 x 3 metres
X-TR-M12-3M	Threaded Rod – M12 x 3 metres
X-TR-M6-3M	Threaded Rod – M6 x 3 metres

Studding Caps

Part Code	Description
X-SCA-M6-B30	Studding Cap – M6 – Bag of 30
X-SCA-M6	Studding Cap – M6 – Box of 100
X-SCA-M8-B30	Studding Cap – M8 – Bag of 30
X-SCA-M8	Studding Cap – M8 – Box of 100
X-SCA-M10-B30	Studding Cap – M10 – Bag of 30
X-SCA-M10	Studding Cap – M10 – Box of 100
X-SCA-M12-B30	Studding Cap – M12 – Bag of 30
X-SCA-M12	Studding Cap – M12 – Box of 100

Set Screws

Part Code	Description
X-SS6-30-B10	Set Screw / Hex Set – M6 x 30mm – Bag of 10
X-SS6-30-B100	Set Screw / Hex Set – M6 x 30mm – Box of 100
X-SS8-30-B10	Set Screw / Hex Set – M8 x 30mm – Bag of 10
X-SS8-30-B100	Set Screw / Hex Set – M8 x 30mm – Box of 100
X-SS8-50-B10	Set Screw / Hex Set – M8 x 50mm – Bag of 10
X-SS8-50-B100	Set Screw / Hex Set – M8 x 50mm– Box of 100
X-SS10-30-B10	Set Screw / Hex Set – M10 x 30mm – Bag of 10
X-SS10-30-B100	Set Screw / Hex Set – M10 x 30mm – Box of 100
X-SS10-50-B10	Set Screw / Hex Set – M10 x 50mm – Bag of 10
X-SS10-50-B100	Set Screw / Hex Set – M10 x 50mm – Box of 100
X-SS12-25-B10	Set Screw / Hex Set – M12 x 25mm – Bag of 10
X-SS12-25-B100	Set Screw / Hex Set – M12 x 25mm – Box of 100
X-SS12-30-B10	Set Screw / Hex Set – M12 x 30mm – Bag of 10
X-SS12-30-B100	Set Screw / Hex Set – M12 x 30mm – Box of 100

Fasteners – Screws

...continued

Coach Screws

Part Code	Description
X-CS-M830-B5	Coach Screw / Hex – M8 x 30mm – Bag of 5
X-CS-M830-B100	Coach Screw / Hex – M8 x 30mm – Box of 100
X-CS-M850-B5	Coach Screw / Hex – M8 x 50mm – Bag of 5
X-CS-M850-B100	Coach Screw / Hex – M8 x 50mm – Box of 100
X-CS-M1030-B5	Coach Screw / Hex – M10 x 30mm – Bag of 5
X-CS-M1030-B100	Coach Screw / Hex – M10 x 30mm – Box of 100
X-CS-M1050-B5	Coach Screw / Hex – M10 x 50mm – Bag of 5
X-CS-M1050-B100	Coach Screw / Hex – M10 x 50mm – Box of 100

Teks Screws

Twin Fast Screw

Part Code	Description
X-PBS-15MM	Plasterboard Screw 15mm – Box of 100
X-TEK5.5-25-B100	TEKS Screw 5.5 x 25mm – Box of 100
X-TEK5.5-38-B100	TEKS Screw 5.5 x 38mm – Box of 100
X-TF8-1	Twin Fast Screw 8 – 1"
X-TF8-1-1/2	Twin Fast Screw 8 – 1-1/2"
X-TF8-2	Twin Fast Screw 8 – 2"
X-TF10-1	Twin Fast Screw 10 – 1"
X-TF10-1-1/2	Twin Fast Screw 10 – 1-1/2"
X-TF10-2	Twin Fast Screw 8 – 2"
X-TF10-2-1/2	Twin Fast Screw 8 – 2-1/2"

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Fasteners – Anchor Bolts

Anchor Bolt

Part Code	Description
X-AB-M10-B4	Anchor Bolt – M10 – Bag of 4
X-AB-M10-B100	Anchor Bolt – M10 – Box of 100

Drop In Anchor

Part Code	Description
X-DIA-M8-B10	Drop In Anchor – M8 – Bag of 10
X-DIA-M8-B100	Drop In Anchor – M8 – Box of 100
X-DIA-M10-B10	Drop In Anchor – M10 – Bag of 10
X-DIA-M10-B50	Drop In Anchor – M10 – Box of 50

Drop In Anchor Lipped

Part Code	Description
X-DIAL-M8-B100	Drop In Anchor – Lipped M8 – Box of 100
X-DIAL-M10-B50	Drop In Anchor – Lipped M10 – Box of 50
X-DIA-ST	Drop In Anchor – Setting Tool

Loose Bolt Shield Anchor

Part Code	Description
X-LBSA-0810L	Loose Bolt Shield Anchor – 0810L – Box of 50
X-LBSA-1025L	Loose Bolt Shield Anchor – 1025L – Box of 50

Eye Bolts

Part Code	Description
X-EB-M8-B25	Eye Bolt – M8 x 80mm – Box of 25
X-EB-M10-B10	Eye Bolt – M10 x 80mm – Box of 10

Socket Bolts

Part Code	Description
X-SB810-B4	Socket Bolts M8-M10 – Bag of 4
X-SB810-B100	Socket Bolts M8-M10 – Box of 100

Fasteners – Plus

Fused Spur

Fused Spur with Neon – Metal Clad

Fused Spur with Neon – Plastic

Part Code	Description
X-FSBBMC	Fused Spur with Back Box – Metal Clad
X-FSNBBMC	Fused Spur with Back Box and Neon – Metal Clad
X-FSNBBSM-25	Fused Spur with Back Box and Neon – 25mm Plastic Back Box
X-FSNBBSM-32	Fused Spur with Back Box and Neon – 32mm Plastic Back Box

PVC Pipes

PVC-U – Elbow 3/4" 90 Degree

PVC-U – Elbow 3/4" Maclaw Clip

PVC-U – 3/4" T Piece

Part Code	Description
X-PVCU-3/4E-45	PVC-U – Elbow 3/4" 45 Degree
X-PVCU-3/4E-90	PVC-U – Elbow 3/4" 90 Degree
X-PVCU-3/4-MAC	PVC-U – 3/4" Maclow Clips
X-PVCU-3/4P-3M	PVC-U – Pipe 3/4" 3m Length
X-PVCU-3/4-R	PVC-U – Reducer 1" – 3/4"
X-PVCU-3/4-SOC	PVC-U – 3/4" Socket
X-PVCU-3/4-TP	PVC-U – 3/4" T Piece
X-PVCU-SOBSC-110MM	PVC U – Strap-on BOSS 110mm Side Fastening (Inc. Rubber Bung)

Other sizes are available on request.

Solvent Cement

Part Code	Description
X-SOLCEM	Solvent Cement – 250ml

Wall Plugs

Part Code	Description
X-WPR-5MM	Wall Plug – 5mm – Red
X-WPB-7MM	Wall Plug – 7mm – Brown

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