



muls, inc.

Muls, Inc.

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THE TOUGHEST JACKET

Resists tearing, cuts clean,
looks great

FULL 1/2" INSULATION

High performance, closed cell
polyethylene sheath

**ASTMB280 TYPE ACR
COPPER**

Avoid further failures by
using non-standard material

**DIFFERENT COIL
LENGTHS**

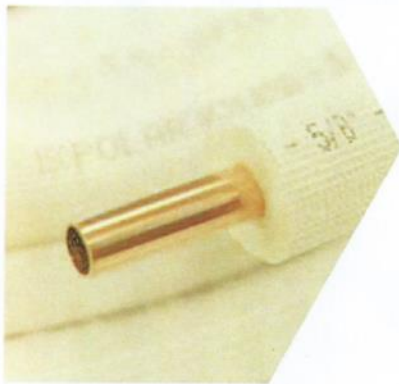
To cover any
installation need

PREMIUM COPPER

No variance in raw materials, 99.9% pure

PRE-INSULATED
COPPER LINE SETS





PRE-INSULATED COPPER LINE SETS

HMAX offers high-quality line sets. Quality line sets DO make a difference with less kinks, secure flares and a more reliable installation.

**PERFECT FOR
TRADITIONAL OR
DUCTLESS
MINI-SPLIT SYSTEMS
USING R410A**



TECHNICAL FEATURES

- Individual pre-insulated rolls to perfectly fit every ductless mini-splits, VRF, heat pumps and unitary systems installation.
- Available in 50ft, 82ft and 164ft with 1/2" insulation thickness and in single or twin pipe.
- All rolls are wrapped in clear film for added protection and marked by the foot for maximum waste reduction.

COPPER PIPE

- Made in accordance with applicable regulations, with clean inside surfaces, phosphorous deoxidized, high residual phosphorous, annealed in coils. Crimped ends to keep the pipe clean until it is installed.
- Minimum Cu $\geq 99.90\%$
- Phosphorous content = $0.015\% \div 0.040\%$
- Approved to ASTM B280
- Perfect for applications where high-pressure gases are used as a refrigeration source.

INSULATION

- Low density closed cells polyethylene foam
- CFC and HCFC damaging-ozone gas free
- Made according to ASTM C 1427-07, type I (tubular), grade I (insulation material for use on typical commercial system non-cross-linked)
- Surface burning characteristics: UL 94, top rated for Surface Burning Characteristics – UL 723 (Flame and Spread Index less than 25 and Smoke Development Index less than 50), ASTM E84 (25/50) compliant and tested in accordance with UL 746A for Ignition Resistance.

SHEATH

- External LDPE foil covering which adheres to a non-flammable base, melts flameless and thus belongs to self-extinguish Class1.
- Marked progressively every foot with product details (pipe and insulation diameters) and production date & time.
- Excellent resistance to water vapor diffusion and substantial reduction of moisture on the outer surface of the pipe.
- Additional protection to foam insulation from tearing during installation process.
- **Exterior insulation must be protected from exterior hazards (ASHRAE 90.1-2013 & IECC- 2015).**



2.5 x 2.5 x 6.5 ft
(W x L x H)

**TIGHT AND SAFE
PACKAGING FOR A
EASY AND SMART
WAREHOUSE LOGISTIC**



TECHNICAL DATA

SINGLE PRE-INSULATED COPPER PIPE COILS



PART NUMBER	PIPE	INSULATION	COIL LENGTH (ft)	COILS/PALLET
ISO14-12-50	1/4"	1/2"	50	22
ISO38-12-50	3/8"	1/2"	50	20
ISO12-12-50	1/2"	1/2"	50	18
ISO58-12-50	5/8"	1/2"	50	16
ISO34-12-50	3/4"	1/2"	50	15
ISO78-12-50	7/8"	1/2"	50	13
ISO14-12-164	1/4"	1/2"	164	12
ISO38-12-164	3/8"	1/2"	164	11
ISO12-12-164	1/2"	1/2"	164	10
ISO58-12-164	5/8"	1/2"	164	9
ISO34-12-82	3/4"	1/2"	82	10
ISO78-12-82	7/8"	1/2"	82	10

DOUBLE PRE-INSULATED COPPER PIPE COILS



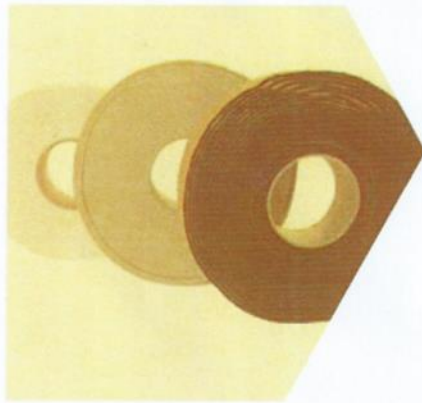
PART NUMBER	PIPE	INSULATION	COIL LENGTH (ft)	COILS/PALLET
BI14X38-12-50	1/4" + 3/8"	1/2"	50	14
BI14x12-12-50	1/4" + 1/2"	1/2"	50	12
BI14x58-12-50	1/4" + 5/8"	1/2"	50	12
BI38x12-12-50	3/8" + 1/2"	1/2"	50	12
BI38x58-12-50	3/8" + 5/8"	1/2"	50	11

Tested in accordance with
UL 94, UL 723A, UL 746A



ASTM B280





LINE SETS ACCESSORIES

ISOTAPE

Highly flexible **white polyethylene band**, physically cross-linked, with compliant thermal conductivity. Strong adhesive surface.

It is manufactured without the use of chlorofluorocarbons that are harmful to the environment.

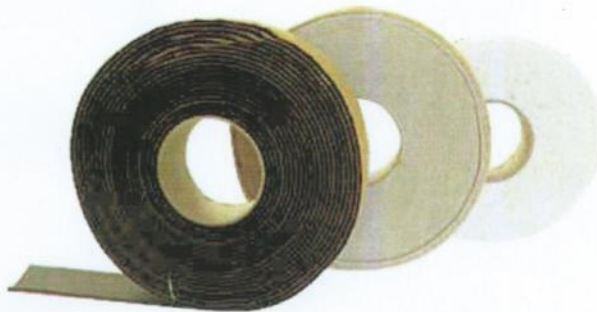
Technical characteristics guarantee excellent insulation and control of condensation.

Also available in **black closed cells elastomer (rubber)**.

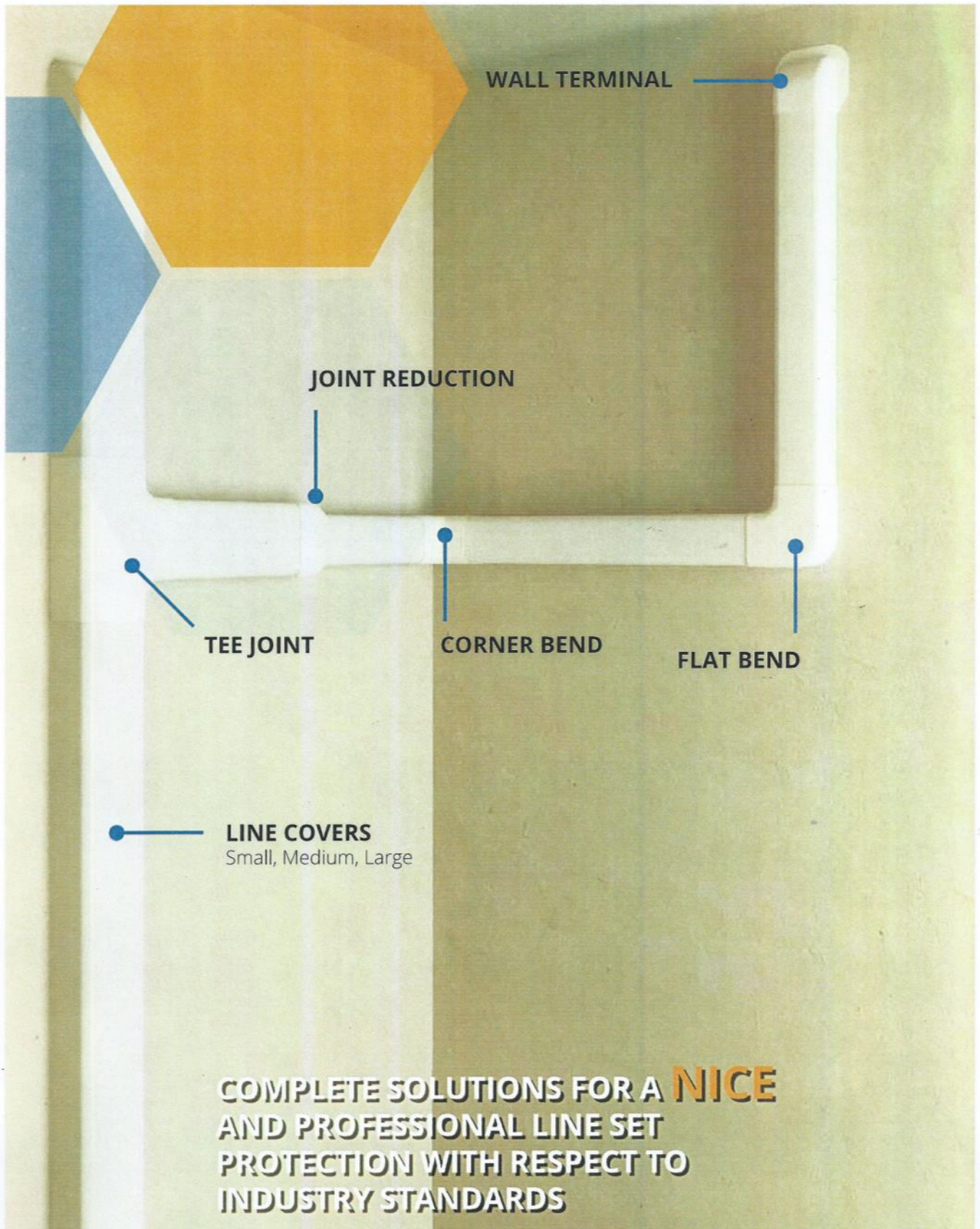
**HIGHLY SUGGESTED
AS FINISHING
ELEMENT ON
DUCTLESS
MINI-SPLIT
INSTALLATIONS.**

TECHNICAL FEATURES

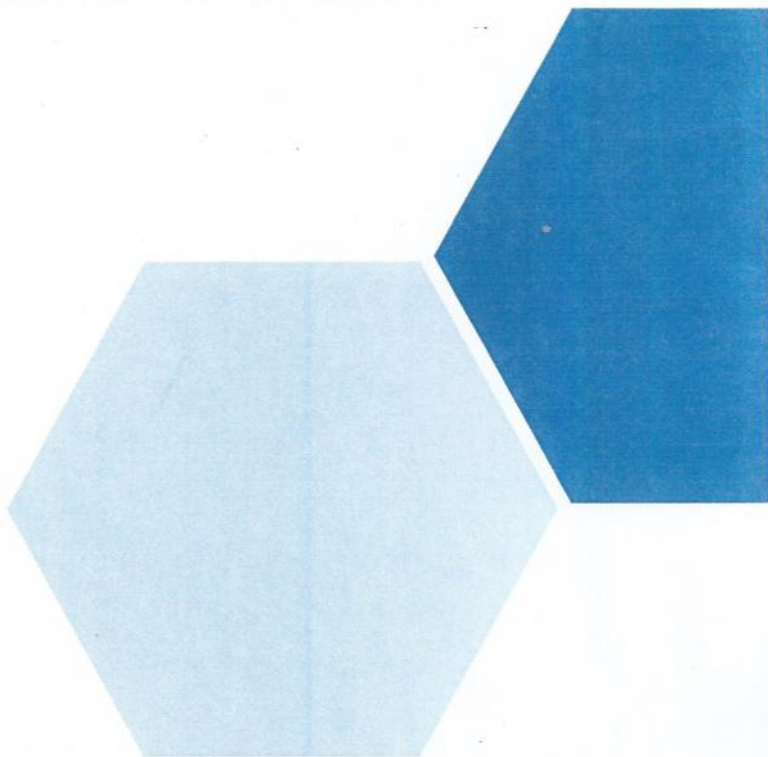
- **THERMAL CONDUCTIVITY:**
0,0372 W/mK (at 40°C)
- **WATER VAPOR PERMEABILITY:**
2192 μ (DIN 52615)
- **COMPRESSION STRENGTH:**
190g/cm² (at 10%)
- **WATER ABSORPTION:**
<2% of volume (after 28 days)
- **ADHESIVE:** synthetic rubber
- **LINER:** silicone coated paper
- **APPLICATION TEMPERATURE RANGE:** from -20°F to 175°F

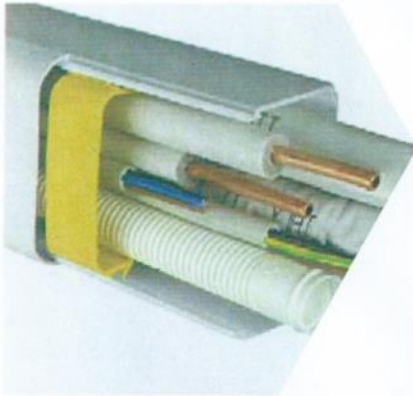


WHITE POLYETHYLENE TAPE	
ISOTAPE-WH	24 Roll/Box - 24 Box/Pallet Width: 2" Length: 30 ft Use ISOTAPE-WH with WHITE polyethylene insulation. Perfect match with ISO line sets.
BLACK ELASTOMERIC INSULATING TAPE	
ISOTAPE-BK	24 Roll/Box - 24 Box/Pallet Width: 2" Length: 30 ft Use ISOTAPE-BK for conventional black rubber insulation



NICE™ COVER SYSTEM

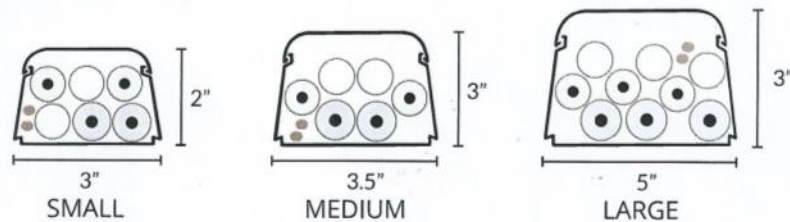




NICE™ COVER SYSTEM

AVAILABLE IN 6.5 FOOT LENGTHS

Available Configuration Sizes



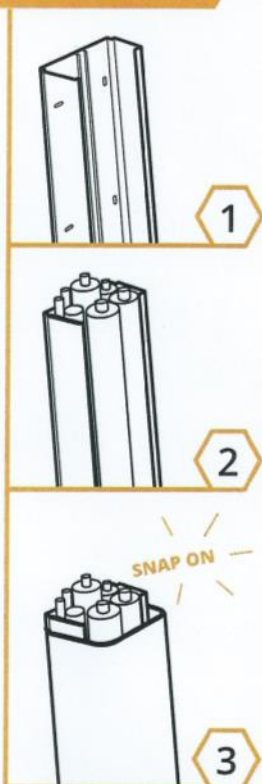
FAST & EASY
INSTALLATION

SNAP-ON SYSTEM

NO SCREWS
REQUIRED

TECHNICAL FEATURES

- Components easily connect with one click.
- No screws are required.
- Fast, easy one-man installation.



DURABLE

Material is strong, light and highly resistant to cracking, crushing or chipping.



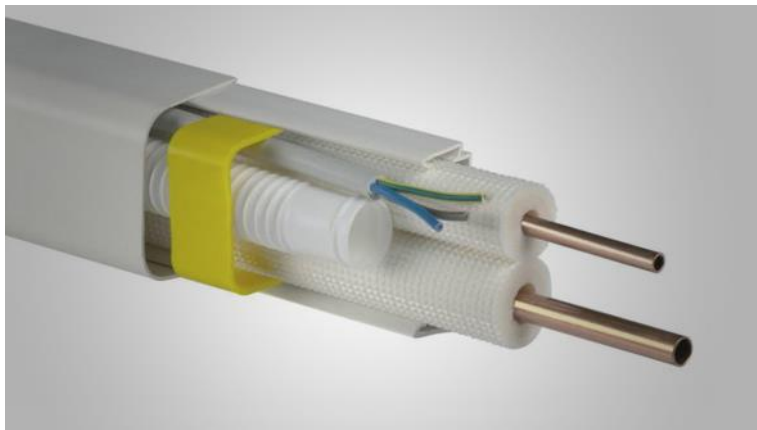
PAINTABLE

Component base color is RAL9010 and can be painted to match any installation environment.



UV RETARDANT AND TEMPERATURE RESISTANT

Won't fade, crack or break down, even in extreme temperatures.



Available in
6.5 foot lengths

Components
easily connect
with one click.

No screws
are required.

Fast, easy **one-man**
installation.

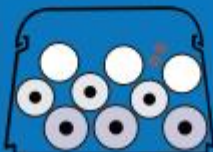
Available
Configuration Sizes




3" x 2"










3.5" x 3"



5" x 3"

	NICE™ DUCT	
	NICE-DUCT-SM	3" x 2" (Width x Height)
	NICE-DUCT-M	3.5" x 3" (Width x Height)
	NICE-DUCT-LG	5" x 3" (Width x Height)
	TUBING SUPPORT	
	NICE-TS-SM	3" x 2" (Width x Height)
	NICE-TS-M	3.5" x 3" (Width x Height)
	NICE-TS-LG	5" x 3" (Width x Height)
	UPPER CONNECTOR	
	NICE-UC-SM	3" x 2" (Width x Height)
	NICE-UC-M	3.5" x 3" (Width x Height)
	NICE-UC-LG	5" x 3" (Width x Height)
	WALL DUCT	
	NICE-WD-SM	3" x 2" (Width x Height)
	NICE-WD-M	3.5" x 3" (Width x Height)
	NICE-WD-LG	5" x 3" (Width x Height)
	CORNER BEND 90°	
	NICE-CB-SM	3" x 2" (Width x Height)
	NICE-CB-M	3.5" x 3" (Width x Height)
	NICE-CB-LG	5" x 3" (Width x Height)

	ELBOW BEND 90°	
	NICE-EB-SM	3" x 2" (Width x Height)
	NICE-EB-M	3.5" x 3" (Width x Height)
	NICE-EB-LG	5" x 3" (Width x Height)
	END DUCT TERMINAL	
	NICE-ED-SM	3" x 2" (Width x Height)
	NICE-ED-M	3.5" x 3" (Width x Height)
	NICE-ED-LG	5" x 3" (Width x Height)
	FLAT BEND	
	NICE-FB-SM	3" x 2" (Width x Height)
	NICE-FB-M	3.5" x 3" (Width x Height)
	NICE-FB-LG	5" x 3" (Width x Height)
	WALL TERMINAL	
	NICE-WT-SM	3" x 2" (Width x Height)
	NICE-WT-M	3.5" x 3" (Width x Height)
	NICE-WT-LG	5" x 3" (Width x Height)
	TEE JOINT	
	NICE-TJ-M	3" x 2" (Width x Height)
	NICE-TJ-LG	3.5" x 3" (Width x Height)
	JOINT REDUCTION	
	NICE-RD-M	3.5" x 3" to 3" x 2" (Width x Height)
	NICE-RD-LG	5" x 3" to 3.5" x 3" (Width x Height)
	FLEXIBLE SLEEVE	
	NICE-FS-M	3" x 2" (Width x Height)
	NICE-FS-LG	3.5" x 3" (Width x Height)



Paintable

Component base color is RAL9010 and can be painted to match any installation environment.

Durable

Material is strong, light and highly resistant to cracking, crushing or chipping.



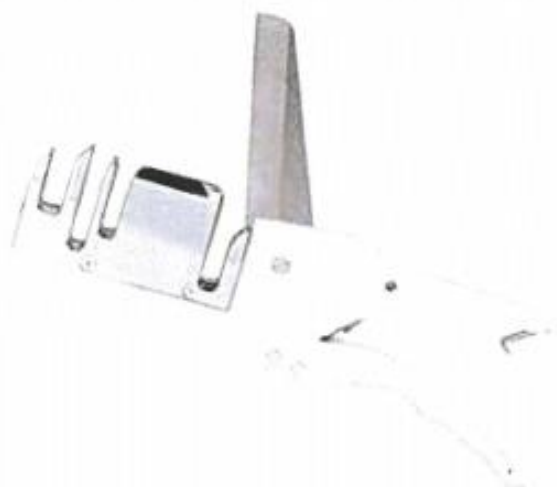
UV Ray and Temperature Resistant

Won't fade, crack or break down-even in extreme temperatures

LINE COVERS CUTTER

NICE-DC

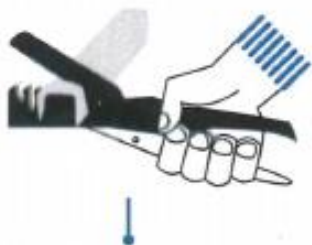
1 piece / box



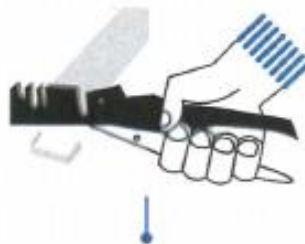
UNIVERSAL line cover cutter, used for a faster and easier air conditioning installation. Both lid and base are supported while being cut, preventing any deformation, and enabling precision cutting, with no imperfections. Blade is interchangeable (available separately) and can also be easily removed to be sharpened.



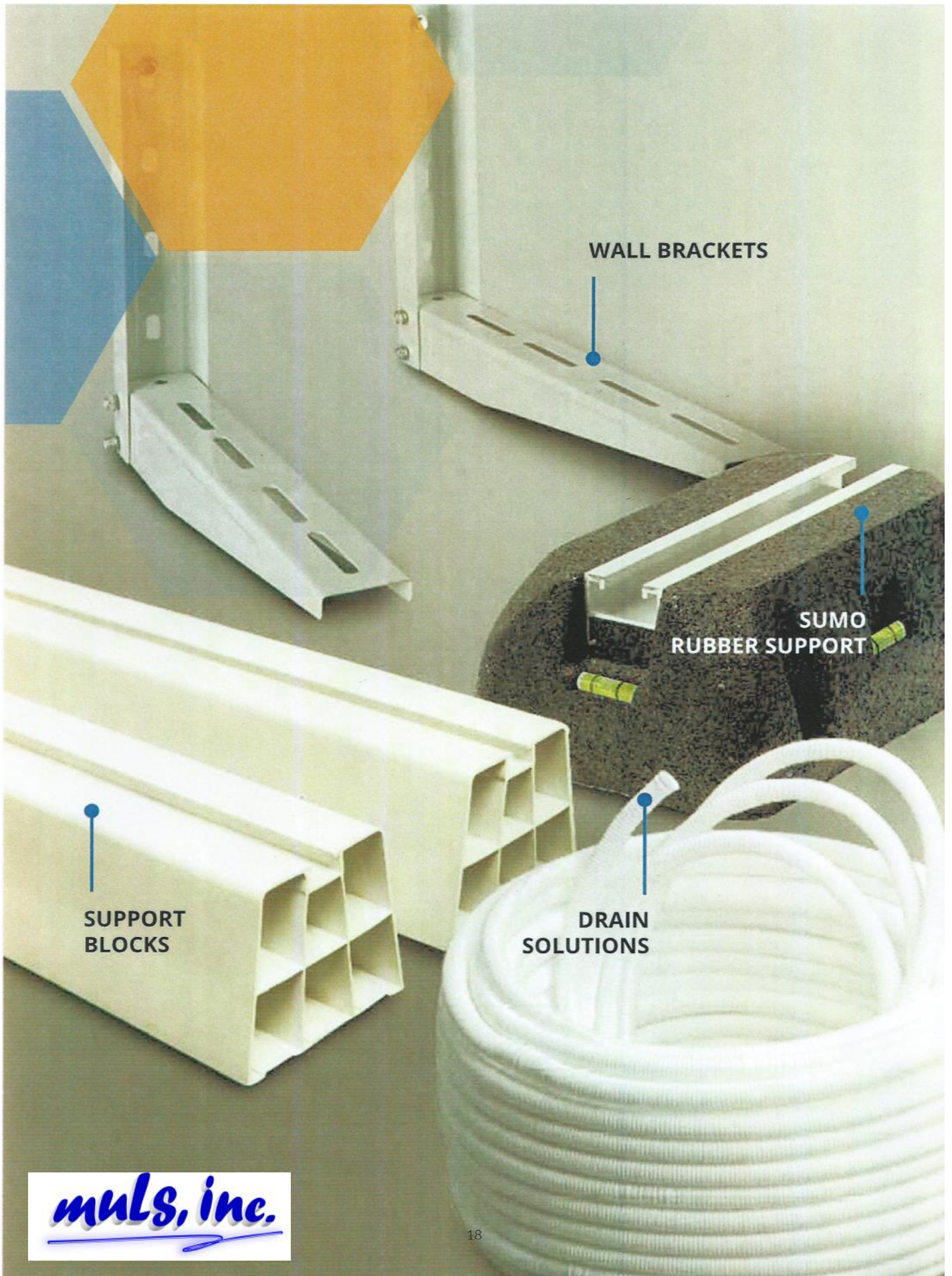
Place the base and the cover in the appropriate slot



Slowly start to cut the plastic profiles



Enjoy the sharp cut for a quick and neat installation.



DRAINS, SUPPORTS & BRACKETS





DRAINS, SUPPORTS & BRACKETS

DRAINS

HMAX stocks a wide range of hoses, fittings and accessories for secure, effective drainage of condensate water.

The flexible, corrugated drain hoses are manufactured with high-quality Polypropylene, stabilized against UV rays and highly resistant to cracking and micro-perforations.

Drain hoses are produced with male/female joints at 3-foot intervals and designed to seal perfectly with the provided gasket set (10 pcs per box).

Supplied in 164' coil in a heavy-duty carton.



DURABLE

Material is strong, light and highly resistant to cracking, crushing or chipping.

TECHNICAL FEATURES

- Stabilized Propylene
- No Cracks. No Perfs.
- Gasket Sets included make PERFECT seals

TECHNICAL DATA



FLEXIBLE CONDENSATE DRAIN PIPE

FDH-58	Internal Ø : 5/8"
FDH-34	Internal Ø : 3/4"



NO KINKS

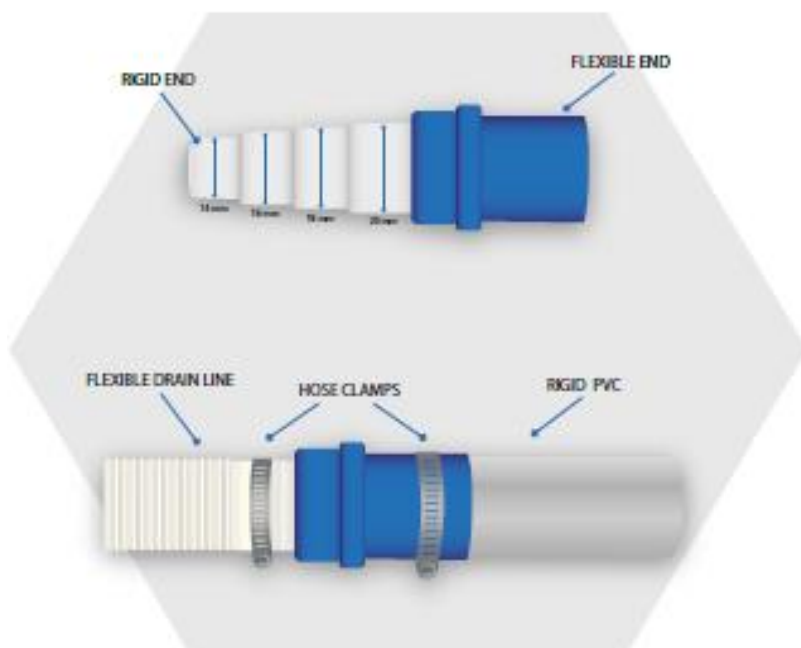
THREE-WAY CENTRAL JOINT



TWJ-58	Diameter : 5/8"
TWJ-34	Diameter : 3/4"

TECHNICAL DATA

	RC-34	DRAIN HOSE REPAIR COUPLING Diameter: 3/4" Easy repair along the length of the corrugated hose. Provided with four rubber gaskets.
	FRC-34	FLEX/RIGID CONNECTION FITTING Diameter: 3/4" Easy connect flex to rigid drain pipes. Provided with two rubber gaskets.
	FRR-01	FLEX/RIGID DRAIN PIPE REDUCTION Connects the corrugated drain hose to rigid pipe.



ADAPTER FITTINGS		
PART #	Flexible end dimension	Flexible end color
AF-16	16 mm	Yellow
AF-18	18 mm	Red
AF-20	20 mm	Blue
AF-25	25 mm	Green
AF-32	32 mm	Gray



DRAINS, SUPPORTS & BRACKETS

SLIMBOX

The SLIMBOX is an unique solution for all new building and renovation projects, where ductless mini-split pipes are roughed-in the wall during the various construction steps.

Extremely easy to be positioned, it fits perfectly between wood or metal studs at 16" center, thanks to its side wings which allow a horizontal or vertical displacement up to the optimal positioning.

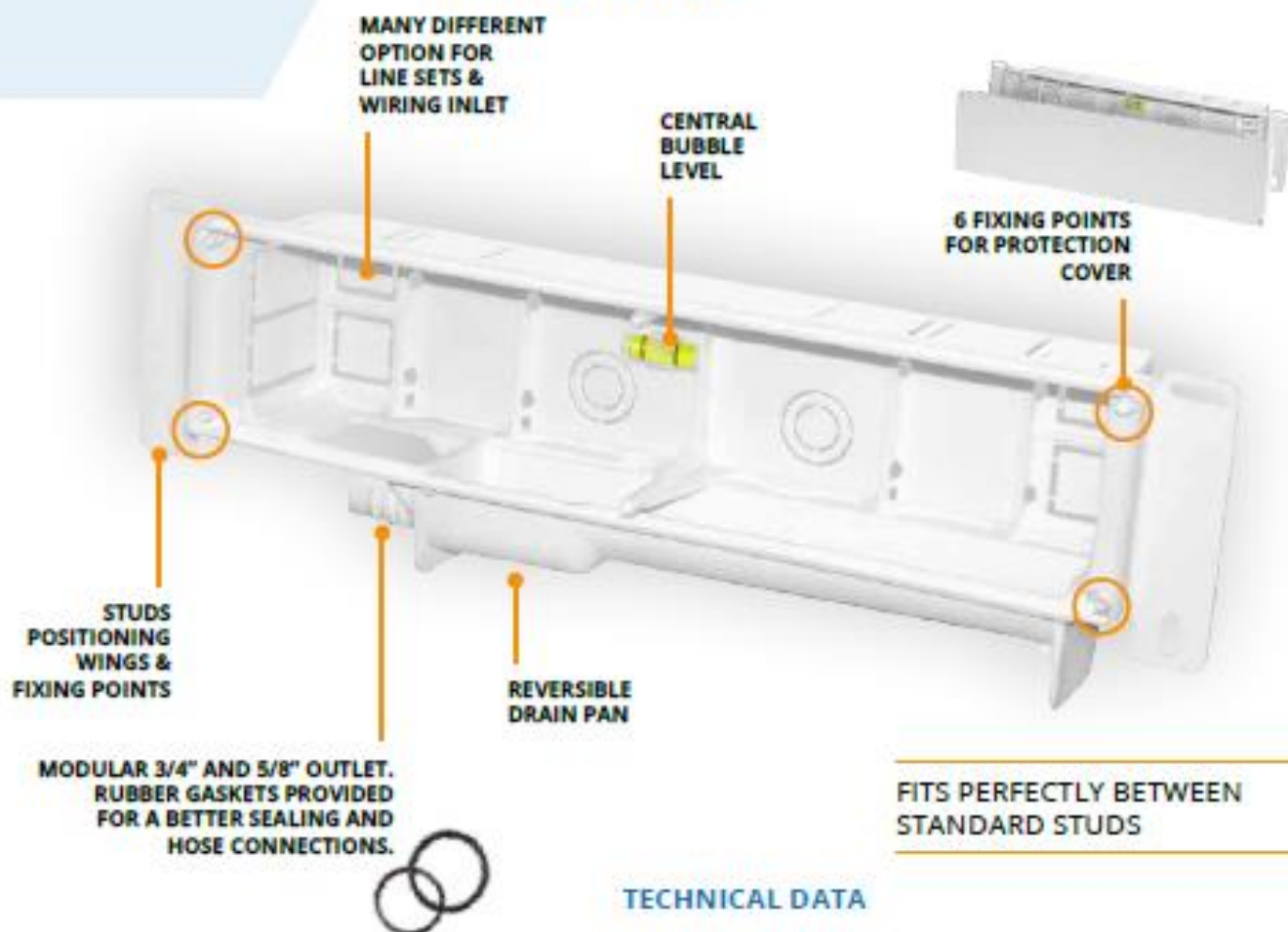
Safe and fast to install thanks to the support feet and the central bubble level included.

Robust and durable, the box is equipped with a reversible inclined bottom tray for the discharge of the condensate water and provided with a 3/4" and 5/8" outlet.

The box is also equipped with an innovative siphon system which opens/closes the drain depending on the water quantity in the pan.

Complete with mounting screws and protection cover to prevent damages or dust deposits during construction.

TECHNICAL FEATURES



TECHNICAL DATA

SLIMBOX	16" x 4.5" x 3" (Width x Height x Depth)
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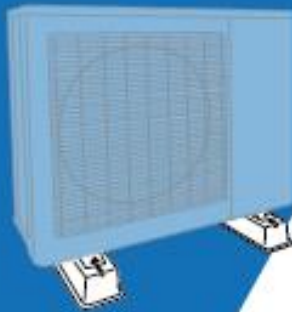


DRAINS, SUPPORTS & BRACKETS

GROUND SUPPORTS

Full range of support, perfect to protect condenser units from outdoor elements, giving a minimum clearance from the ground/roof.
Also used to rise and support piping systems.

INSTALLATION EXAMPLE



TECHNICAL FEATURES

- Produced in high quality UV stabilized polymers
- Complete with bolts, nuts, and washers that can be easily adjusted for different purposes
- Unitary plastic molded construction with closed ends
- Units can stack for compact transportation

TECHNICAL DATA



POLYMER RISERS (SPECIAL PACKAGE)

FS-PVC-PAIR

18" x 4" (L x H)
350 lbs/piece MAX capacity
Packaged in boxes of 2 pieces with adhesive strips and end caps and mounting hardware.



PPS-16

RIZERS
16" x 3" (L x H)
260 lbs/piece MAX capacity.
Provided with mounting hardware.



POLYMER RISERS

FS-PVC-LG

39" x 4" (L x H)
350 lbs/piece MAX capacity
Provided with mounting hardware.



DRAINS, SUPPORTS & BRACKETS

SUMO SUPPORTS

SUMO supports are made of 100% recycled rubber with a built-in aluminum channel on all size options, for premium strength, stability and rust prevention.

The bubble levels provided help with perfect positioning on any surface, and the hardware included help to save time on installation.

Thanks to the material used, the support does not penetrate roofs and has no sharp or abrasive edges.

SUMO is your total solution for any rooftop and ground applications such as piping, HVAC equipment, solar panels systems, ducts, rooftop walkway systems, conduit, pipe hangers, cable tray supports and much more.



**LET US ABSORB
YOUR NEGATIVE
VIBRATIONS**

SUMO BENEFITS

- Made from 100% recycled rubber
- Wide range of length options available – from 10" to 39"
- Working conditions - 40 F / +180 F
- Built-in aluminum channel & bubble levels included
- Standard UNISTRUT size for all standard clamps & collars
- No holes underneath, full of material for better stability
- Dampens vibrations and noise
- UV resistant
- Suitable for any type of roofing materials or other flat surfaces
- Quick and simple install





SUMO SUPPORT

SUMO-SM	10" x 3.5" (L x H)	Capacity: 350 lbs
SUMO-M	18" x 3.5" (L x H)	Capacity: 570 lbs
SUMO-LG	23" x 3.5" (L x H)	Capacity: 1050 lbs
SUMO-XL	39" x 3.5" (L x H)	Capacity: 1400 lbs



SUMO RISER

SUMO-LG-H	23" x 4.5" (L x H)
SUMO-XL-H	39" x 4.5" (L x H)

Interlocking rubber bricks used to lift the SUMO blocks and increase the height of support, providing an extra vibration absorption layer. Easy and fast assembly.



DRAINS, SUPPORTS & BRACKETS

BRACKETS

HMAX carries a wide range of HVAC mounting equipment. The innovative, proven solutions for wall, rooftop and ground installations are designed by professionals, for professionals.

Brackets come partially assembled for fast, easy assembly. Bubble level, anti-vibration mounts and certified hardware are included on applicable

models for safe, professional installation. Support arm lengths are fully compatible with all manufacturers' specifications, to comply with wall-to-unit air circulation standards.

Vibration absorber kits are available for all bracket sets as well. These high-quality absorbers made of vulcanized natural rubber, come ready to mount with hardware included.

UP TO
700 lbs
LOAD CAPACITY

TECHNICAL FEATURES

- Electro-galvanized steel with varnish finish (Ral9002) or stainless steel
- Partially assembled for fast and easy setup
- Proven solutions for rooftop, walls and ground
- Fully compatible with all manufacturers' specifications to comply with wall-to-unit air circulation standards.

CENTRAL BUBBLE LEVEL
FOR AN EASY AND FAST
POSITIONING



ATENA PRE-MOUNTED BRACKETS WITH LEVEL

AWB-500	24" x 16" x 31" (D x H x W)	Capacity: 500 lbs
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COMBINE THE BRACKETS WITH THE
APPROPRIATE VIBRATION ABSORBERS.

See Next Page for More Info

HERCULES HEAVY DUTY WALL BRACKETS

HWB-700	20" x 16" (D x H)	Capacity: 700 lbs
HSSWB-700	Stainless steel 20" x 16" (D x H)	Capacity: 700 lbs

COMBINE THE BRACKETS WITH THE
APPROPRIATE VIBRATION ABSORBERS.

See Next Page for More Info





ROOF BRACKET

RB-330

Dimensions: 31" x 19" (W x D)
Adjustable slope from 15° to 30°
Capacity: 330 lbs



Innovative ductless mini-split stand for residential or light commercial installations. Composed by an electro-galvanized frame and four adjustable wide feet, made of fiberglass for great resistance to low temperatures, allowing a higher installation or a perfect levelling due to an uneven surface. Provided with complete mounting hardware.

ATLAS+ CONDENSERS STAND

GB-550+

MIN. 18" x 14" x 24" (D x H x W)
MAX: 18" x 20" x 34" (D x H x W)
Capacity: 550 lbs



VIBRATION ABSORBERS FOR WALL BRACKETS

BVD-180

Capacity:
Up to 180 lbs/piece

Kit of 4 pieces

BVD-220

Capacity:
Up to 220 lbs/piece

Kit of 4 pieces

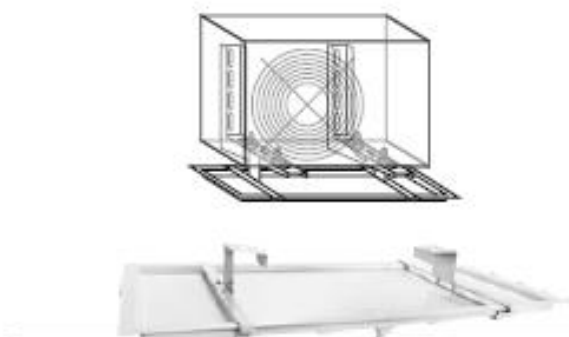


VIBRATION ABSORBERS (ROOF/GROUND APPLICATIONS)

GVD-220

Capacity:
Up to 220 lbs/piece

Kit of 4 pieces



PVC CONDENSATE WATER CONNECTION TRAY FOR WALL BRACKETS

CWT-SM

31" x 15" (W x D)

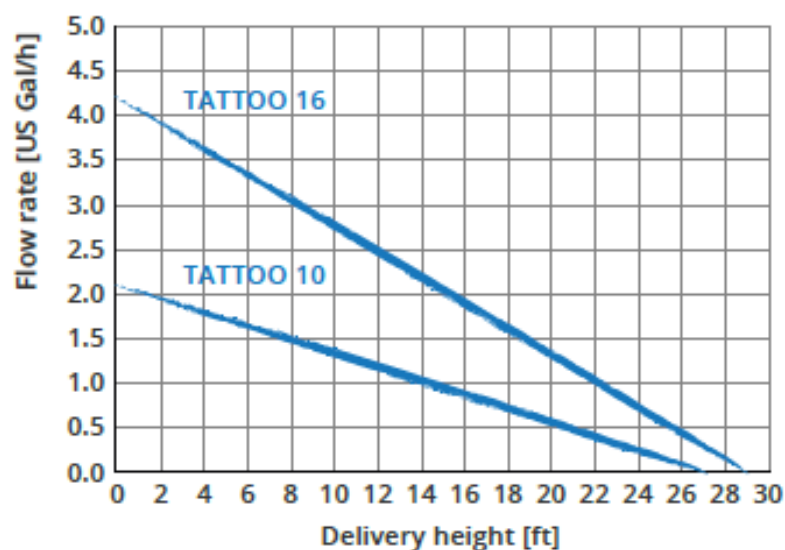
CWT-LG

37" x 16" (W x D)

NOISE TESTS PERFORMED BY LABEL THE PUMP THE MOST SILENT DEVICE AVAILABLE IN THE MARKET

TECHNICAL DATA

DESCRIPTION	TATTOO10	TATTOO 16
Max flow rate	2.1 gal/h	4.3 gal/h
Flow rate at 3 ft	1.9 gal/h	3.8 gal/h
Flow rate at 10 ft	1.4 gal/h	2.8 gal/h
Max dry suction height	3.3 ft	3.3 ft
Max wet suction height	6.6 ft	6.6 ft
Max delivery height	28 ft	29.5 ft
Alarm contact	NO/NC-120v / 8A	NO/NC-120v / 8A
Pump dimensions	5.9" x 2.2" x 1.1"	5.9" x 2.2" x 1.1"
Sensor unit dimensions	3.2" x 1.6" x 1.6"	3.2" x 1.6" x 1.6"
Weight	15.5 oz	15.5 oz
Power supply	120v or 230v	120v or 230v
Noise level	16.4 dBA	22 dBA



Tested at 120V/60 Hz
with water at 68°F



CONDENSATE PUMPS



GO SERIES

- The GO series is a reliable super-compact pump that fits in every situation & environment
- Check valve provided & NC alarm contact
- 5ft communication wire
- Delivered complete with mounting accessories - ready to use



**COMPACT
DIMENSION
FOR HIGH
PERFORMANCE**

SUITABILITY

- Mini-Split, multi-split and VRF/VRV systems
- High wall split systems, Ducted units, Floor standing, and Chassis units
- **GO10** is for air conditioner systems up to 36,000 BTU 3 tons
- **GO 16** is for air conditioner systems up to 54,000 BTU 5 tons

CONTENTS



- GO pump body (1)
- Plug & Play detection unit with 5ft communication wire (2)
- Connection elbow (3)
- Ventilation tube (4)
- Check valve (5)
- Fixing screws and anchors (6)
- Double sided foam adhesive (7)

INSTALLATION OPTIONS

