Refcenter®

Built for better installations

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A/C INSTALLATION ACCESSORIES CATALOG

Refcenter®

Built for better installations

ABOUT US

Refcenter, a pioneering brand in the HVAC/R industry, has specialized in developing condensate pumps and refrigeration installation accessories for over 15 years. Today, Refcenter offers a wide range of products designed to deliver exceptional flexibility and reliability for installation engineers.

Our products feature innovative designs to enable a hassle-free, efficient, and dependable installation experience. Guided by a philosophy of user-centered design, Refcenter has become the preferred choice for HVAC/R installers seeking quality and efficiency in their workflow. Experience the Refcenter difference and elevate your installation standards with our trusted solutions.

Founded in 2003, Chinafore is a leading manufacturer of ventilation duct system and residential A/C installation solutions. We focus on technology-driven innovation and reliable, human-centered products, aiming to to help distributor partners, contractors and technicians simplify their work globally.

We believe innovation is the core driver of success. Our mission is to deliver products that not only meet but exceed the requirements of modern building, residential, and commercial applications. With a commitment to excellence in quality, reliability, and technological leadership, we remain at the forefront of the HVACR industry, driving its development.





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Pump Selector

		System Type							Performance Data								Installation Method			
		Cassette	Ductless Mini Split	Ducted Unit	Cooler/ Freezer	Humidifier	Dehumidifier	Boiler	Max Flow (L/H)	Max Head Lift (m)	Suction Lift (m)	Power(V)	Frequency(Hz)	Sound level @ 1m (dB)	Max. kW/Btu	Safety Shut-off	Inside Unit	Inside Trunking	Remotely	Below Unit
Tranquil	Tranquil - U		•						18	12	2	100-240	50-60	<17-19	16/54600			✔		
	Tranquil - S	•	•			•	•	•	40	20	2			<16-18	46/157000	Yes		✔		
	Tranquil - I		•						18	12				<17-19	16/54600					
	Tranquil - C		•								/			<17-19				✔		
	Tranquil - X		•					•	40	20				<16	46/157000					✔
	Tranquil - D	•	•			•	•							<19				✔		
	Tranquil - T	•	•	•	•	•	•	•	110 GPH	24 ft				<30	/				✔	
Mute	Mute Box-40	•	•			•	•	•	40	20	2			<20	46/157000			✔		
	Mute Box-20	•	•			•	•	•	20					<18	28/95550	Yes				
	Mute Slim		•						15	12				<19						
	Mute Corner-40		•						40					<20	46/157000			✔		
	Mute Corner-20		•						20					<18	28/95550					
	Mute Wedge-40		•					•	40	20	/			<20	46/157000					✔
	Mute Wedge-20		•					•	20					<18	28/95550					
	Mute Tank	•	•	•	•	•	•	•	40					<19	46/157000				✔	
Box	Slim Box		•						15	12	2	115/230	50/60	<21	16/54600	Yes		✔		
	Easy Box		•													No				
	Mini Box		•						10	15		100-240	50-60	<20	46/157000	Yes				
	Maxi Box	•	•			•	•	•	40	20										
	Heart Box-40		•					•			/									✔
	Heart Box-20		•					•	20					<18	28/95550					
	MPC-40		•	•			•		40		2			<20	46/157000			✔		
	MPC-20		•	•			•		20					<18	28/95550					
Tank	Tank-V	•	•	•	•	•	•	•	250-580 (65-150GPH)	4.6-7.3 (15ft - 24ft)	/	115/230	50/60	35-45	/	Yes			✔	
	Tank-L	•	•	•	•	•	•	•												
	Tank-X	•	•	•	•	•	•	•	450 (119GPH)	6.1 20ft				<35						
PC	PC-DC	•							70	1.2		12Vdc	/	<35	/	Yes/No	✔			
	PC-AC40	•							40	0.95		115/230	50/60	<30						
	PC-AC70	•							70	1.2			50/60	<35						

Refcenter®

Tranquil-U



CONDENSATE PUMP

- *Capacitive sensor*
- *Diagnostic LED*
- *Variable flow rate*
- *Flexible installation in both horizontal and vertical*

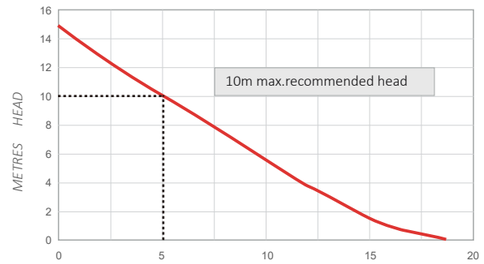
- Max. flow 18 L/h (4.8GPH)
- Sound level < 17-19 dB(A) @ 1M (3.3ft)
- Max. discharge head 12 M (39.4ft)

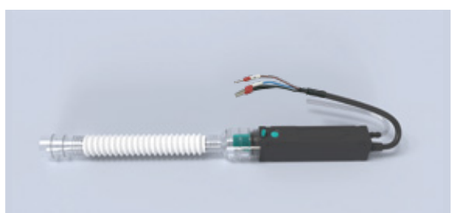
Designed to fit more installations with a single pump, the Tranquil-U supports both horizontal and vertical mounting, allowing one product to cover four common installation configurations. Combined with intelligent capacitive sensing and adaptive variable-speed operation, it delivers reliable condensate removal while simplifying inventory, installation, and maintenance.

> TECHNICAL DATA

- Power supply: 100-240V AC 50/60Hz <4W
- Max. flow: 18L/h (4.8GPH) , range from 12-18L/H (3.2-4.8GPH)
- Sound level: 17-19dB(A)@1M (3.3ft)
- Max. discharge head: 12 M (39.4ft)
- Max. suction lift: 2 M (6.6ft)
- Max. unit output: 16 kw / 54,600 Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 40℃
- Discharge tube: 6mmID
- Class: Ⅱ appliance
- Protection: Fully potted,IP-45
- L×W×H: 187mm × 29mm × 29mm
- 2 year warranty

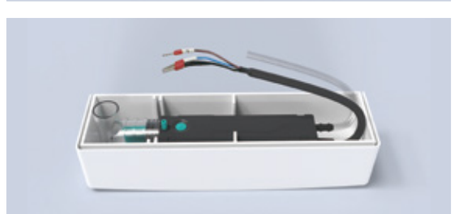
TYPICAL PERFORMANCE <













Tranquil-I



CONDENSATE PUMP

- *Capacitive sensor*
- *Variable flow rate*
- *Diagnostic LED*
- *Slim design for easy installation*
- *Built-in operation tracking*
- *Ultra-quiet operation*
- *Up to 16 kw/54,600 Btu/h*

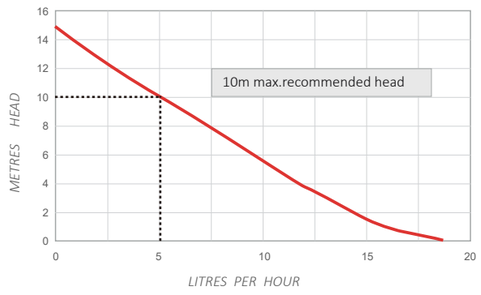
- Max. flow 18 L/h (4.8GPH)
- Sound level < 17-19 dB(A) @ 1M (3.3ft)
- Max. discharge head 12 M (39.4ft)

The Tranquil-I features a capacitive sensor for water detection, enhancing reliability over traditional float switches. Its soft-start mode minimizes startup noise and extends the lifespan of the pump and electronic components. A built-in counter tracks operating time and provides alarm notifications for optimal maintenance.

> TECHNICAL DATA

- Power supply: 100-240V AC 50/60Hz <4W
- Max. flow: 18L/h (4.8GPH) , range from 12-18L/H (3.2-4.8GPH)
- Sound level: 17-19dB(A)@1M (3.3ft)
- Max. discharge head: 12 M (39.4ft)
- Max. suction lift: 2 M (6.6ft)
- Max. unit output: 16 kw / 54,600 Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 40℃
- Discharge tube: 6mmID
- Class: Ⅱ appliance
- Protection: Fully potted,IP-45
- L×W×H: 187mm × 29mm × 29mm
- 2 year warranty

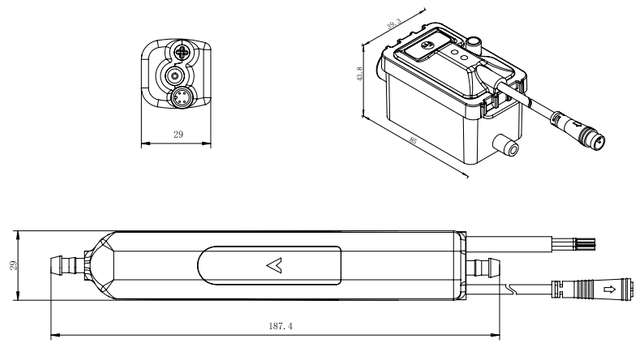
TYPICAL PERFORMANCE <



> IN THE BOX

1. Assembled Tranquil - I
2. Assembled inline resevoir
3. Plug connector
4. 150cm length of 6mm I/D vinyl tube
5. Silicone tube 15cm
6. Power cable
7. 1A fuse
8. Anti-siphon valve
9. Check valve
10. 3M tape 2x50mmx20mmx1mm
11. 3M tape 1x50mmx20mmx2.5mm
12. Nylon clamps 4x200mmx4mm

DIMENSION <



Tranquil-S



CONDENSATE PUMP

- *Capacitive sensor*
- *Variable flow rate*
- *Diagnostic LED*
- *Powerful performance*
- *Built-in operation tracking*
- *Ultra-quiet operation*
- *Up to 46 kw / 157,000 Btu/h*

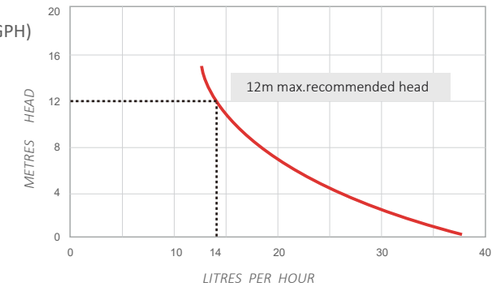
- Max. flow 40 L/h (10.6GPH)
- Sound level < 16-18 dB(A) @ 1M (3.3ft)
- Max. discharge head 20 M (65.6ft)

The Tranquil-S features a capacitive sensor for water detection, enhancing reliability over traditional float switches. Its soft-start mode minimizes startup noise and extends the lifespan of the pump and electronic components. A built-in counter tracks operating time and provides alarm notifications for optimal maintenance.

> TECHNICAL DATA

- Power supply: 100-240V AC 50/60Hz <4W
- Max. flow: 40 L/H (10.6GPH), range from 20-40L/H (5.3-10.6GPH)
- Sound level: 16-18dB(A)@1M (3.3ft)
- Max. discharge head: 20 M (65.6ft)
- Max. suction lift: 2 M (6.6ft)
- Max. unit output: 46 kw / 157,000 Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 40℃
- Discharge tube: 6mmID
- Class: Ⅱ appliance
- Protection: Fully potted, IP-45
- L×W×H: 185mm × 36mm × 34mm
- 3 year warranty

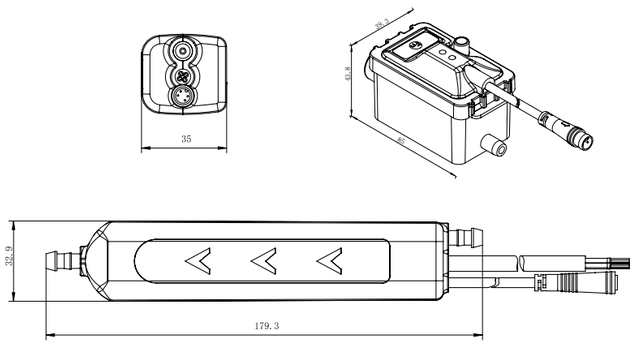
TYPICAL PERFORMANCE <



> IN THE BOX

1. Assembled Tranquil-S
2. Assembled inline resevoir
3. Plug connerector
4. 150cm length of 6mm I/D vinyl tube
5. Silicone tube 15cm
6. Power cable
7. 1A fuse
8. Anti-siphon valve
9. Check valve
10. 3M tape 2x50mmx20mmx1mm
11. 3M tape 1x50mmx20mmx2.5mm
12. Nylon clamps 4x200mmx4mm

DIMENSION <



Tranquil-X



RECOGNIZED COMPONENT
c ETL us
Intertek
5000206

CONDENSATE PUMP

- *Capacitive sensor*
- *Variable flow rate*
- *Diagnostic LED*
- *Quick and simple installation*
- *Built-in operation tracking*
- *Ultra-quiet operation*
- *Up to 46 kw / 157,000 Btu/h*

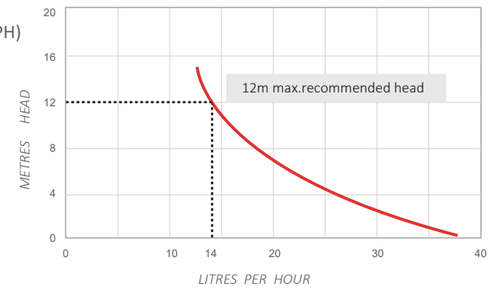
- Max. flow 40 L/h (10.6GPH)
- Sound level < 16 dB(A) @ 1M (3.3ft)
- Max. discharge head 20 M (65.6ft)

The Tranquil-x features a capacitive sensor for water detection, enhancing reliability over traditional float switches. Its soft-start mode minimizes startup noise and extends the lifespan of the pump and electronic components. A built-in counter tracks operating time and provides alarm notifications for optimal maintenance.

> TECHNICAL DATA

- Power supply: 100-240V AC 50/60Hz <4W
- Max. flow: 40L/h (10.6GPH), range from 20-40L/H (5.3-10.6GPH)
- Sound level: 16dB(A)@1M (3.3ft)
- Max. discharge head: 20 M (65.6ft)
- Max. suction lift: 2 M (6.6ft)
- Max. unit output: 46 kw / 157,000 Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 40℃
- Discharge tube: 6mmID
- Class: Ⅱ appliance
- Protection: Fully potted, IP-45
- L×W×H: 281mm × 55mm × 69mm
- 3 year warranty

TYPICAL PERFORMANCE <

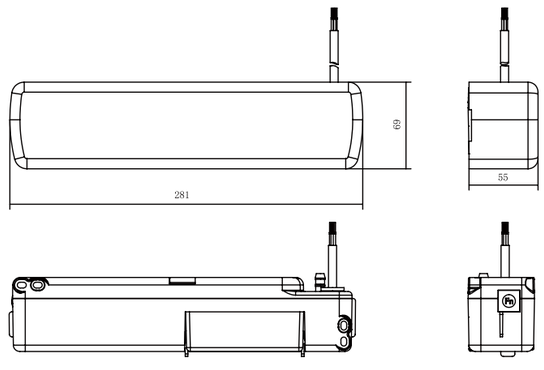


> IN THE BOX

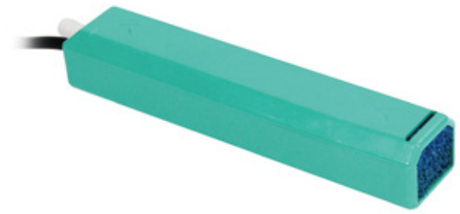


	1Afuse	× 1
	Installation screw	× 2
	Expansionplug	× 2
	Level gauge	× 1
	Connection clamp	× 1
	Nylon clamps 200mmx4mm	× 2
	Drilling schematic template	× 1
	Anti-siphon valve	× 1

DIMENSION <



Tranquil-D



RECOGNIZED COMPONENT
c ETL us
Intertek
5000206

CONDENSATE PUMP

- *Capacitive sensor*
- *Variable flow rate*
- *Diagnostic LED*
- *Submersible in Condensate Pans*
- *Built-in operation tracking*
- *Ultra-quiet operation*
- *Up to 46 kw / 157,000 Btu/h*

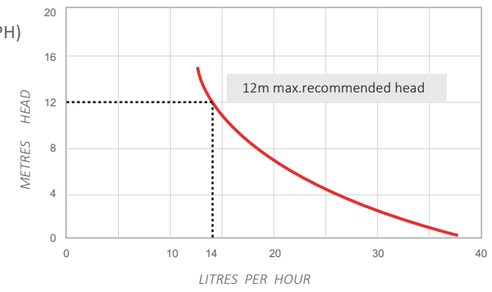
- Max. flow 40 L/h (10.6GPH)
- Sound level < 19 dB(A) @ 1M (3.3ft)
- Max. discharge head 20 M (65.6ft)

The Tranquil-D features a capacitive sensor for water detection, enhancing reliability over traditional float switches. Its soft-start mode minimizes startup noise and extends the lifespan of the pump and electronic components. Completely-sealed design with IP68 protection grade makes Tranquil-D submersible in condensate trays/pans, with high pumping capacity.

> TECHNICAL DATA

- Power supply: 100-240V AC 50/60Hz <4W
- Max. flow: 40L/h (10.6GPH), range from 20-40L/H (5.3-10.6GPH)
- Sound level: 19dB(A)@1M (3.3ft)
- Max. discharge head: 20 M (65.6ft)
- Max. suction lift: 2 M (6.6ft)
- Max. unit output: 46 kw / 157,000 Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 40℃
- Discharge tube: 6mmID
- Class: Ⅱ appliance
- Protection: IP68
- L×W×H: 176mm × 34mm × 41mm
- 3 year warranty

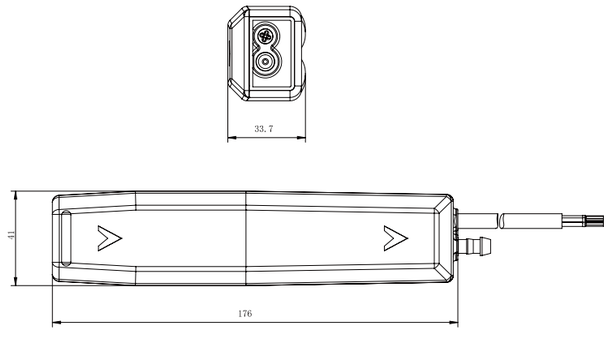
TYPICAL PERFORMANCE <



> IN THE BOX

1. Assembled Tranquil - D
2. 150cm length of 6mm I/D vinyl tube
3. Power cable
4. 1A fuse
5. Anti-siphon valve
6. Check valve
7. Nylon clamps 4x200mmx4mm

DIMENSION <



Tranquil-C



RECOGNIZED COMPONENT
c ETL us
Intertek
5000206

CONDENSATE PUMP

- *Capacitive sensor*
- *Variable flow rate*
- *Diagnostic LED*
- *Reset function*
- *Built-in operation tracking*
- *Installed in trunking elbow*
- *Up to 16 kw/54,600 Btu/h*

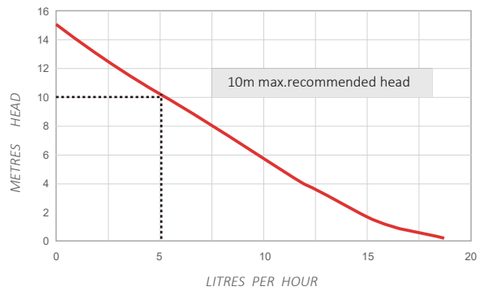
- Max. flow 18 L/h (4.8GPH)
- Sound level < 17-19 dB(A) @ 1M (3.3ft)
- Max. discharge head 12M (39.4ft)

The Tranquil-C uses a capacitive sensor for water detection, enhancing reliability over traditional float switches. Its soft-start mode minimizes startup noise and extends the lifespan of the pump and electronic components. A built-in counter tracks operating time and provides alarm notifications for optimal maintenance.

> TECHNICAL DATA

- Power supply: 100-240V AC 50/60Hz <4W
- Max. flow: 18 L/H (4.8GPH), range from 12-18L/H (3.2-4.8GPH)
- Sound level: 17-19dB(A)@1M (3.3ft)
- Max. discharge head: 12M (39.4ft)
- Max. suction lift: 2M (6.6ft)
- Max. unit output: 16kw / 54,600 Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 40℃
- Discharge tube: 6mmID
- Class: Ⅱ appliance
- Protection: Fully potted, IP-45
- L×W×H: 82.6mm × 47.8mm × 96.9mm
- 2 year warranty

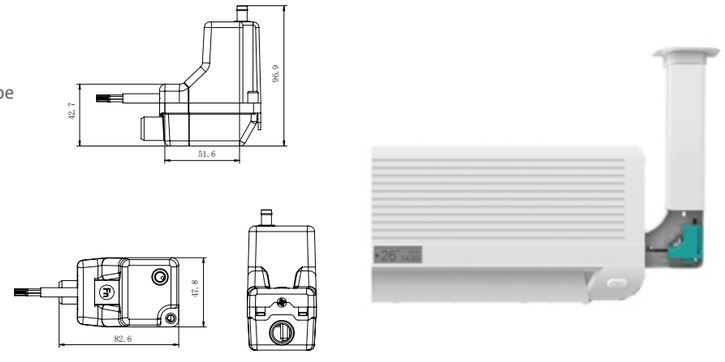
TYPICAL PERFORMANCE <



> IN THE BOX

1. Assembled Tranquil-C
2. breather hole 6mm od
3. Assembled Inline reservoir
4. 1.5m length of 6mm i/d vinyl tube
5. Inlet tube
6. Power Cable
7. Anti-siphon valve
8. 4 x 200mm x 4mm cable ties
9. Check valve
10. 1 A fuse
11. Line Set (As option)

DIMENSION <



Tranquil-T



RECOGNIZED COMPONENT
c ETL us
Intertek
5000206

CONDENSATE PUMP

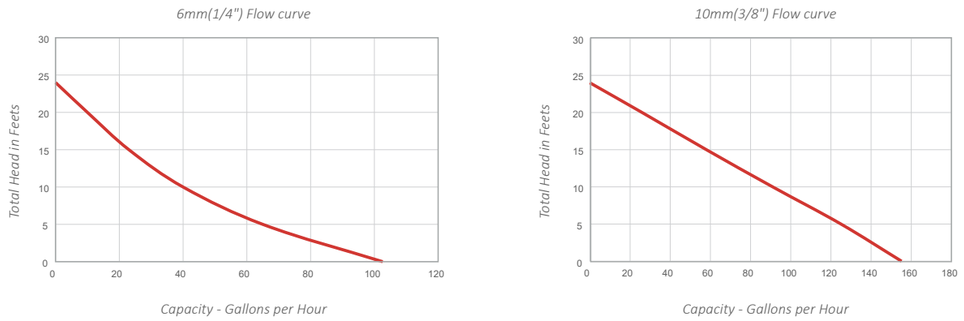
- *Automatic Optical-level Sensor Switch*
- *0.46 Gallon Rustproof, High Impact ABS Tank*
- *Discharge tube compatible with both 3/8'' & 1/4''*
- *Optional dual alarm system for enhanced safety and reliability.*
- *6-feet power cord*
- *4 inlets 1.1”*

- Max. flow 587 L/h (155GPH)
- Sound level < 30 dB(A) @ 1M (3.3ft)
- Max. discharge head 7.2M (24ft)

POWER PLUG OPTIONS:

■ No plug ■ Single plug (customer-specified) ■ Dual plugs (115 V / 230 V)

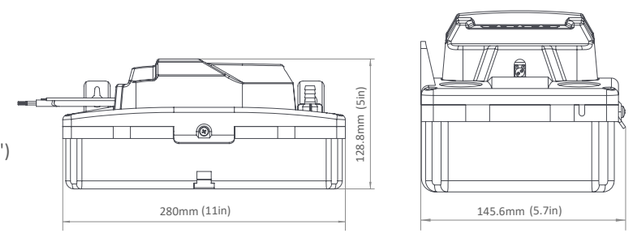
> TYPICAL PERFORMANCE



> TECHNICAL DATA

- Power supply: 100-240V AC 50/60Hz 50W
- Max. flow: 587 L/h (155GPH)
- Sound level: 30dB(A)@1M (3.3ft)
- Max. discharge head: 7.2M (24ft)
- Max. water temperature: 60℃
- Discharge tube: 10mm ID(1/4")/6mm ID(3/8")
- Class: Ⅱ appliance
- IP Protection: IP24
- 3 year warranty

DIMENSION <



MUTE WEDGE



RECOGNIZED COMPONENT
Intertek 5000206

CONDENSATE PUMP

- *Float Switch Detection*
- *High performance*
- *Simple and quick to install*
- *Anti-vibration*
- *Silent Operation*

Max. flow
20/40 L/h @ 0 head

Sound level
18/20 dB(A) @ 1M (3.3ft)

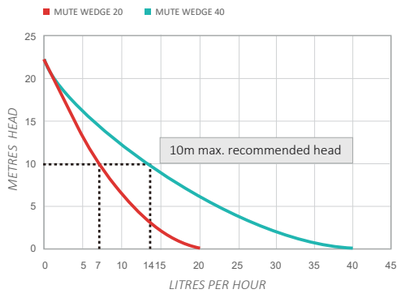
Max. discharge head
20M (65.6ft)

The sleek, compact design of the Mute series pumps makes them ideal for integration with mini-split and ducted HVAC systems. Operating via float switch mechanism, Mute series delivers exceptional condensate removal performance while maintaining whisper-quiet operation, ensuring optimal environmental comfort.

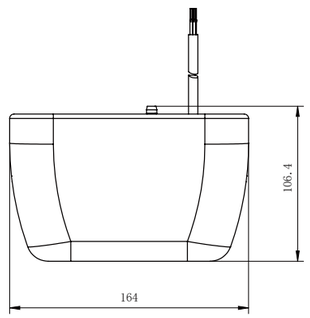
> TECHNICAL DATA

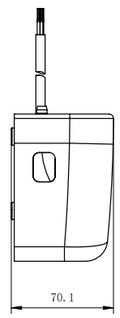
Model	MUTE WEDGE 20	MUTE WEDGE 40
Power supply	100-240V AC 50/60Hz	
Max. flow	20L/h (5.3GPH) @ 0 head	40L/h (10.6GPH) @ 0 head
Sound level	18 dB(A) @1M (3.3ft)	20dB(A) @1M (3.3ft)
Max. discharge head	20M (65.6ft)	
Water Storage	230ml	
Max. unit output	28kw / 95,550Btu/h	46kw / 157,000Btu/h
Safety switch	3A Normally closed	
Max. water temperature	70°C	
Discharge tube	6mmID	
Class	II appliance	
Rated	Continuous	
IP Protection	IPX5	
Fully potted	Yes	
L×W×H	164mm x 70mm x 106mm	
Warranty	2 year	

TYPICAL PERFORMANCE <



> DIMENSION





MUTE BOX



RECOGNIZED COMPONENT
Intertek 5000206

CONDENSATE PUMP

- *Float Switch Detection*
- *High performance*
- *Simple and quick to install*
- *Anti-vibration*
- *Silent Operation*

Max. flow
20/40 L/h @ 0 head

Sound level
18/20 dB(A) @ 1M (3.3ft)

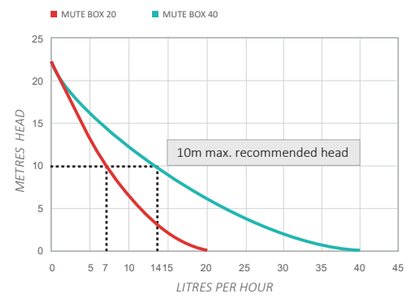
Max. discharge head
20M (65.6ft)

The sleek, compact design of the Mute series pumps makes them ideal for integration with mini-split and ducted HVAC systems. Operating via float switch mechanism, Mute series delivers exceptional condensate removal performance while maintaining whisper-quiet operation, ensuring optimal environmental comfort.

> TECHNICAL DATA

Model	MUTE BOX 20	MUTE BOX 40
Power supply	100-240V AC 50/60Hz	
Max. flow	20L/h (5.3GPH) @ 0 head	40L/h (10.6GPH) @ 0 head
Sound level	18 dB(A) @1M (3.3ft)	20dB(A) @1M (3.3ft)
Max. discharge head	20M (65.6ft)	
Max. suction lift	2M (6.6ft)	
Max. unit output	28kw / 95,550Btu/h	46kw / 157,000Btu/h
Safety switch	3A Normally closed	
Max. water temperature	70°C	
Discharge tube	6mmID	
Class	II appliance	
Rated	Continuous	
IP Protection	IPX5	
Fully potted	Yes	
L×W×H	185mm x 36mm x 34mm	
Warranty	2 year	

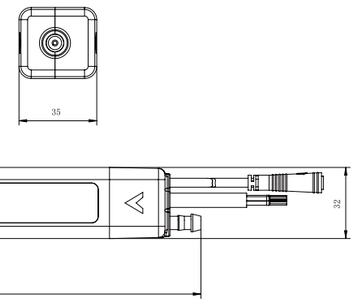
TYPICAL PERFORMANCE <



> IN THE BOX

1. Assembled MUTE BOX
2. 6mm i/d vinyl tube
3. Assembled Inline reservoir
4. 1.5m length of 6mm i/d vinyl tube
5. Inlet tube
6. Self adhesive velcro strips x 2
7. Anti-siphon valve
8. Check valve
9. Power cable
10. 4 x 200mm x 4mm cable ties

DIMENSION <



MUTE SLIM



RECOGNIZED COMPONENT
Intertek 5000206

CONDENSATE PUMP

- *Float Switch Detection*
- *Silent Operation*
- *Slim design to fit various installation methods*
- *Anti-vibration*
- *Plug & Play*

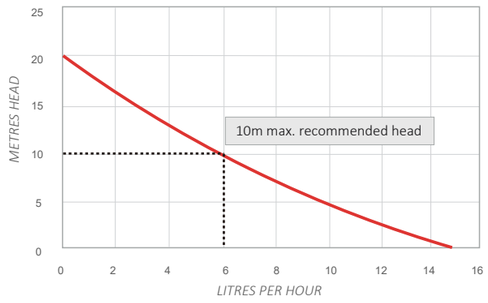
- Max. flow 15L/h (4.0GPH) @ 0 head
- Sound level < 19 dB(A) @ 1M (3.3ft)
- Max. discharge head 12M (39.4ft)

The sleek, compact design of the Mute series pumps makes them ideal for integration with mini-split and ducted HVAC systems. Operating via float switch mechanism, Mute series delivers exceptional condensate removal performance while maintaining whisper-quiet operation, ensuring optimal environmental comfort.

> TECHNICAL DATA

- Power supply: 100-240V AC 50/60Hz
- Max. flow: 15L/h (4.0GPH) @ 0 head
- Sound level: 19 dB(A) @1M (3.3ft)
- Max. discharge head: 12M (39.4ft)
- Max. unit output: 28kw / 95,550Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 70°C
- Discharge tube: 6mmID
- Class: Ⅱ appliance
- Rated: Continuous
- IP Protection: IPX5
- L×W×H: 187mm x 29mm x 27mm
- 2 year warranty

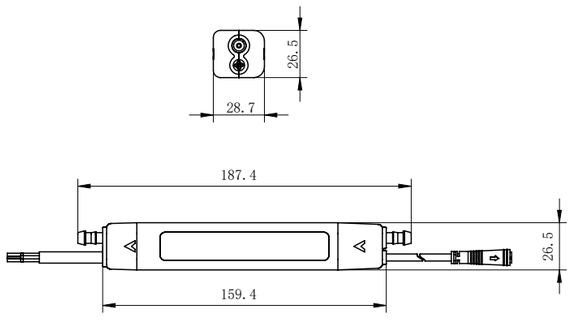
TYPICAL PERFORMANCE <



> IN THE BOX

1. Assembled MUTE SLIM
2. 6mm i/d vinyl tube
3. Assembled Inline reservoir
4. 1.5m length of 6mm i/d vinyl tube
5. Inlet tube
6. 2 x self adhesive velcro strips
7. Check valve
8. Anti-siphon valve
9. Power cable
10. 4 x 200mm x 4mm cable ties

DIMENSION <



MUTE TANK



RECOGNIZED COMPONENT
Intertek 5000206

CONDENSATE PUMP

- *Float Switch Detection*
- *High performance*
- *Fit various installation methods*
- *Anti-vibration*
- *Silent Operation*

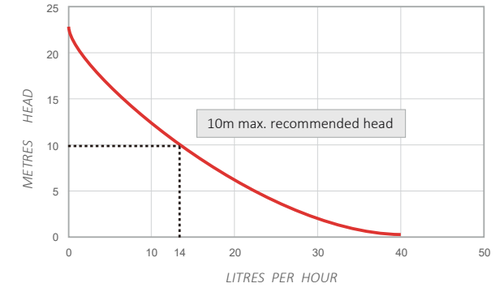
- Max. flow 40L/h (10.6GPH) @ 0 head
- Sound level < 19 dB(A) @ 1M (3.3ft)
- Max.discharge head 20M (65.6ft)

The sleek, compact design of the Mute series pumps makes them ideal for integration with mini-split and ducted HVAC systems. Operating via float switch mechanism, Mute series delivers exceptional condensate removal performance while maintaining whisper-quiet operation, ensuring optimal environmental comfort.

> TECHNICAL DATA

- Power supply: 100-240V AC 50/60Hz
- Max. flow: 40L/h (10.6GPH) @ 0 head
- Sound level: 19 dB(A) @1M (3.3ft)
- Max. discharge head: 20M (65.6ft)
- Max. unit output: 46kw / 157,000Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 70°C
- Discharge tube: 6mmID
- Class: Ⅱ appliance
- Rated: Continuous
- IP Protection: IPX7
- Fully potted: Yes
- L×W×H: 180mm x 81mm x 70mm
- 2 year warranty

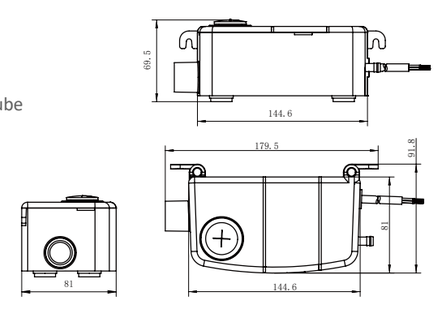
TYPICAL PERFORMANCE <



> IN THE BOX

1. Assembled MUTE TANK
2. 6mm i/d vinyl tube
3. Assembled Inline reservoir
4. 1.5m length of 6mm i/d vinyl tube
5. Inlet tube
6. Power cable

DIMENSION <





MUTE CORNER



CONDENSATE PUMP

- *Float Switch Detection*
- *Plug & Play*
- *Fit with trunking elbow*
- *Anti-vibration*
- *Silent Operation*

Max. flow
20/40 L/h @ 0 head

Sound level
18/20 dB(A) @ 1M (3.3ft)

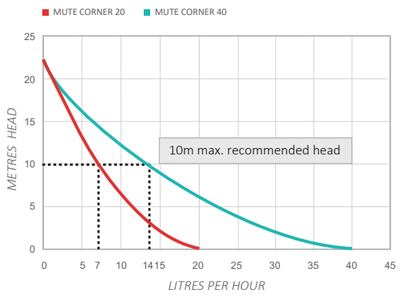
Max. discharge head
20M (65.6ft)

The sleek, compact design of the Mute series pumps makes them ideal for integration with mini-split and ducted HVAC systems. Operating via float switch mechanism, Mute series delivers exceptional condensate removal performance while maintaining whisper-quiet operation, ensuring optimal environmental comfort.

> TECHNICAL DATA

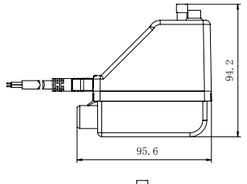
Model	MUTE CORNER 20	MUTE CORNER 40
Power supply	100-240V AC 50/60Hz	
Max. flow	20L/h (5.3GPH) @ 0 head	40L/h (10.6GPH) @ 0 head
Sound level	18 dB(A) @1M (3.3ft)	20dB(A) @1M (3.3ft)
Max. discharge head	20M (65.6ft)	
Max. unit output	28kw / 95,550Btu/h	46kw / 157,000Btu/h
Safety switch	3A Normally closed	
Max. water temperature	70°C	
Discharge tube	6mmID	
Class	II appliance	
Rated	Continuous	
IP Protection	IPX5	
L×W×H	164mm x 70mm x 106mm	
Warranty	2 year	

TYPICAL PERFORMANCE <



> DIMENSION

1. Assembled MUTE CORNER
2. 6mm i/d vinyl tube
3. Assembled Inline reservoir
4. 1.5m length of 6mm i/d vinyl tube
5. Inlet tube
6. 4 pin socket
7. Anti-siphon valve
8. Check valve
9. 4 x 200mm x 4mm cable ties





HEART BOX



CONDENSATE PUMP

- *High Performance*
- *Plug & Play*
- *Anti-vibration*
- *Quiet Operation*
- *Quick and simple installation*

Max. flow
20/40 L/h @ 0 head

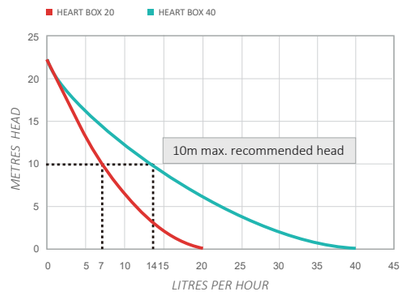
Sound level
18/20 dB(A) @ 1M (3.3ft)

Max. discharge head
20M (65.6ft)

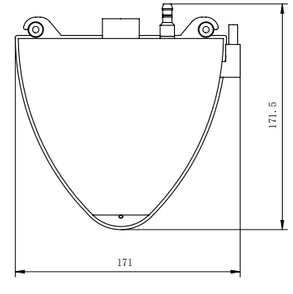
> TECHNICAL DATA

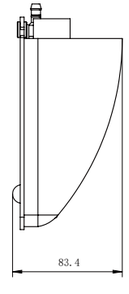
Model	HEART BOX 20	HEART BOX 40
Power supply	100-240V AC 50/60Hz	
Max. flow	20L/h (5.3GPH) @ 0 head	40L/h (10.6GPH) @ 0 head
Sound level	18 dB(A) @1M (3.3ft)	20dB(A) @1M (3.3ft)
Max. discharge head	20M (65.6ft)	
Tank capacity	300ml	
Max. unit output	28kw / 95,550Btu/h	46kw / 157,000Btu/h
Safety switch	3A Normally closed	
Max. water temperature	70°C	
Discharge tube	6mmID	
Class	II appliance	
Rated	Continuous	
Fully potted	Yes	
L×W×H	171mm x 83.4mm x 171.5mm	
Warranty	1 year	

TYPICAL PERFORMANCE <



> IN THE BOX





SLIM BOX



CONDENSATE PUMP

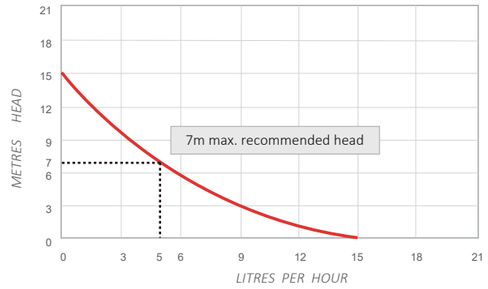
- *Ultra slim design*
- *Plug & Play*
- *Anti-vibration*
- *Quiet Operation*

- Max. flow 15L/h (4GPH) @ 0 head
- Sound level < 21 dB(A) @ 1M (3.3ft)
- Max. discharge head 12M (39.4ft)

> TECHNICAL DATA

- Power supply: 115V 50Hz or 230V 50/60Hz
- Max. flow: 15L/h (4GPH) @ 0 head
- Sound level: 21 dB(A) @ 1M(3.3ft)
- Max. discharge head: 12M (39.4ft)
- Max. suction lift: 2M (6.6ft)
- Max. unit output: 16kw / 54,600 Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 40°C
- Discharge tube: 6mmID
- Class: Ⅱ appliance
- Rated: Non continuous
- IP Protection: IPX5
- Thermal protection: Yes
- L×W×H: 148mm x 29mm x 29mm
- 1 year warranty

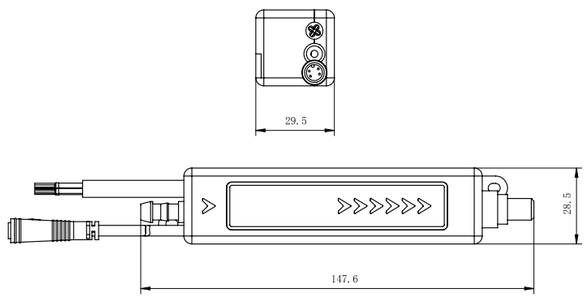
TYPICAL PERFORMANCE <



> IN THE BOX

1. Assembled SLIM BOX
2. 6mm i/d vinyl tube
3. Assembled Inline reservoir
4. 1.5m length of 6mm i/d vinyl tube
5. Inlet tube
6. Power cable
7. Self adhesive velcro strips x 2
8. 4 x 200mm x 4mm cable ties

DIMENSION <



EASY BOX



CONDENSATE PUMP

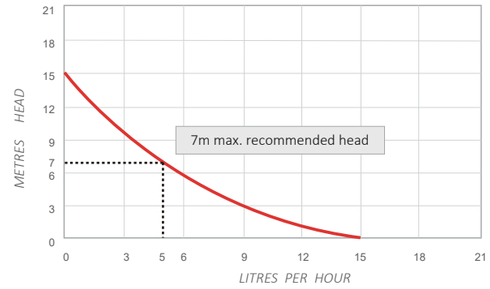
- *Plug & Play*
- *Anti-vibration*
- *Quiet Operation*
- *Small size suitable for various installation*

- Max. flow 15L/h (4.0GPH) @ 0 head
- Sound level < 21 dB(A) @ 1M (3.3ft)
- Max.discharge head 12 M (39.4ft)

> TECHNICAL DATA

- Power supply: 115V 50Hz or 230V 50/60Hz
- Max. flow: 15L/h (4GPH) @ 0 head
- Sound level: 21 dB(A) @ 1M (3.3ft)
- Max. discharge head: 12M (39.4ft)
- Tank capacity: 40ml
- Max. unit output: 16kw / 54,600 Btu/h
- Max. water temperature: 40°C
- Discharge tube: 6mmID
- Class: Ⅱ appliance
- Rated: Non continuous
- IP Protection: IPX5
- Thermal protection: Yes
- Fully potted: Yes
- L×W×H: 82.4mm x 28mm x 37mm
- 1 year warranty

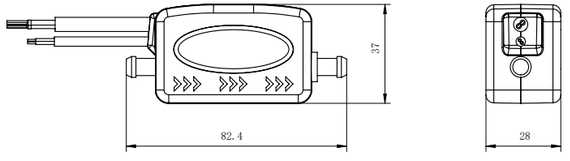
TYPICAL PERFORMANCE <



> IN THE BOX

1. Assembled EASY BOX
2. 6mm i/d vinyl tube
3. Assembled Inline reservoir
4. Inlet tube
5. Power cable
6. Self adhesive velcro strips x 2
7. 2 x 100mm x 3mm cable ties

DIMENSION <



MINI BOX



RECOGNIZED COMPONENT
c ETL us
Intertek
5000206

CONDENSATE PUMP

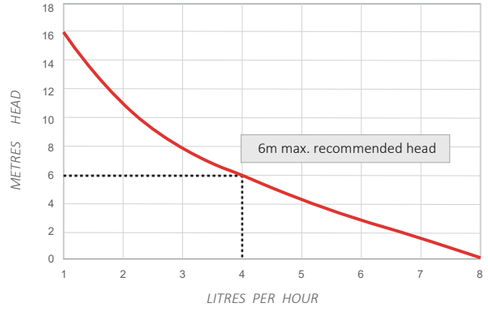
- *Plug & Play*
- *Anti-vibration*
- *Quiet Operation*
- *Small size suitable for various installation*

- Max. flow 10L/h (2.6GPH) @ 0 head
- Sound level < 20dB(A)@ 1M (3.3ft)
- Max. discharge head 15M (49.2ft)

> TECHNICAL DATA

- Max. flow: 10L/h (2.6 GPH) @ 0 head
- Sound level: 20 dB(A)@1M (3.3ft)
- Power supply: 100-240V AC 50/60Hz
- Max. discharge head: 15M (49.2ft)
- Max. unit output: 16kw/54,600Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 70℃
- Discharge tube: 6mmID
- Class: Ⅱ appliance
- Rated: Continuous
- IP Protection: IPX4
- 1 year warranty

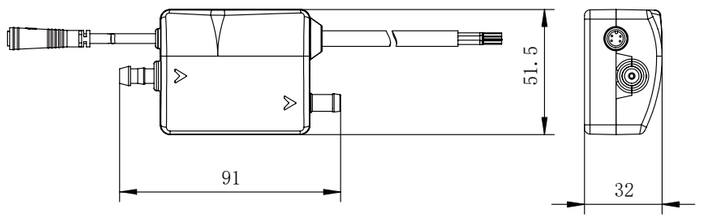
TYPICAL PERFORMANCE <



> IN THE BOX

1. Assembled maxi box pump
2. 6mm i/d vinyl tube
3. Assembled Inline reservoir
4. 1.5m length of 6mm i/d vinyl tube
5. Inlet tube
6. 2 x self adhesive velcro strips
7. 4 x 200mm x 4mm cable ties
8. Anti-siphon valve
9. Check valve

DIMENSION <



MAXI BOX



RECOGNIZED COMPONENT
c ETL us
Intertek
5000206

CONDENSATE PUMP

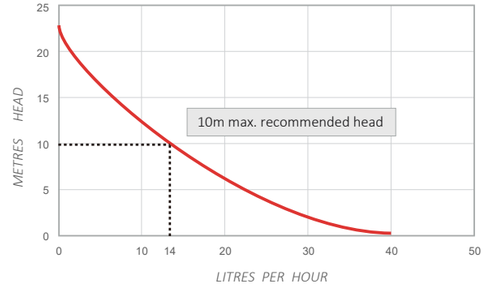
- *High Performance*
- *Plug & Play*
- *Anti-vibration*
- *Quiet Operation*

- Max flow 40L/h (10.6GPH) @ 0 head
- Sound level < 20dB(A)@ 1M (3.3ft)
- Max. discharge head 20M (65.6ft)

> TECHNICAL DATA

- Max. flow: 40L/h (10.6GPH) @ 0 head
- Sound level: 20 dB(A) @1M (3.3ft)
- Power supply: 100-240V AC 50/60Hz
- Max. discharge head: 20M (65.6ft)
- Max. unit output: 46kw/157,000Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 70℃
- Discharge tube: 6mmID
- Class: Ⅱ appliance
- Rated: Continuous
- IP Protection: IPX4
- 1 year warranty

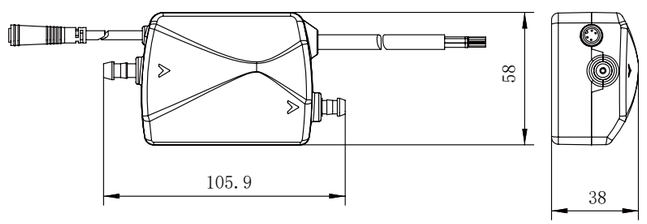
TYPICAL PERFORMANCE <



> IN THE BOX

1. Assembled maxi box pump
2. 6mm i/d vinyl tube
3. Assembled Inline reservoir
4. 1.5m length of 6mm i/d vinyl tube
5. Inlet tube
6. 2 x self adhesive velcro strips
7. 4 x 200mm x 4mm cable ties
8. Anti-siphon valve
9. Check valve

DIMENSION <



MPC



CONDENSATE PUMP

- *High Performance*
- *Plug & Play*
- *Anti-vibration*
- *Quiet Operation*
- *Fit various installation methods*

Max. flow
20/40 L/h @ 0 head

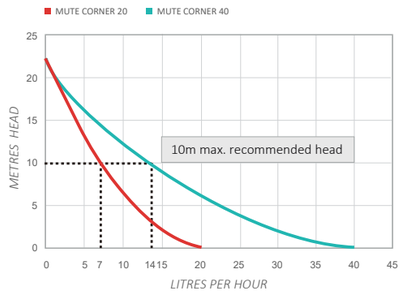
Sound level
18/20 dB(A) @ 1M (3.3ft)

Max. discharge head
20M (65.6ft)

> TECHNICAL DATA

TYPICAL PERFORMANCE <

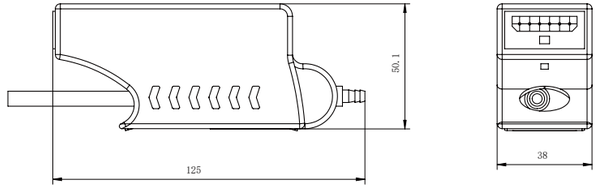
Model	MUTE CORNER 20	MUTE CORNER 40
Power supply	100-240V AC 50/60Hz	
Max. flow	20L/h (5.3GPH) @ 0 head	40L/h (10.6GPH) @ 0 head
Sound level	18 dB(A) @1M (3.3ft)	20dB(A) @1M (3.3ft)
Max. discharge head	20M (65.6ft)	
Max. unit output	28kw / 95,550Btu/h	46kw / 157,000Btu/h
Safety switch	3A Normally closed	
Max. water temperature	70°C	
Discharge tube	6mmID	
Class	Ⅱ appliance	
Rated	Continuous	
L×W×H	164mm x 70mm x 106mm	
Warranty	1 year	



> IN THE BOX

DIMENSION <

1. Assembled MPC PUMP
2. 6mm i/d vinyl tube
3. Assembled Inline reservoir
4. 1.5m length of 6mm i/d vinyl tube
5. Inlet tube
6. 6 pin socket lead assembly
7. Self adhesive velcro strips x 2
8. 4 x 200mm x 4mm cable ties
9. Check valve
10. Anti-siphon valve



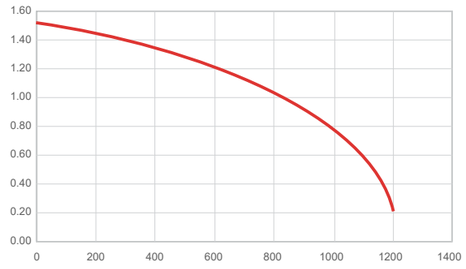
PC-DC



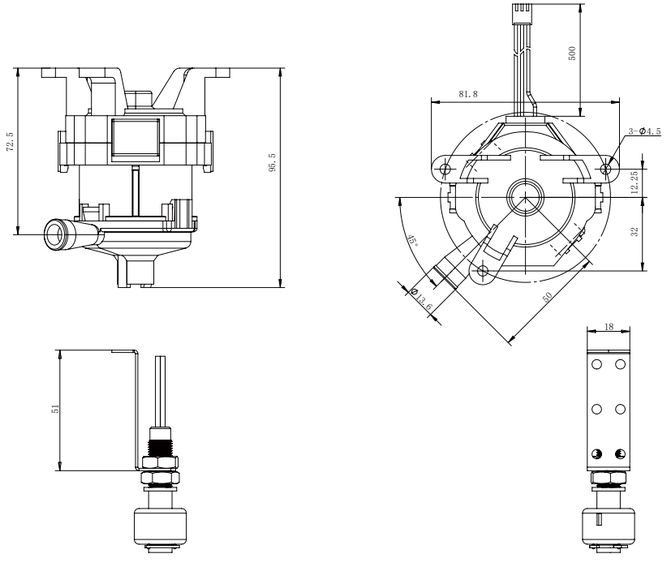
> TECHNICAL DATA

- Max. flow rate: 70L/h
- Rated voltage: DC12V(1±10%)
- Rated max head: 1.2M
- Water level: 10mm
- Input power: 2.4W(1±10%)
- Rated flow rate: >550ml/min

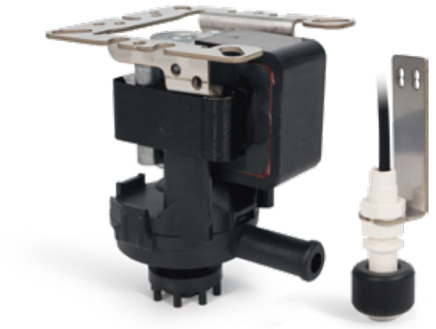
TYPICAL PERFORMANCE <



> DIMENSION



PC-AC



> TECHNICAL DATA TECHNICAL DATA <

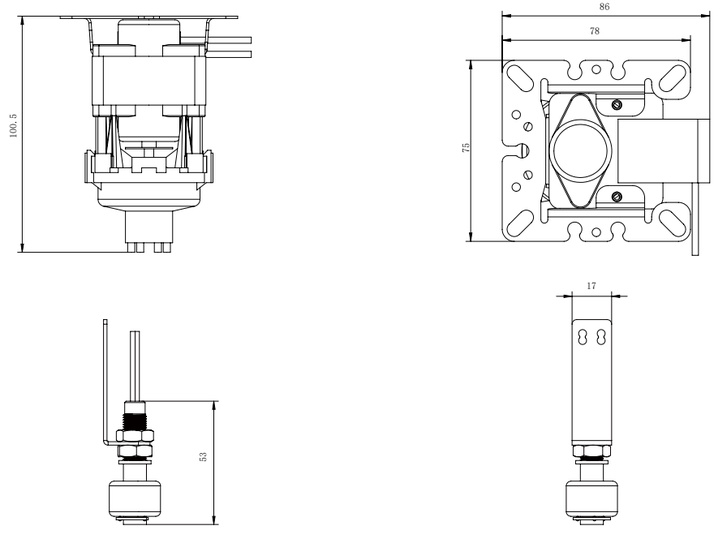
PC-AC40

- Max. flow rate: 40L/h
- Max. discharge height: 95cm
- Power supply: 230V-50/60 Hz≤8W
- Alarm contact: NC 50 VA resistive-250V
- Input power: impedance protection
- Alarm level: 18mm
- Sound level at 1 m: ≤30dBA

PC-AC70

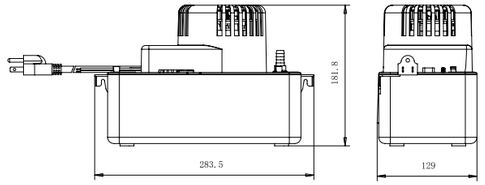
- Max. flow rate: 70L/h
- Max. discharge height: 95cm
- Power supply: 230V-50/60 Hz≤8W
- Alarm contact: NC 50 VA resistive-250V
- Input power: impedance protection
- Alarm level: 18mm
- Sound level at 1 m: ≤35dBA

> DIMENSION



TANK-V

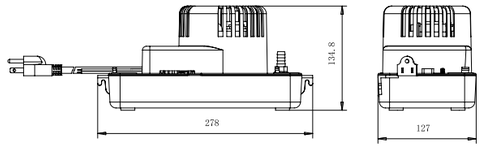
Tank capacity: 2.2L (0.6 gallon)





TANK-L

Tank capacity: 1.1L (0.3 gallon)





Model	Voltage(V)	Frequency(Hz)	Current(A)	Power(W)	Max. flow	Max. discharge head
RTP15WS115V RTP15WS115L	115	60	1.0	60	66GPH (250L/H)	15'/4.6M
RTP20WS115V RTP20WS115L	115	60	1.5	85	80GPH (303L/H)	20'/6.1M
RTP22WS115V RTP22WS115L	115	60	1.85	100	145GPH (550L/H)	22'/6.7M
RTP24WS115V RTP24WS115L	115	60	2.2	110	153GPH (580L/H)	24'/7.3M
RTP15WS230V RTP15WS230L	230	60	0.45	50	66GPH (250L/H)	15'/4.6M
RTP20WS230V RTP20WS230L	230	60	0.55	75	80GPH (303L/H)	20'/6.1M
RTP22WS230V RTP22WS230L	230	60	1.0	100	145GPH (550L/H)	22'/6.7M
RTP24WS230V RTP24WS230L	230	60	1.1	110	153GPH (580L/H)	24'/7.3M
RTP15WS230V RTP15WS230L	230	50	0.6	60	251L/H	4M
RTP20WS230V RTP20WS230L	230	50	0.7	85	265L/H	4.5M
RTP22WS230V RTP22WS230L	230	50	1.2	115	268L/H	5M
RTP24WS230V RTP24WS230L	230	50	1.3	125	352L/H	5.5M

TANK-X

CONDENSATE PUMP

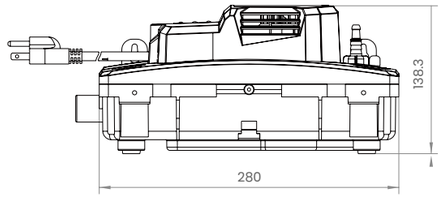


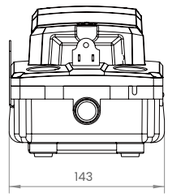
- *Lower chamber design to minimize mold growth*
- *3 LED Indicator for Operational Status*
- *Discharge tube compatible with both 3/8" & 1/4"*
- *Optional dual alarm system for enhanced safety and reliability.*
- *0.45 Gallon Rustproof, High Impact ABS Tank*
- *4 inlets plus 1 extra horizontal inlet 1.1"*
- *2 year warranty*

RECOGNIZED COMPONENT
c ETL us
Intertek
5000206

- Max. flow 460L/H , (122GPH)
- Sound level < 35dB@1M(3.3ft)
- Max. discharge head 6.1 M(20ft)

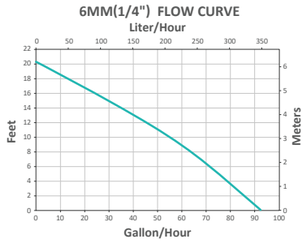
> IN THE BOX



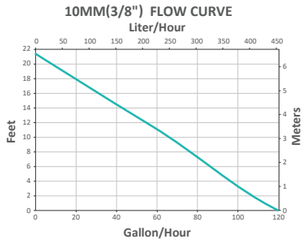


115V

6MM(1/4") FLOW CURVE

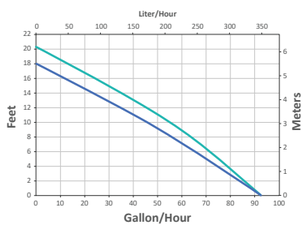


10MM(3/8") FLOW CURVE

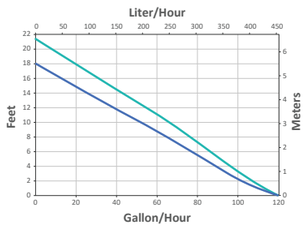


230V

6MM(1/4") FLOW CURVE



10MM(3/8") FLOW CURVE



Model	Voltage(V)	Frequency(Hz)	Current(A)	Power(W)	Max. flow	Max. discharge head
TKX20WS115	115	60	1.4	75	122GPH (460L/H)	20'/6.1M
TKX20WS230	230	60	0.7	75	122GPH (460L/H)	20'/6.1M
	230	50	0.8	75	122GPH (460L/H)	18'/5.5M



INLINE RESERVOIR

IR

Assembled inline reservior



ANTI-SIPHON JOINT

ASJ

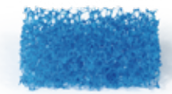
Prevents siphoning, reducing air suction noise and bubbling



INLET FILTER

IF

Helps trap debris and reduce microbial buildup



PU FILTER

PF

Protects the pump from debris and particles

PLASTIC CABLE TIES

PCT

Hold tubes firmly in place to prevent movement, vibration, and sagging.

VINYL TUBING

VT

Flexible, corrosion-resistant and aging-resistant, safe and non-toxic; Customizable diameter and lengths



CHECK VALVE

CV

Unidirectional adaptor



MAGNET FLOAT

MF

Used in Mute & Box Series Pumps



L-SHAPED INLET HOSE

LSIH

Flexible 90° inlet connector designed for various installations

INLET HOSE

IH

Customizable Lengths per Request



1A FUSE

FU

Provides overcurrent protection to safeguard the pump

FLOAT SWITCH-FS1

TECHINICAL DATA

Voltage: 24VAC
Current: 1.25 Amp
General Purpose, Used in Class 2 (Thermostat) Circuit Only



- Automatically detects clogged A/C condensate drains and shuts off the system for enhanced safety protection.
- Accommodates sloped drain line installation up to 45 degrees.
- Cap can be easily removable for inspecting the operation of float switches.

FLOAT SWITCH-FS2

TECHINICAL DATA

Voltage: 24VAC
Current: 1.25 Amp
General Purpose, Used in Class 2 (Thermostat) Circuit Only



- Automatically detects clogged A/C condensate drains and shuts off the system for enhanced safety protection.
- Installed horizontally on the auxiliary drain outlet of the primary pan, using the provided adapter, bushing, and cap.
- Cap can be easily removable for inspecting the operation of float switches.

FLOAT SWITCH-FS3

TECHINICAL DATA

Voltage: 24VAC
Current: 1.25 Amp
General Purpose, Used in Class 2 (Thermostat) Circuit Only



- Automatically detects clogged A/C condensate drains and shuts off the system for enhanced safety protection.
- Engineered with heavy-duty steel mounting brackets for secure attachment to condensate drain pan.
- Installed on various primary or auxiliary drain pans and will operate correctly even if the installation is off-center.

CTK

Condensate Trap Kit with Overflow Switch

Voltage: 24VAC
Current: 1.25 Amp
General Purpose, Used in Class 2 (Thermostat) Circuit Only



Code	Size
CTK1	3/4”
CTK2	1”

- Automatically detects clogged A/C condensate drains and shuts off the system for enhanced safety protection.
- Accommodates sloped drain line installation up to 45 degrees.
- Cap can be easily removable for inspecting the operation of float switches.

CT-MSP1

Voltage: 24VAC
Current: 4 Amp

Universal inline primary/secondary overflow switch, designed for horizontal installation.



CT-MSP2

Voltage: 24VAC
Current: 4 Amp

Universal inline primary/secondary overflow switch, designed for horizontal and vertical installation.



CT-MS1

TECHINICAL DATA

Power: 24VAC
Current: 4A

- Microswitch technology (4A NO/NC) for high switching capacity
- Transparent design for easy cleaning and inspection
- Watertight blue caps for quick drainage access
- Consists of durable 3/4” PVC fittings
- Smart trap switch warns of blockages and shuts down the unit; removable for cleaning



CT-MS2

TECHINICAL DATA

Power: 24VAC
Current: 4A

- Microswitch technology (4A NO/NC) for high switching capacity
- Transparent design for easy cleaning and inspection
- Watertight blue caps for quick drainage access
- Consists of durable 3/4” PVC fittings
- Smart trap switch warns of blockages and shuts down the unit; removable for cleaning
- Threads into fitting on secondary drain pan



CT-MS3

TECHINICAL DATA

Power: 24VAC
Current: 4A

- Microswitch technology (4A NO/NC) for high switching capacity
- Transparent design for easy cleaning and inspection
- Trap kit includes 3/4” clear trap, 3/4” tee with caps, 3/4” cross with caps, micro switch, and a clear brush



CT

Code	Size	Description
CT1	3/4”	without brush
CT1-B	3/4”	with brush
CT2	1”	without brush
CT2-B	1”	with brush

- The trap’s clear design enables effortless cleaning and inspection.
- Equipped with watertight blue caps, ensuring easy access for cleaning both the trap and the drain pan outlet.
- Provided with brush (optional)



FLOOD DETECTOR FD-1

- Automatically cut off the power line/equipment with detection of presence of water
- LED indicators display operating status
- Flexible installations; usually placed in a drain pan, or on floor
- Manual reset for multiple uses
- Easy and quick installation



Rated Current	Rated Voltage	Electrical Connection Type	Switch
3A	12-30VAC 50/60Hz or 12-36VDC	Independently powered	Normally closed (N/C) Normally open (N/O)

CO2 SHOT DRAIN GUN

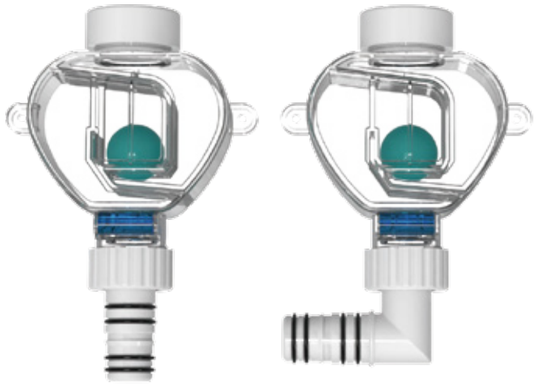
A/C drain line flush to clean condensate drain lines faster and easier

- Compatible with CO2 Cartridges in a pack of 6 or 12
- Tapered fitting to cleaning for 3/8 in - 3/4 in drain openings
- Portable, light-weight, and eco-friendly



VACUSEAL SIPHON KIT

No Backflow, Just Smooth Drainage



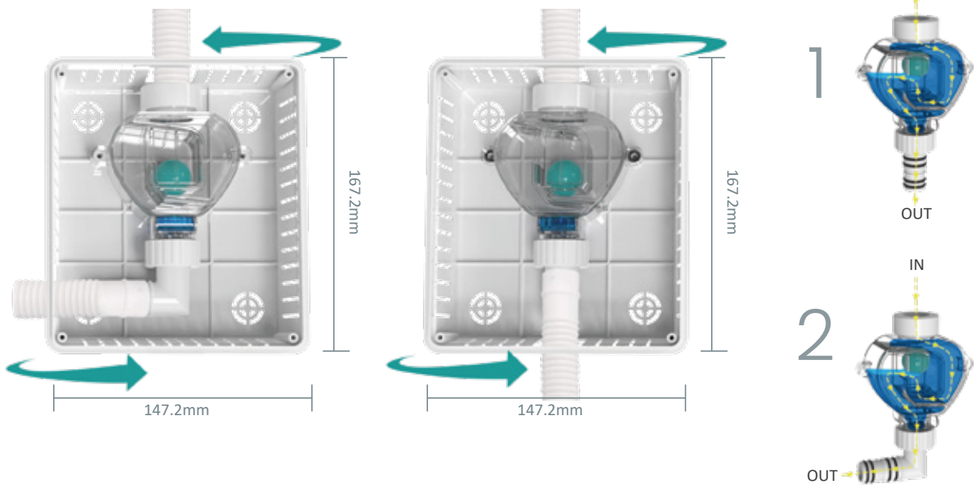
> PRODUCT FEATURES

- Dual outlet design (vertical or horizontal)
- Easy inspection and maintenance
- Compact concealed installation
- Reversible installation
- 18 mm adapter included

> SPECS

- Flow Rate: 30 L/h
- Compatible Drain Hose: 16/18 & 18/20 mm
- Dimension: 94x134x43mm

> PRODUCT DISPLAY



VINYL TUBING



Code	35CF101	35CF102	35CF103	35CF104	35CF105
Size	1/4''	3/8''	1/2”	5/8''	1''
Diameter ID (mm)	6	10	12	15	25
Diameter OD (mm)	9	14	16	20	31
Length per roll (m)	6/20/25/50m or 10/25/50/100ft				
Material	PVC				
Temperature (℃)	10-60				

BRAIDED VINYL TUBING



Code	36CF101	36CF102	36CF103	36CF104	36CF105
Size	1/4''	3/8''	1/2”	5/8''	1''
Diameter ID (mm)	6	10	12	15	25
Diameter OD (mm)	9	14	16	20	31
Length per roll (m)	30m or 100ft or customized				
Material	PVC				
Temperature (℃)	5-60				

SMOOTH DRAIN LINE



Code	31CF301	31CF302	31CF303	31CF304	31CF305
Diameter (mm)	12	16 (5/8'')	19 (3/4'')	20	25 (1'')
Length per roll (m)	20/25 or customized				
Color	RAL9002, RAL9003, or customized				

PVC REINFORCED TUBING



Code	81CF101	81CF102	81CF103	81CF104	81CF105	81CF105
Diameter OD (mm)	16	18	20	25	32	40
Thickness (mm)	2					
Color	White - RAL 9003					
Length per roll (m)	20/25 or customized					
Temperature (℃)	0-70					

Code	81CF201	81CF202	81CF203	81CF204	81CF205	81CF205
Diameter OD (mm)	16	18	20	25	32	40
Thickness (mm)	2					
Color	Grey - RAL9006					
Length per roll (m)	20/25 or customized					
Temperature (℃)	0-70					

CORRUGATED TUBING





Code	31CF101	31CF102	31CF103	31CF104	31CF105	31CF106	31CF107	31CF108
OD (mm)	19/21	21	19/21	21	19/21	21	19/21	21
ID(mm)	16/18 (5/8'')	18/20	16/16-18/18	18/18-20/20	16/18	18/20	16/16-18/18	18/18-20/20
Single/Double Layer	Single	Single	Single	Single	Double	Double	Double	Double
Length per roll (m)	6/8/15/50m or 20/160ft or customized							
Stretch(m)	0.5/1							
Color	RAL 1013 or customized							
Material	Polyethylene							

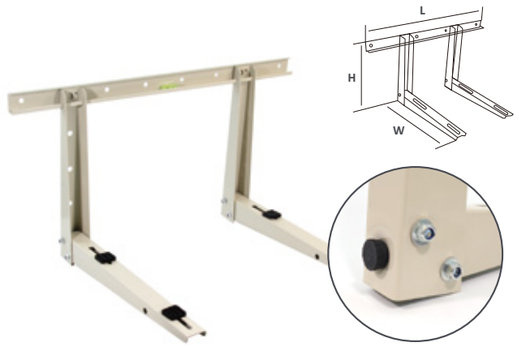
INSULATED DRAIN HOSE



Code	31CF401	31CF402	31CF403	31CF404
Size	5/8''	3/4''	1''	1-1/4''
Diameter ID (mm)	16	19	25	32
Diameter OD (mm)	23.5	26.5	33	40
Length per roll (m)	5/10/20			
Material	PVC, Polypropylene (PP), and Polyethylene (PE)			
Color	white/grey			
Temperature (℃)	0-70			

ACB-A

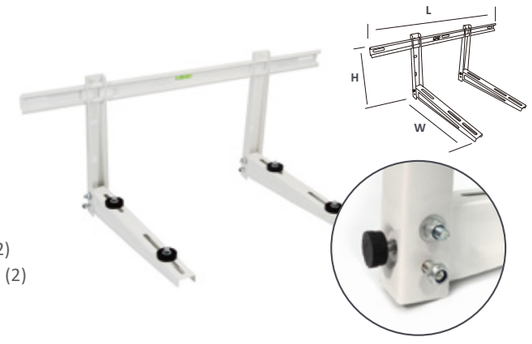
Material	Galvanized Steel
Color	RAL9002 / Pantone 7534C
Finish	Epoxy Polyster Powder
Accessories	8x80mm Lag Screw (6) 10mm Concrete Anchor (6) 1" Bolt (4) Clip Nut (4) Rubber Mount (4)



Code	HxWxL (mm)	Thickness (mm)	Load (kg)
ACB-A01	450x560x850	2	200
ACB-A02	450x600x850	2	200

ACB-B

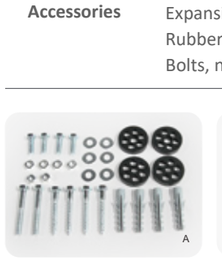
Material	Cold Press Steel / Galvanized Steel
Color	RAL9016
Finish	Epoxy Polyster Powder
Accessories	Plastic anchor bolts (5) Nut M8*30 (4) Wood screw M8*65 (5) Rubber mat (4) Metal washer M8 (5) Adjustive screws (2) Bolt M8*25 (4) Connecting screws (2) Metal Washer M8 (4) Spirit level (1)

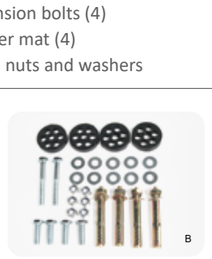


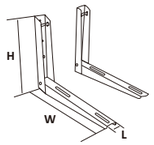
Code	HxWxL (mm)	Thickness (mm)	Load (kg)
ACB-B01	350x420x800	1.5	150
ACB-B02	350x450x800	1.5	150
ACB-B07	375x420x800	1.5	150
ACB-B08	375x460x800	1.5	180
ACB-B03	375x550x800	1.5	180
ACB-B09	390x420x800	1.5	180
ACB-B04	350x420x800	1.8	180
ACB-B05	350x450x800	1.8	180
ACB-B06	350x550x800	1.8	180
ACB-B10	375x420x800	1.8	180
ACB-B11	390x550x800	1.8	180
ACB-B12	450x550x800	1.8	180
ACB-B13	375x420x800	2.0	200
ACB-B14	390x550x800	2.0	200
ACB-B15	450x550x800	2.0	200

ACB-C

Material	Cold Press Steel / Galvanized Steel
Color	RAL9016
Finish	Epoxy Polyster Powder
Accessories	Expansion bolts (4) Rubber mat (4) Bolts, nuts and washers





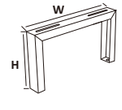




Code	HxWxL (mm)	Thickness (mm)	Load (kg)
ACB-C01	390x450x50	1.5	150
ACB-C02	390x500x50	1.5	150
ACB-C03	400x500x50	1.5	180
ACB-C04	390x450x50	1.8	180
ACB-C05	390x550x50	1.8	180
ACB-C06	450x550x50	1.8	180
ACB-C07	450x500x50	2.0	200
ACB-C08	450x550x50	2.0	200

ACB-D

Material	Cold Press Steel / Galvanized Steel
Color	Ivory
Finish	Epoxy Polyster Powder
Accessories	Anti-vibrator SG40

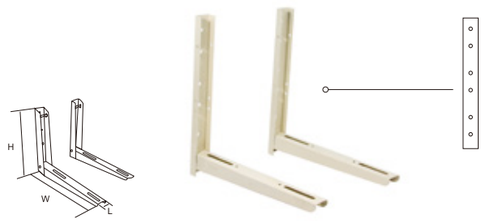




Code	HxW (mm)	Thickness (mm)	Load (kg)
ACB-D01	400x250	2	200
ACB-D02	460x250	2	200

ACB-E

Material	Cold Press Steel / Galvanized Steel
Color	RAL1013, RAL9002
Finish	Epoxy Powder
Accessories (optional)	Expansion bolts Bolts, nuts and washers



Code	HxWxL (mm)	Thickness (mm)	Load (kg)
ACB-E01	500x400x60	2	200
ACB-E02	500x450x60	2	200
ACB-E03	500x500x60	2	200
ACB-E04	500x600x60	2	200
ACB-E05	1000x600x60	1.5	150
ACB-E06	500x400x50	1.5	150
ACB-E07	500x450x50	1.5	150
ACB-E08	500x500x50	1.5	150
ACB-E09	500x600x50	1.5	150
ACB-G01	500x400x60	1.5	150
ACB-G02	500x450x60	1.5	150
ACB-G03	500x500x60	1.5	150
ACB-G04	500x600x60	1.8	180

ACB-F

Material	Cold Press Steel / Galvanized Steel
Color	RAL1013, RAL9002
Finish	Epoxy Powder
Accessories (optional)	Expansion bolts Bolts, nuts and washers

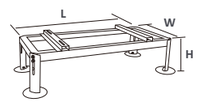


Code	HxWxL (mm)	Thickness (mm)	Load (kg)
ACB-F01	500x400x60	1.5	150
ACB-F02	500x450x60	1.5	150
ACB-F03	500x500x60	1.5	150
ACB-F04	500x600x60	1.8	180
ACB-F05	1000x600x60	3	300
ACB-F201	500x400x50	1.5	150
ACB-F202	500x450x50	1.5	150
ACB-F203	500x500x50	1.5	150
ACB-F204	500x600x50	1.8	180

ACB-J

Material	Cold Press Steel / Galvanized Steel
Accessories	Bolts Nuts Metal washer Rubber pads (4)

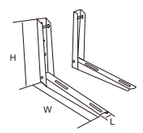




Code	HxWxL (mm)	Load (kg)
ACB-J01	380x400x850	100
ACB-J02	480x400x850	100
ACB-J03	550x420x1000	200
ACB-J04	600x500x1000	200

ACB-H

Material	Cold Press Steel / Galvanized Steel
Color	RAL9016
Finish	Epoxy Polyster Powder
Accessories	Expansion bolts (4) Rubber mat (4) Bolts, nuts and washers

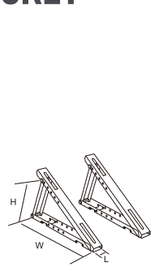




Code	HxWxL (mm)	Thickness (mm)	Load (kg)
ACB-C01	410x450x1.5mm	1.5	120
ACB-C02	410x450x1.8mm	1.5	150
ACB-C03	410x450x2mm	2	180

ADJUSTABLE ROOF MOUNT BRACKET

Material	Cold Press Steel / Galvanized Steel
Color	RAL9002
Finish	Epoxy Polyster Powder
Accessories	Bolts, nuts and washers Rubber Pads (4) Spirit level (1)
Adjusted angle (degrees)	20-35

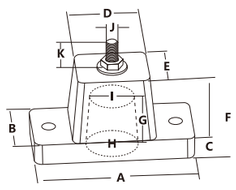




Code	HxWxL (mm)	Thickness (mm)	Load (kg)
21CF741	250x450x800	1.8	150-200

ACR-A

Applicable Scope	7500Btu-24000Btu A/C
Load per Kit (kg)	150





Code	A	B	C	D	E	F	G	H	I	J	K
ACR-A	95	47	16	47	41	40	32	35	30	8	20

ACR-B

Applicable Scope	7500Btu-24000Btu A/C

Code	Size (mm)	Load per kit (kg)
ACR-B01	105x45x75	120
ACR-B02	105x45x100	150



ACR-C

Applicable Scope	7500Btu-24000Btu A/C

Code	Size (mm)	Load (kg)
ACR-C01	100x57x50	150



ACR-D

Applicable Scope	7500Btu-24000Btu A/C
Load per Kit (kg)	200

Code	Size (mm)	Color
ACR-D01	DIA100x90	black
ACR-D02	DIA100x90	white



ACR-E

Material	Polypropylene
Color	Ivory
Accessories (optional)	Anti-slip EVA tape Bolts and Nuts

Code	Size (mm)	Load per kit (kg)
ACR-E01	100x100x90	200



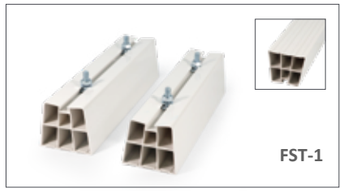
FLOOR SUPPORT-1

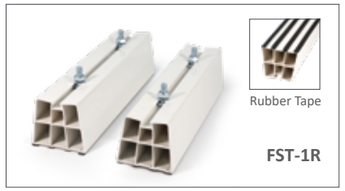
Material	PVC
Color	Ivory
Accessories (optional)	Screws M10*32 (2) Nuts M10 (2) Washers M10 (2) Rubber or Foam Tape

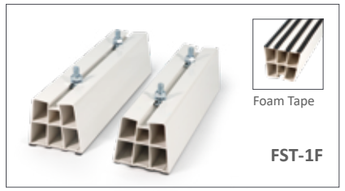


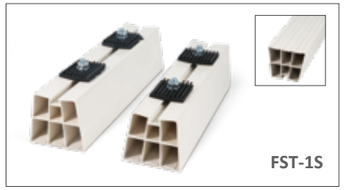


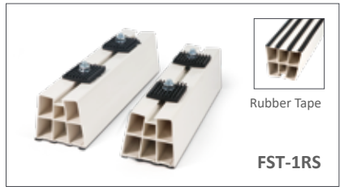
Code	Length (mm)	Color	Load (kg)
22CF101	350	Black	300
22CF102	450	Black	300
22CF103	1000	Black	300
22CF104	350	Ivory	300
22CF105	450	Ivory	300
22CF106	1000	Ivory	300

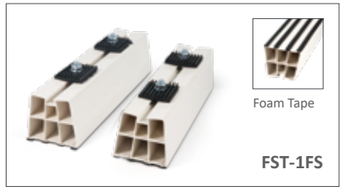












FLOOR SUPPORT-2B

Light weight, anti vibration and easy installation



Code	Size (mm)	Color	Load (kg)
22CF202B	450*75*120	Ivory	140

FLOOR SUPPORT-3

Light weight, anti vibration and easy installation



Code	Length (mm)	Color	Load (kg)
22CF301	350	black	140
22CF302	450	black	140
22CF303	1000	black	140
22CF304	350	ivory	140
22CF305	450	ivory	140
22CF306	1000	ivory	140

FLOOR SUPPORT-4A



Code	Length (mm)	Load (kg)	Accessories
22CF401A	250x130x50	200	screw kits x2
22CF402A	400x130x50	200	screw kits x4

FLOOR SUPPORT-4C

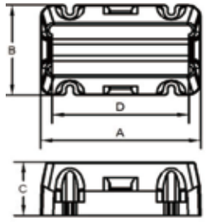


- Designed to provide a stable and secure base for A/C equipments
- With aluminum profile. Install with steel fixing screws and spirit levels

Code	Size(mm)	Load (kg)	Accessories
22CF401C	250x180x95	200	screw kits x2
22CF402C	400x180x95	250	screw kits x4
22CF403C	600x180x95	250	screw kits x4
22CF404C	1000x180x95	300	screw kits x4

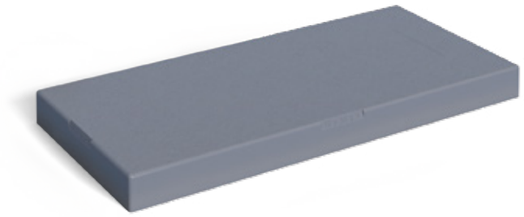
FLOOR SUPPORT-4D





Code	AxBxCxD(mm)	Weight (kg/kit)	Load per kit (kg)	pcs per kit	Accessories
22CF401D	250x163x98x210	4.87	220	2	screw kits x2
22CF402D	400x163x98x360	7.33	320	2	screw kits x4
22CF403D	450x163x98x410	8.21	350	2	screw kits x4
22CF404D	500x163x98x460	9.1	380	2	screw kits x4
22CF405D	600x163x98x560	10.86	500	2	screw kits x4
22CF406D	1000x163x98x960	17.93	800	2	screw kits x4

CONDENSER PAD - DURAPAD



- *DURA PAD is made from polypropylene, ensuring lightweight and durable*
- *Engineered with uniform and honeycomb ribbing for level loading, optimum strength and self-leveling ground support*
- *Unaffected by UV exposure or extreme outdoor temperature*
- *Environmental friendly, made from 98% recycled plastic*
- *Tested per ASTM D2299 with refrigerants, synthetic canine urine, compressor oil or salt solution.*
- *Drillable, making the pad easily secured with equipment in neccessary cases*

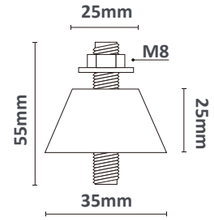
Code	Size(inch)	Weight(kg)	Max. Load(lb)
EP-01	18x38x3	3.8	1500
EP-02	24x24x3	3.4	1530
EP-03	30x30x3	5.3	1580
EP-04	32x32x3	6.0	1730
EP-05	36x36x3	7.3	1800

ANTI-VIBRATOR

Anti-vibrators in AC installation minimize vibrations and noise generated by the compressor and other moving parts, ensuring smoother operation and extending the lifespan of the system. They also protect surrounding structures and components from potential damage caused by continuous vibrations. 4 pieces in one kit.

AG35

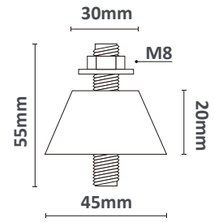
Code	Size (mm)	Load per kit (kg)
51CF101	35x25 M8	100
51CF101S	40x20 M8	50





AG45

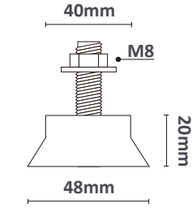
Code	Size (mm)	Load per kit (kg)
51CF102	45x30 M8	150
51CF102S	40x20 M8	80





SG40

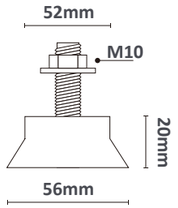
Code	Size (mm)	Load per kit (kg)
51CF201	48x40 M8	100





SG60

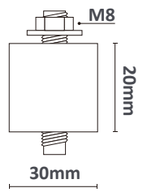
Code	Size (mm)	Load per kit (kg)
51CF301	56x52 M10	150





AA30

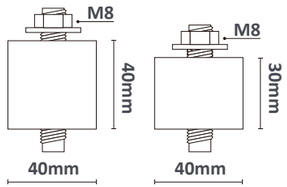
Code	Size (mm)	Load per kit (kg)
51CF401	30x20 M8	90





AA40

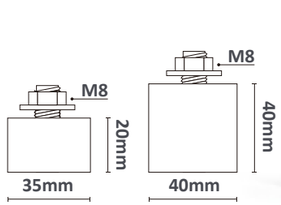
Code	Size (mm)	Load per kit (kg)
51CF402	40x40 M8	150
51CF403	40x30 M8	150





S26/S30

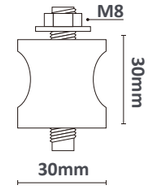
Code	Size (mm)	Load per kit (kg)
51CF501	35x20 M8	150
51CF502	40x40 M8	150





AT

Code	Size (mm)	Load per kit (kg)
51CF601	30x30 M8	100

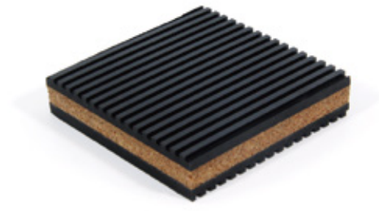




RUBBER/CORK ANTI-VIBRATION PAD

- Ideal for air conditioners, compressors, cooling towers, presses, machines, etc..
- High-quality elastomeric oil resistant padding.
- The cork is laminated between two corrugated pads.

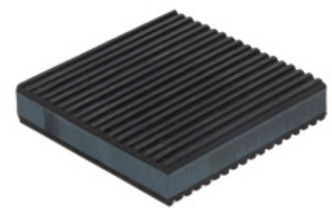
Code	Size(mm)
22CF501	50x50x22.3 (2'')
22CF502	75x75x22.3 (3'')
22CF503	100x100x22.3 (4'')
22CF504	150x150x22.3 (6'')
22CF505	300x300x22.3 (12'')
22CF506	450x450x22.3 (18'')



EVA ANTI-VIBRATION PAD

- Tested against other pads at four different vibration settings
- Oil resistant and chemical resistant
- Much more effective at vibration dampening than solid rubber

Code	Size(mm)
22CF601	50x50x22.3 (2'')
22CF602	75x75x22.3 (3'')
22CF603	100x100x22.3 (4'')
22CF604	150x150x22.3 (6'')
22CF605	300x300x22.3 (12'')
22CF606	450x450x22.3 (18'')



SURGE PROTECTIVE DEVICE - R-SP

The green LED light will be on when the SPD is functioning properly. When the red LED light is on, it signals reduced protection and indicates that the device should be replaced



Features

- Modes of protection: 3(L1-G, L2-G, L1-L2)
- Easy installation to disconnect box or junction box
- Weather-rated NEMA 4X watertight enclosure
- TPMOV ® technology with two status LED lights
- UV-resistant plastic enclosure
- Max continuous overvoltage L-G 150V /L-L 300V
- Voltage protection rating L-G 700V/ L-L 1200V
- ANSI/UL 1449 5th EDITION

Specifications

Input Voltage:	120/240 VAC
Frequency:	50-60Hz
SPD Type:	Type 1 or Type 2
MCOV:	L-G: 150 V L-L: 300 V
VPR:	L-G: 700 V L-L: 1200 V
Nominal Discharge Rating:	20 kA
Short Circuit Current Rating:	100 kA
Operating Temp:	-40° F to 158° F (-40° C to 85° C)
Enclosure:	Type 4X Outdoor

R-SP Protects:

- Ductless Mini-splits
- Central Air Conditioners
- Heat Pumps
- Furnaces
- Boilers
- ECM Motors
- Home Appliances



AC DISCONNECT

Product overview

Widely Used in Residential and Light Commercial Air Conditioning Units

Features & benefits

- Metallic and non-metallic options are NEMA 3R rated outdoor enclosures
- Easy-to-remove high-strength protective shield
- Easy-to-remove front cover
- Copper-rated line and load lugs



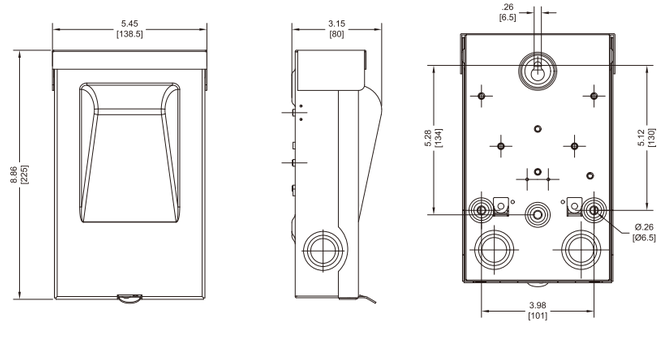
Product certification

c UL us	UL	UL1429

Cat. No.	Description	Main Ampere Rating
ACD-30A	Disconnect Switch, Fusible	30AMP 240V 1 PHASE 2-Pole 3-WIRE
ACD-60A	Disconnect Switch, Fusible	60AMP 240V 1 PHASE 2-Pole 3-WIRE
ACD-60AN	Disconnect Switch, Non-fusible	60AMP 240V 1 PHASE 2-Pole 3-WIRE



ACD-60AN





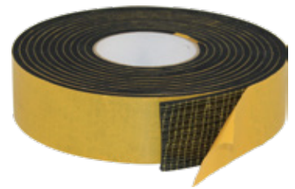
ACD-30A/ACD-60A

TAPE

Tapes are essential in AC installation for sealing joints, insulating components, and preventing air leaks, ensuring efficient system performance. They also help reduce noise, vibrations, and energy loss by providing secure and durable connections.

INSULATING SELF - ADHESIVE TAPE

With Mesh



Code	Size(mm)	Length(m)
14CF101M	50x3	10
14CF102M	50x3	15
14CF103M	50x3	25
14CF104M	100x3	10
14CF105M	100x3	15
14CF106M	100x3	25

INSULATING SELF - ADHESIVE TAPE

Without Mesh



Code	Size(mm)	Length(m)
14CF101	50x3	10
14CF102	50x3	15
14CF103	50x3	25
14CF104	100x3	10
14CF105	100x3	15
14CF106	100x3	25

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INSULATING NON-ADHESIVE TAPE



Code	Size(mm)	Thickness (mm)
15CF101	18x0.15	10

ALUMINUM FOIL DUCT TAPE



Code	Thickness (micron)	Width (mm)	Length (m)	Certification
AFDT	20/30/40/50	50/75/100	30/50/100	
AFDT-723	30/40/50	2''/3''/any size	55m(50 yards) or any lengths	UL723 listed

PVC DUCT TAPE - PVCT

- PVC tape with an adhesive coat on one side.
- Usage temperature -10℃/+80℃
- Available in grey, white or black color and more



Thickness (mm)	Width (mm)
0.13/0.15/0.18	50/100

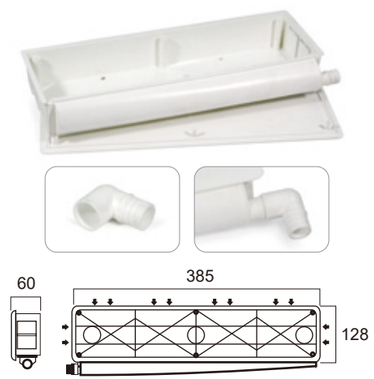
PRE-INSTALLATION BOX

A pre-installation box in AC installation simplifies the process by centralizing refrigerant lines, electrical wiring, and drainage, ensuring a clean and efficient setup. Commonly used in new constructions, it reduces installation time and maintains a professional appearance.

32CF101

- Horizontal outlet
- Equipped with elbow for vertical outlet

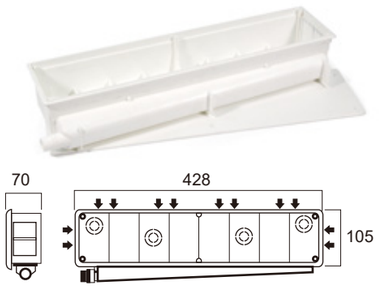
Code	Material	Dimension (mm)	Outlet
32CF101	ABS	385x128x60	Horizontal outlet



32CF102/103

- Horizontal outlet
- Including screw kit (6 screws)
- Optional elbow for vertical outlet

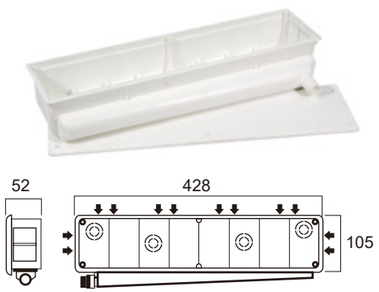
Code	Material	Dimension (mm)	Dimension (mm)
32CF102	ABS	428x105x70	Horizontal outlet
32CF103	ABS	428x105x70	Vertical outlet



32CF104/105

- Vertical outlet
- Including screw kit (6 screws)
- Optional elbow for horizontal outlet

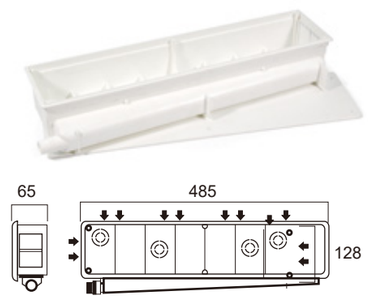
Code	Material	Dimension (mm)	Dimension (mm)
32CF104	ABS	428x105x52	Horizontal outlet
32CF105	ABS	428x105x52	Vertical outlet



32CF106

- Vertical outlet
- Including screw kit (6 screws)
- Optional elbow for horizontal outlet

Code	Material	Dimension (mm)	Dimension (mm)
32CF106	ABS	485x128x65	Horizontal outlet



32CF108

- Box to fit in ABS with black cover
- Including screw kit

Code	Size(mm)
32CF108	400x180x60



32CF109

- Box to fit in ABS with black cover
- Including screw kit

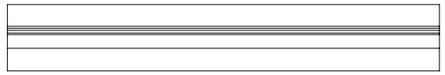
Code	Size(mm)
32CF109	430x210x60

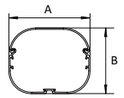


LINE SET COVERS - DURACOVER

- *Material: Weather resistant, UV stabilized, and Flame retardant PVC.*
- *Fixing Screw: Stainless steel*
- *Temperature Range: -4°F to 140°F (-20°C~60°C)*
- *3 year warranty*

DURA DUCTING

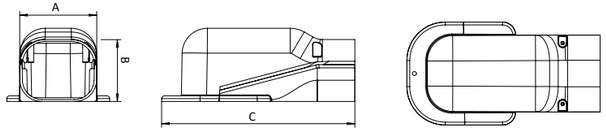






Code	Size (inch)	A (mm)	B (mm)
DD-3	3”	76	61.5
DD-4	4”	101	70

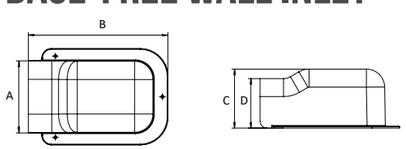
WALL INLET





Code	Size (inch)	A (mm)	B (mm)	C (mm)
DW-3	3”	65.5	81.4	206
DW-4	4”	74	107	223

BASE-FREE WALL INLET

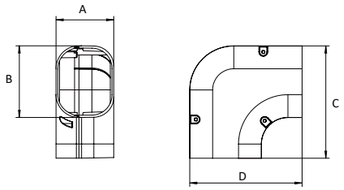




Code	Size (inch)	A (mm)	B (mm)	C (mm)	D (mm)
DWA-3	3”	82	206	78	64
DWA-4	4”	107	206	87	73

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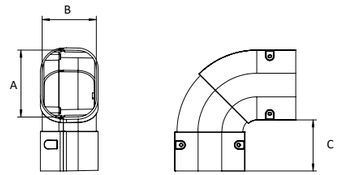
FLAT ELBOW 90





Code	Size (inch)	A (mm)	B (mm)	C (mm)	D (mm)
DF90-3	3”	65.5	81.4	127.4	127.4
DF90-4	4”	74.1	107	151	151

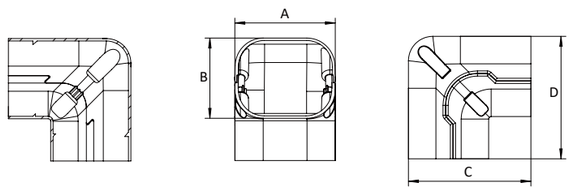
ADJUSTABLE FLAT ELBOW 45-90





Code	Size (inch)	A (mm)	B (mm)	C (mm)
DA-3	3”	81.4	65.5	58.5
DA-4	4”	107	74	58.5

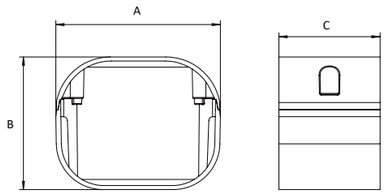
VERTICAL ELBOW 90





Code	Size (inch)	A (mm)	B (mm)	C (mm)	D (mm)
DV90-3	3”	81.4	65.5	100	100
DV90-4	4”	107	74	117	117

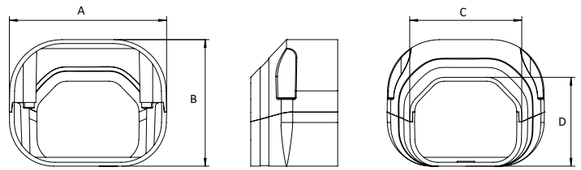
COUPLER





Code	Size (inch)	A (mm)	B (mm)	C (mm)
DC-3	3”	81.4	65.5	50
DC-4	4”	107	74	66

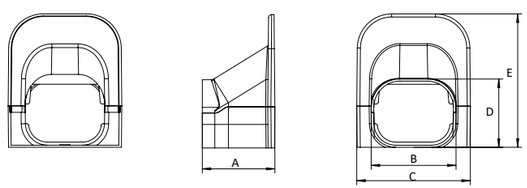
END FITTING





Code	Size (inch)	A (mm)	B (mm)	C (mm)	D (mm)
DE-3	3”	81.4	65.5	58	46
DE-4	4”	107	74	53.2	32

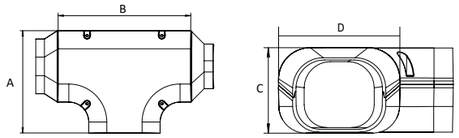
SOFFIT INLET





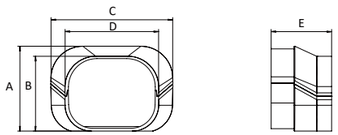
Code	Size (inch)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
DS-3	3”	69.6	81.4	109	65.5	128
DS-4	4”	69.6	107	135	74	136.5

T JOINT





Code	Size (inch)	A (mm)	B (mm)	C (mm)	D (mm)
DT-4	4”	153.4	199	74	107

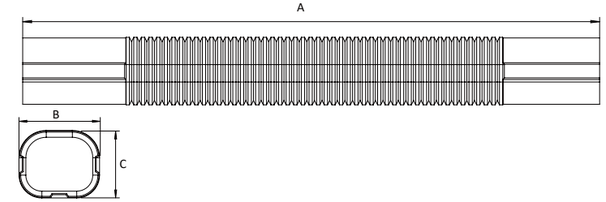




DT4-3

Code	Size (inch)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
DT4-3	4”	74	65.5	107	82	53

FLEXIBLE ELL





Code	Size (inch)	A (mm)	B (mm)	C (mm)
DF-3	3”	530	73	62
DF-4	4”	800	100	70

Color Options

White
RAL 9003

Ivory
RAL 7044

Brown
RAL 6014

Black
RAL 9011



AIR CONDITIONER INSTALLATION KIT - ACIK

ACCESSORIES:

1. Electric wire
2. Bracket
3. Copper insulation tube
4. PVC tape adhesive 0.13/0.14/0.15mm
5. PVC tape non-adhesive 0.13/0.14/0.15mm
6. Corrugated tube single/double layer
7. Wall sleeve
8. Wall cover ring
9. Seal
10. Nylon ties



PPROTECTION COVER FOR EXTERNAL UNIT A - PCEA

- Oxford fabric+PU coating
- Sides secured with Velcro

Code	Dimension (LxWxH)
PCEA760	760x270x560
PCEA800	800x300x600
PCEA850	860x400x700
PCEA950	950x400x850





PROTECTION COVER FOR EXTERNAL UNIT B - PCEB

- Oxford fabric+PVC coating
- One side opening with two fabric ropes fasten

Code	LxWxH(mm)
PCEB700	700x250x550
PCEB810	810x290x560
PCEB840	840x340x640
PCEB860	860x325x840
PCEB945	945x310x610
PCEB970	970x370x750





AC AIR CONDITIONER WASHING BAG CLEANING COVER PCE-C

Code	Dimension
PCEC-700	Circumference 2.4m suitable for 9000-18000BTU A/C UNIT
PCEC-701	Circumference 3.2m suitable for 18000-36000BTU A/C UNIT
PCEC-702	Circumference 2.4m + water tube 2.8m suitable for 9000-18000BTU A/C UNIT
PCEC-703	Circumference 3.2m + water tube 2.8m suitable for 18000-36000BTU A/C UNIT





AIR CONDITIONING WASHING

Code	Description
Q536	include water tube of 2.8m



AIR CONDITIONER DEFLECTOR

Code	Material	HxWxL (mm)
ACD-01	ABS	490x170x40
ACD-02	ABS	440x170x45



CONDENSATION COLLECTING TRAY - CCTY

Code	Size (mm)
CCTY01	350 x 790
CCTY02	350 x 930



AIR CONDITIONING BOTTLE WITH WALL HOLDER - STB

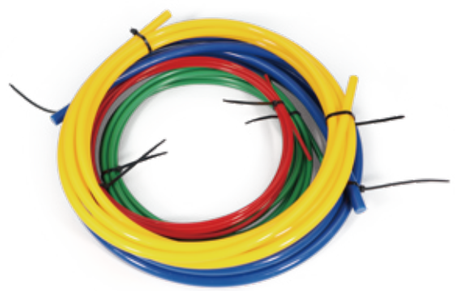
Code	Accessories
STB5L	support + 5L bottle
STB10L	support + 10L bottle



BUILT-IN COPPER TUBE BENDING RUBBER STRIP

Lineset Bender Kit - LBK. The Lineset Bender Kit makes it easy to bend copper linesets without removing the insulation. Designed for soft copper tubing.





Code	Sizes Included (inch)	Bender Length
LBK	1/4, 3/8, 1/2, 5/8 , 3/4, 7/8	4m