

DUCTLESS ACCESSORIES **COMPLETE** SOLUTIONS



## THE **HMAX** ADVANTAGE

HMAX provides the highest-quality performance HVAC installation accessories coupled with national distribution and premium support for the HVAC and HVACR industry. Headquartered in New York, the company's flagship products are ISO and ISOTECH UV pre-insulated copper linesets, condensate pumps, cover systems / drains, condenser supports, refrigeration ball valves, fittings and additional accessories. HMAX is a leading supplier of high-efficiency, innovative equipment and accessories for ductless mini-split installations as well as residential unitary and light commercial applications.

HMAX's mission is to make it easy for our wholesaler and distributor partners by providing the highest-quality, reliable minisplit system accessories that work together from a single, controlled manufacturing/supplier source. We utilize our representative network to deliver HVAC product availability and supply chain cost advantages for our customers while providing quick and reliable customer service and support through our business development and marketing teams.

For the global market, HMAX provides manufacturers with a dedicated U.S. distribution channel backed by strong relationships and decades of industry knowledge and insight.

HMAX makes it easy for contractors by providing a full line of the highest-quality, durable, innovative HVAC parts and ductless system accessories from a single source. This allows for increased access to advanced products, with the highest quality and competitive pricing. Our mission saves installation time, stress and money from unnecessary customer callbacks and offers exceptional customer support from industry professionals. We provide contractors with the resources they need to meet any and all of their customer needs.

HMAX is committed to delivering superior value, the highest quality products with unmatched performance and exceptional service to our partners every day.

### HMAX - Quality HVAC Accessories Call: 1-844-500-HMAX

Email: info@hmax.com

© 2025 HMAX | All rights reserved. Subject to change without notice.





 $\mathsf{-MA}$ 

### **DISTRIBUTOR BENEFITS**

- Supply chain cost advantages from single, controlled source
- Product availability and warehousing
- Robust representative support network

### **CONTRACTOR BENEFITS**

- Less repair calls and less headaches
- Providing higher quality product gives the installer a better reputation
- Less time wasted on long diagnosis and repairs
- More time for additional jobs
- Lineset replacement is messy and time consuming for you and homeowner

### **HOMEOWNER BENEFITS**

- Less down-time and headaches
- System protection and efficiency by surrounding it with the highest quality accessories
- Support from a quality company that stands behind their products



### SCAN FOR SKU and ORDERING

or go to: <u>HMAX.com</u>

Full catalog available for special order.

## TABLE OF CONTENTS DUCTLESS SOLUTIONS











#### **PRE-INSULATED COPPER LINESETS**

| ISOTECH UV  | 3 |
|-------------|---|
| ISOPOLAR    | 5 |
| ACCESSORIES | 6 |

UNIMAX 7

#### **CONDENSATE PUMPS**

| FREEZY        | 9  |
|---------------|----|
| TATTOO SERIES | 10 |
| RAPIDO SERIES | 11 |
| STORMLIFT     | 12 |

#### **COVER SYSTEMS AND DRAINS**

| NICE COVER SYSTEM               | 13 |
|---------------------------------|----|
| ACCESSORIES                     | 14 |
| NICE DRAIN HOSE AND ACCESSORIES | 15 |
| SLIMBOX ROUGH-IN BOX            | 16 |

#### **CONDENSER SUPPORTS AND ACCESSORIES**

|   | SUMO RUBBER SUPPORTS            | 17 |
|---|---------------------------------|----|
| • | ORION MODULAR FOOT              | 18 |
|   | MAX BRACKETS                    | 19 |
|   | HERCULES WALL AND ROOF BRACKETS | 20 |
| • | MOUNTING BLOCKS                 | 20 |
| • | CONDENSER'S ACCESSORIES         | 21 |
| • | MAX ROOF CONDENSER COVER        | 22 |

#### **REFRIGERATION BALL VALVES AND FITTINGS**

|   | BALL VALVES           | 23 |
|---|-----------------------|----|
|   | ODS X ODS CONNECTIONS | 24 |
| • | COPPER TUBE           | 25 |
|   | MAXFLARE FITTING      | 26 |

LINESET COMPARISON

27

### WHY CHOOSE ISOTECH UV LINESETS



Whether it's for mini-split, residential unitary, heat pump or light commercial installations, choose the lineset that offers premium quality and performance - available in 1/2" thickness with 3 coil lengths - 50', 82', 164'.

### 1. Prevent Costly Calls with the BEST Coated Copper Pipe

Superior, anti-corrosive coated, 99.90% min. copper tubing that's free from leak and kink-causing imperfections as well as formicary corrosion. Stay protected with the ONLY coated copper tube in the industry while saving time and money with less service calls

 $|| \vee | \Delta$ 

### 2. Flexible Insulation Easily Fits Any Application

Flexible foam insulation bends easily to fit any installation

### 3. UV & Tear Resistant Tuff Jacket

Tough, tear-free quality that is resistant to sunlight and equipment maintenance

### 4. Quick and Easy Install with Less Service Calls

No field-applied coating or jacketing needed

### Products are made to meet requirements of ASTM B1003

| ISOTECH UV Lineset | Features  |
|--------------------|---|
| $\checkmark$       | Image: Weight Wight Wig |
| $\checkmark$       | Superior certified R-Values<br>to meet city codes and regulations   |
| $\checkmark$       | Certified 99.9% pure ASTM B280 copper   |
| $\checkmark$       | Formicary corrosion resistant<br>(moisture, oxygen and VOCs)  |
| $\checkmark$       | Protective polymer coated copper  |
| $\checkmark$       | Quick and easy install - No field-applied<br>coating or jacketing   |

(1) External UV-resistance tested according to ASTM standard to evaluate the impact of UV exposure on its mechanical properties, showing no degradation. Tested in accordance of UL94, to be top rated for Surface Burning Characteristics. Rated for plenum applications.

| SINGLE-PIPE COILS ORDERING GUIDE |              |                         |                |                     |  |  |
|----------------------------------|--------------|-------------------------|----------------|---------------------|--|--|
| Part Number                      | Pipe<br>Size | Insulation<br>Thickness | Coil<br>Length | Coils Per<br>Pallet |  |  |
| ISOTECHUV14-12-50                | 1/4"         | 1/2"                    | 50'            | 22                  |  |  |
| ISOTECHUV38-12-50                | 3/8"         | 1/2"                    | 50'            | 21                  |  |  |
| ISOTECHUV12-12-50                | 1/2"         | 1/2"                    | 50'            | 18                  |  |  |
| ISOTECHUV58-12-50                | 5/8"         | 1/2"                    | 50'            | 17                  |  |  |
| ISOTECHUV34-12-50                | 3/4"         | 1/2"                    | 50'            | 16                  |  |  |
| ISOTECHUV78-12-50                | 7/8″         | 1/2″                    | 50′            | 13                  |  |  |
| ISOTECHUV14-12-164               | 1/4"         | 1/2"                    | 164'           | 12                  |  |  |
| ISOTECHUV38-12-164               | 3/8"         | 1/2"                    | 164'           | 13                  |  |  |
| ISOTECHUV12-12-164               | 1/2"         | 1/2"                    | 164'           | 10                  |  |  |
| ISOTECHUV58-12-164               | 5/8"         | 1/2"                    | 164'           | 10                  |  |  |
| ISOTECHUV34-12-82                | 3/4"         | 1/2"                    | 82'            | 11                  |  |  |
| ISOTECHUV78-12-82                | 7/8"         | 1/2"                    | 82'            | 11                  |  |  |

#### **Technical Specifications**

- Superior insulation Flexible low-density, closed-cell polyethylene insulation with low thermal conductivity and a high resistance to moisture vapor intrusion
- Durable, multi-layer protection -Tear, equipment maintenance and UV resistant jacket combined with THE ONLY polymer protective coating applied to the 99.90+ % pure copper tubing
- Code compliance Meets outdoor exposure requirements outlined by the IECC and ASHRAE code
- Corrosion and fire resistant Resistant to fire and formicary corrosion including moisture, oxygen and harmful VOCs
- Quick and easy install Coating comes standard, so no field-applied coating or jacketing required



#### ASTM G154 ACCELERATED OUTDOOR AND UV ENVIRONMENTAL TESTING DIGITAL VIEWS

| 1000 Hour Test | 2000 Hour Test | 3000 Hour Test | Coated/Uncoated                          |
|----------------|----------------|----------------|--|
|                |                |                | <b>Isotech UV</b><br>Coated and nsulated |

**ABOVE**: The insulation and outer jacket of the Isotech UV product has been tested under the ASTM G154. Specimens were exposed as per ASTM G154 Cycle

1 - Standard Practice for performing accelerated outdoor weathering of nonmetallic materials using concentrated natural sunlight (Ultraviolet Lamp Apparatus) showing no signs of degradation on the external sheath.



4 | © 2025 HMAX | Information subject to change without notice. | Visit HMAX.com or contact: 1-844-500-HMAX | info@hmax.com

### WHY CHOOSE ISOPOLAR LINESETS



### 1. Consistently Specified by Engineering Firms

 $|| \vee | \Delta$ 

Regarded as some of the toughest and most reliable linesets available for commercial applications

### 2. Superior ASTM B280 Copper

Free of imperfections that cause leaks and kinks, ISO lineset copper is produced from our proprietary foundry

### 3. Tear Resistant Jacket

Tough, white sheathing is highly resistant to tearing but trims clean saving time and money with less service calls

### 4. Quality Above All

ISO linesets outperform the competition by keeping quality as the number one priority

### 5. Safe, Non-Corrosive Insulation

ISOPOLAR's PE insulation classifies as an A+ for emission, and deemed harmless to copper pipe



Preferred by HVAC professionals for mini-split, residential unitary, heat pump and light commercial installations. ISO makes every job look cleaner and is available in 1/2", 3/4" and 1" thicknesses with 3 coil lengths – 50', 82', 164'.

| 5                              | int when when an  |                  |            |  |
|--------------------------------|---|------------------|------------|--|
| and the second                 | stat wat not bet at an max  | ISOPOLAR Lineset |            | Features   |
| ACK +MAX                       | AND   | $\checkmark$     | Ŵ          | Reliable, closed-cell polyethylene insulation with tear-resistant sheath |
| to the                         | A DECEMBER OF THE DECEMBER OF | $\checkmark$     | $\bigcirc$ | Crimped ends to keep inside surfaces<br>clean prior to installation      |
| or the or                      | Products are  | $\checkmark$     |            | Superior material -<br>ASTM B280 type ACR copper                         |
| t at market of the transfer of | made to meet<br>requirements of<br>ASTM B1003   | $\checkmark$     |            | Durable jacket marked by the foot for<br>maximum waste reduction         |
| at at an at a                  | Tight, protective<br>packaging for<br>efficient storage   | $\checkmark$     | ١          | High resistance to moisture and water-vapor intrusion                    |
|                                | oduct certifications<br>vailable upon request.  | $\checkmark$     | Ö          | Quick and easy install - No field-applied<br>coating or jacketing        |
| u                              | valiable apolitiequest.   |                  |            |  |

| SINGLE-PIPE COILS ORDERING GUIDE |  |                         |                |                     |  |  |
|----------------------------------|--|-------------------------|----------------|---------------------|--|--|
| Part Number                      | Pipe<br>Size   | Insulation<br>Thickness | Coil<br>Length | Coils Per<br>Pallet |  |  |
| ISO14-12-50                      | 1/4"   | 1/2"                    | 50′            | 22                  |  |  |
| ISO38-12-50                      | 3/8"   | 1/2"                    | 50′            | 21                  |  |  |
| ISO12-12-50                      | 1/2"   | 1/2"                    | 50′            | 18                  |  |  |
| ISO58-12-50                      | 5/8"   | 1/2"                    | 50′            | 17                  |  |  |
| ISO34-12-50                      | 3/4"   | 1/2"                    | 50′            | 16                  |  |  |
| 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′           | 13                  |  |  |
| ISO12-12-164                     | 1/2"   | 1/2"                    | 164′           | 10                  |  |  |
| ISO58-12-164                     | 5/8"   | 1/2"                    | 164′           | 10                  |  |  |
| ISO34-12-82                      | 3/4"   | 1/2"                    | 82′            | 11                  |  |  |
| ISO78-12-82                      | 7/8"   | 1/2"                    | 82′            | 11                  |  |  |
| ISO14-34-50                      | 1/4"   | 3/4"                    | 50′            | 16                  |  |  |
| ISO38-34-50                      | 3/8"   | 3/4"                    | 50′            | 13                  |  |  |
| ISO12-34-50                      | 1/2"   | 3/4″                    | 50′            | 13                  |  |  |
| ISO58-34-50                      | 5/8"   | 3/4″                    | 50′            | 11                  |  |  |
| ISO34-34-50                      | 3/4"   | 3/4″                    | 50′            | 12                  |  |  |
| ISO78-34-50                      | 7/8"   | 3/4"                    | 50′            | 10                  |  |  |
| ISO14-1-50                       | 1/4"   | 1"                      | 50′            | 10                  |  |  |
| <b>ISO38-1-50</b> 3/8" 1"        |  | 1"                      | 50′            | 11                  |  |  |
| <b>ISO12-1-50</b> 1/2" 1″ 50′ 11 |  | 11                      |                |                     |  |  |
| ISO58-1-50                       | 5/8"   | 1″                      | 50′            | 11                  |  |  |
| ISO34-1-50                       | 3/4"   | 1″                      | 50′            | 10                  |  |  |
| ISO78-1-50                       | 7/8"   | 1″                      | 50′            | 8                   |  |  |
| т                                | IN-PIPE COI  | LS ORDERING             | GUIDE          |                     |  |  |
| 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                  |  |  |
| ISOTA                            | PEORDERI   | NG GUIDE   AC           | CESSORY        |                     |  |  |
| ISOTAPE-WH                       | <b>OTAPE-WH</b> White 2" x 30' POLYETHYLENE tape -<br>Use with white polyethylene insulation |                         |                |                     |  |  |
| ISOTAPE-BK                       | Black 2" x 30' ELASTOMER insulating tape -<br>Use for conventional black rubber insulation   |                         |                |                     |  |  |
| ISOTAPE-GY                       | Grey 2" x 30" insulating tape - for perfect<br>match with ISOTECH line sets                  |                         |                |                     |  |  |

#### LINESETS

### **Technical Specifications**

- Made according to ASTM C 1427-07, type I (tubular), grade I (insulation material for use on typical commercial system non-cross-linked)
- Insulation meets industry requirements for surface burning and ignition resistance
- CFC and HCFC damaging ozone gas free External LDPE foil covering which adheres to a non-flammable base, melts flameless and belongs to Self-Extinguish Class 1
- Marked at every foot with product details (pipe and insulation diameters), production date and time
- Additional protection on foam insulation reduces risk of tearing
- High resistance to water-vapor diffusion
- Rated for plenum applications
- Exterior insulation must be protected from exterior hazards (ASHRAE 90.1-2013 and IECC- 2015)
- After installation of line sets, ends should be properly sealed to prevent moisture infiltration (See ISOTAPE below)
- Product certifications available upon request



### ISOTAPE

- Eco-friendly, white poly band also available in black and grey closed-cell elastomer
- Ideal for wrapping indoor refrigerant pipe connections and for bundling piping together for easy, fast installation
- Temperatures from -20°F to 175°F with low thermal conductivity
- Extremely low water vapor permeability and absorption

### WHY CHOOSE UNIMAX **UNITARY** LINESETS

### 1. Insulated

UL approved closed cell elastomeric foam

### 2. ASTM Copper

The copper tube is extruded according to ASTM standards

### 3. Suited to Job Needs

Offered in multiple configurations and lengths (suction line and liquid line) to suit the the needs of any job

### 4. Quality Above All

The highest quality for unitary system applications

| SINGLE-PIPE COILS ORDERING GUIDE |                |                 |                         |                |  |
|----------------------------------|----------------|-----------------|-------------------------|----------------|--|
| Part Number                      | Liquid<br>Line | Suction<br>Line | Insulation<br>Thickness | Roll<br>Length |  |
| UNIMAX-38X58-38-25               | 3/8″           | 5/8″            | 3/8"                    | 25′            |  |
| UNIMAX-38X58-38-50               | 3/8″           | 5/8″            | 3/8"                    | 50′            |  |
| UNIMAX-38X34-38-25               | 3/8″           | 3/4″            | 3/8"                    | 25′            |  |
| UNIMAX-38X34-38-50               | 3/8″           | 3/4″            | 3/8"                    | 50′            |  |
| UNIMAX-38X78-38-25               | 3/8″           | 7/8″            | 3/8"                    | 25′            |  |
| UNIMAX-38X78-38-50               | 3/8″           | 7/8″            | 3/8"                    | 50′            |  |
| UNIMAX-38X58-12-25               | 3/8″           | 5/8″            | 1/2"                    | 25′            |  |
| UNIMAX-38X58-12-50               | 3/8″           | 5/8″            | 1/2"                    | 50′            |  |
| UNIMAX-38X34-12-25               | 3/8″           | 3/4″            | 1/2"                    | 25′            |  |
| UNIMAX-38X34-12-50               | 3/8″           | 3/4″            | 1/2"                    | 50′            |  |
| UNIMAX-38X78-12-25               | 3/8″           | 7/8″            | 1/2"                    | 25′            |  |
| UNIMAX-38X78-12-50               | 3/8″           | 7/8″            | 1/2"                    | 50′            |  |
| UNIMAX-38X58-34-25               | 3/8″           | 5/8″            | 3/4"                    | 25′            |  |
| UNIMAX-38X58-34-50               | 3/8″           | 5/8″            | 3/4"                    | 50′            |  |
| UNIMAX-38X34-34-25               | 3/8″           | 3/4″            | 3/4"                    | 25′            |  |
| UNIMAX-38X34-34-50               | 3/8″           | 3/4″            | 3/4"                    | 50′            |  |
| UNIMAX-38X78-34-25               | 3/8″           | 7/8″            | 3/4"                    | 25′            |  |
| UNIMAX-38X78-34-50               | 3/8″           | 7/8″            | 3/4"                    | 50′            |  |

to the highest quality thereby creating one of the most reliable linesets for unitary system applications. Offered in multiple configurations and lengths (suction line and liquid line) to suit the the needs of any job. The copper tube is extruded according to **ASTM** standards and insulated with UL approved closed cell elastomeric foam. Custom lengths available upon request.

Product certifications available upon request.

**UNIMAX linesets are manufactured** 



| UNIMAX INSULATION   TECHNICAL DATA   |  |                                   |   |  |
|--|--|-----------------------------------|---|--|
| Specification  | Index  | Test M                            | ethod   |  |
| Material   | NBR  | -                                 | -   |  |
| Cell structure   | Closed Cell  | -                                 | -   |  |
| Density (kg/m3)  | 50 – 80 kg/m3  | ASTM C 302:1995<br>ASTM D 3575-91 | BS EN 1602:2013<br>UL746A                       |  |
| Thermal conductivity "K" at 35°C mean temp.  | 0.033 W/m-K  | ASTM C 518                        | BS 874 1986                                     |  |
| Temperature limits (°C) - Consult Sales<br>for applications with temp. below -40°C &<br>higher than +120°C | -40°C to +120°C  | ASTM C 534                        | -   |  |
| Thermal stability % shrinkage  | 2.54 (7 days at 105°C)                                     | ASTM D 3575-91                    | -   |  |
| Flexibility  | Excellent  | ASTM D 1056-85                    | -   |  |
| Water absorption   | 2.98   | ASTM D 3575-91                    | -   |  |
| Water vapor permeability (perm/max)  | 0.00 Perm - in   | ASTM E96/96M                      | Meets the req.<br>of table 1 of BS<br>5422:2009 |  |
| Water vapor diffusion resistance factor "µ"  | >7300  | BS EN 12086                       | -   |  |
| Storage life   | Self-adhesive & facing:<br>sheets/rolls/tubes/tapes        | 1 Year                            | Store in dry, clean<br>& ventilated space       |  |
| R  | EACTION TO FIRE  |                                   |   |  |
| Flammability   | Self-Extinguishing<br>V-0 5VB                              | ASTM D 635-91<br>UL94             | -   |  |
| Fire Rating  | Class O, Class 1 25/50<br>Rated                            | BS 476 PART 6 &<br>7 ASTM E 84    | UL 723  |  |
| Average time of burning  | Less than 4 sec.   | ASTM D 1149                       | -   |  |
| Average extend of burning  | 15 min.  | -                                 | -   |  |
|  | NVIRONMENTAL   |                                   |   |  |
| Global Warming Potential (GWP) Ozone<br>Depletion Potential (ODP) resistance to ozone                      | Excellent  | ASTM D 1149                       | ASTM D 1171                                     |  |
| Resistance to weather & UV rays  | Excellent  | ASTM G 154<br>ASTM G 155          | ASTM G 23                                       |  |
| Resistance to fungi/mildew   | No Fungal Growth   | ASTM G 21                         | ASTM C 1338                                     |  |
| Resistance to bacteria   | Negligible   | ISO 22196                         | ASTM E 2180                                     |  |
| Resistance to corrosion  | pH Neutral   | ASTM C 692                        | EN 13468  |  |
| Dust, fibers & asbestos  | Free   | EPA 600                           | -   |  |
| Chlorofluorocarbon (CFC) &<br>Hydro-Chlorofluorocarbon (HCFC)  | Free   | GC – MS                           | -   |  |
| Odor   | Negligible   | SAE J1351                         | -   |  |
| Resistance to chemicals  | Excellent  | ASTM C 871                        | -   |  |
| Leachable chlorides  | <0.05 (Water-Soluble<br>Chloride Ions)                     | ASTM C 692<br>DIN 1988            | EN 13468  |  |
| Emission (VOC) Volatile Organic Compounds  | Very Low (<6µg/m3)   | ASTM D 5116                       | -   |  |
| Reduction of Hazardous Substances (ROHS)   | ND   | ICP-OES                           | IEC 62321-B                                     |  |
| ACOUSTIC PROPERTIES  |  |                                   |   |  |
| Sound absorption coefficients frequency<br>(Hz) 1/2" (13 mm) 1" (25 mm) 2" (50 mm)                         | NRC = 0.38 NRC = 0.49<br>NRC = 0.55                        | ASTM C 423                        | -   |  |
| Sound transmission class   | 6 (Insulation)<br>38 (Insulation adhered<br>to steel duct) | ASTM E-90                         | -   |  |

### WHY CHOOSE **FREEZY** CONDENSATE PUMPS

### **FEATURES & BENEFITS**

The FREEZY is equipped with revolutionary high-performance, field-specific technology; a non-contact fluid-detection sensor. The non-contact fluid-detection sensor avoids leak paths, material contamination, offers high-moisture resistance, fast response time (32 µ seconds) and can easily replace any conventional electro-mechanical switch and digital sensor.





- Sleek and versatile installation Can be installed on the bottom left or right-hand side of any unit, and color matched to all evaporators ensuring the highest level of functionality without affecting aesthetics
- Universal and \*virtually maintenance-free - A slim, simple design allows it to be used with any brand of ductless evaporator

**Smoke & flame resistant** Body made with the most flame retardant, UL94-5VA certified material

- **PCB isolated & protected** from moisture and any water intrusion
- With the revolutionary noncontact fluid-detection sensor, this unit:
  - Avoids leak paths
  - Avoids material contamination
  - Offers high-moisture resistance
  - Fast response time (32 μ sec)
  - Can easily replace any conventional electromechanical switch and digital sensor

| QUICK REFE         | QUICK REFERENCE GUIDE |  |  |  |  |  |
|--------------------|-----------------------|--|--|--|--|--|
| Part Number        | FREEZY                |  |  |  |  |  |
| Max Flow Rate      | 5.3 GPH               |  |  |  |  |  |
| Max Head           | 28′                   |  |  |  |  |  |
| Sound              | <19 dB                |  |  |  |  |  |
| Voltage            | 110 OR 240V 50/60 HZ  |  |  |  |  |  |
| Alarm Relay        | NO/NC 8A 110-240VAC   |  |  |  |  |  |
| Discharge Tube     | 1/4″ ID               |  |  |  |  |  |
| Color              | WHITE                 |  |  |  |  |  |
| Thermal Protection | UP TO 212°F           |  |  |  |  |  |
| Installation Range | 6,000-54,000 BTU/H    |  |  |  |  |  |
| Dimensions (H/W/L) | 1.9 x 2.5 x 10.15"    |  |  |  |  |  |

Engineered, manufactured and tested according to rigid Swiss quality standards.



### WHY CHOOSE TATTOO CONDENSATE PUMPS

#### **CONTENTS**

- 1. TATTOO Pump Body
- 2. Plug & Play Detection Unit; 5' Communication Wire Included
- 3. Connection Flbow
- 4. Ventilation Tube
- 5. Fixing Screws and Anchors
- 6. Double-sided Foam Adhesive

#### **FEATURES & BENEFITS**

- Near silent Less than 19 dB noise rating with built-in rubber absorbers
- Pre-wired alarm contact
- Factory-installed check valve
- Normally open/normally closed alarm 100V to 240V/8A
- Up to 25' vertical lift

**Part Number** 

**Max Dry Suction Height** 

**Max Wet Suction Height** 

Pump Dimensions (L/W/H)

Sensor Dimensions (L/W/H)

**Max Delivery Height** 

**Max Flow Rate** 

Flow Rate at 3'

Flow Rate at 10'

**Alarm Contact** 

**Power Supply** 

**Noise Level** 

Weight

- Can be installed up to 5' from detection unit in any position
- Thermal security of 230°F (110°C)

LESS THAN 19 DB

NEAR SILENT

- **Rigid Swiss quality standards** - Engineered, manufactured and tested
- For systems up to 54,000 BTU

**TATTOO16-230V** 

4.3 GAL/HR

3.8 GAL/HR

2.8 GAL/HR

3.3'

6.6'

29.5'

5.9" x 2.2" x 1.1"

3.2" x 1.6" x 1.6"

15.5 oz

230V

<19 dBA

Pump body can be installed up to 5' from detection unit in anv position



Engineered, manufactured and tested according to rigid Swiss quality standards.

**QUICK REFERENCE GUIDE** 

TATTOO16-120V

4.3 GAL/HR

3.8 GAL/HR

2.8 GAL/HR

3.3'

6.6'

29.5'

NO/NC-120V / 8A

5.9" x 2.2" x 1.1"

3.2" x 1.6" x 1.6"

15.5 oz

120V

<19 dBA

### WHY CHOOSE RAPIDO **CONDENSATE PUMPS**

# HMA



Engineered, manufactured and tested according to rigid Swiss quality standards.

| QUICK REFERENCE GUIDE     |                    |  |  |  |  |  |
|---------------------------|--------------------|--|--|--|--|--|
| Part Number               | RAPIDO-230V        |  |  |  |  |  |
| Max Flow Rate             | 2.1 GAL/HR         |  |  |  |  |  |
| Flow Rate at 3'           | 1.9 GAL/HR         |  |  |  |  |  |
| Flow Rate at 10'          | 1.4 GAL/HR         |  |  |  |  |  |
| Max Dry Suction Height    | 3.3′               |  |  |  |  |  |
| Max Wet Suction Height    | 6.6′               |  |  |  |  |  |
| Max Delivery Height       | 28′                |  |  |  |  |  |
| Alarm Contact             | NO/NC-120V / 8A    |  |  |  |  |  |
| Pump Dimensions (L/W/H)   | 3.4" x 1.8" x 1.7" |  |  |  |  |  |
| Sensor Dimensions (L/W/H) | 3.2" x 1.6" x 1.6" |  |  |  |  |  |
| Weight                    | 53 oz              |  |  |  |  |  |
| Power Supply              | 230V               |  |  |  |  |  |
| Noise Level               | 28.3 dBA           |  |  |  |  |  |

- 2. Plug & Play **Detection Unit**
- 3. Connection Elbow
- 4. Check Valve
- 5. Ventilation Tube
- of Line Set Cover
- 7. Fixing Screws and Anchors
- 8. Doublesided Foam Adhesive



Tested at 120V/60 Hz with water at 68°F Product certifications available upon request.

**ADAPTIVE &** 

REVERSIBLE

### WHY CHOOSE THE **STORMLIFT** TANK PUMP

#### **FEATURES & BENEFITS**

The STORMLIFT tank pump has been designed provide quiet, safe functionality with the highest performance on the market.

- Quiet Vibration absorbing feet that isolate the pump from mounting surface and reduce noise
- Adaptable Reversible tank with integrated hanging feet
- Tough ABS thermoplastic plastic polymer tank and upper case
- Quick-release check valve system
- Two-stage float mechanism
- Rust-free stainless steel hardware
- Ball-bearing motor
- Protected terminal connections
- Motor corrosion protection system
- Sewage pump style impeller designed to collect and evacuate sediment buildup



Engineered, manufactured and tested according to rigid Swiss quality standards.

Product certifications available upon request.

5.51" x 4.33" x 5.51" (H/W/L)



**RUST-FREE** 

STAINLESS

STEEL PARTS

| QUICK REFERENCE GUIDE  |                |  |  |
|------------------------|----------------|--|--|
| Part Number            | STORMLIFT-115V |  |  |
| Overall LIFT           | 16′            |  |  |
| Safety Overflow Switch | YES            |  |  |
| Voltage                | 115V           |  |  |
| Tubing Included        | 3/8" x 20'     |  |  |
| Reservoir Capacity     | 0.26 GAL       |  |  |
| Max GPH                | 52             |  |  |
| Number of Inlets       | 5              |  |  |

Quiet Vibration Dampening

CONTENTS

**Dimensions** 

1. STORMLIFT tank pump

2. Wall mounting brackets

3. Fixing screws and anchors

### WHY CHOOSE NICE Cover systems

### **FEATURES & BENEFITS**

NICE Duct Systems provide an extremely safe and compact covering for line sets, control cables, and drain lines. Every component features a radiused design that provides greater strength to all sections and corners and reduces sharp turns that could kink the line set. The fit and finish of the covers are of the highest quality and provide a beautiful, professional look to any outdoor or indoor applications.

- **Easy installation** Easy, fast snap-on installation
- Durable Line set covers are strong, light and highly resistant to cracking, crushing and chipping
- UV Retardant and temperature resistant Won't fade, crack or break down; even in extreme temperatures
- Aesthetically pleasing NICE plastic covers are fully paintable to match any wall or siding color







### WHY CHOOSE NICE COVER SYSTEM ACCSSORIES

|     | TURES & BENEFITS                            |   | End Duct Term                           | inal Part Numbe     | Dimensions (W/H)            |
|-----|---|---|---|---------------------|-----------------------------|
|     | Universal precision                         |   |   | NICE-ED-SM          | I 3″ x 2″ (W/H)             |
|     | tool - Can be used to                       |   |   | NICE-ED-M           | 3.5" x 3" (W/H)             |
|     | cut any brand of line set cover             |   |   | NICE-ED-LG          | 5" x 3" (W/H)               |
|     | Cost-efficient - Blade                      |   | Flat Bend                               |                     |                             |
|     | is interchangeable                          | ( N   |   | NICE-FB-SM          |                             |
|     | (available separately)<br>and can be easily | •   |   | NICE-FB-M           | 3.5" x 3" (W/H)             |
|     | removed to be                               |   |   | NICE-FB-LG          | 5″ x 3″ (W/H)               |
|     | sharpened<br>Superior support               | UNIVERSAL<br>LINE COVER                               | Wall Terminal                           |                     |                             |
|     | - Lid and base are                          | CUTTER  |   |                     | I 3" x 2" (W/H)             |
|     | supported while<br>being cut; preventing    |   |   | NICE-WT-M           | 3.5" x 3" (W/H)             |
|     | any deformation                             |   |   | NICE-WT-LG          | 5″ x 3″ (W/H)               |
|     | and guaranteeing a precision cut with no    | Part Number   | Tee Joint                               |                     |                             |
|     | imperfections                               | NICE-DC   |   | NICE-TJ-M           | 3.5″ x 3″ (W/H)             |
|     |   |   | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |                     |                             |
|     |   |   |   | NICE-TJ-LG          | 5" x 3" (W/H)               |
| PRE | CISION CUTS IN THREE                        | EASY STEPS:   | Adjustable Flat                         | Bend 45° - 135°     |                             |
|     |   |   |   | NICE-AFB-SM         | I 3″ x 2″ (W/H)             |
|     |   |   |   |                     | и 3.5" x 3" (W/H)           |
|     |   |   |   |                     | 1 3.5 X 3 (₩/Ħ)             |
|     | 0000  | 19990   | Joint Reduction                         |                     |                             |
|     | ULL   | LUB   |   | NICE-RD-M           | 3.5" x 3" - 3" x 2" (W/H)   |
|     |   |   |   | NICE-RD-LG          | 5″ x 3″ - 3.5″ x 3″ (W/H)   |
|     | 3   |   |   |                     |                             |
|     |   |   | Flexible Sleeve                         | _                   |                             |
|     |   |   |   | NICE-FS-SM          | 3″ x 2″ (W/H)               |
|     |   |   |   | NICE-FS-M           | 3.5″ x 3″ (W/H)             |
|     |   |   |   |                     |                             |
|     |   |   |   | NICE-FS-LG          | 3.5" x 5" (W/H)             |
|     |   | FEATURES & BENE                                       | FITS                                    |                     |                             |
|     |   | <ul> <li>Pipe protection</li> </ul>                   | P                                       | art Number          | Dimensions                  |
|     | ROOF<br>PASSAGE                             | indoor/outdoor  |   | IICE-RP-SM          | 5″ X 17″ x 5″ (L/H/W)       |
|     | PASSAGE                                     | transitions   | N                                       | IICE-RP-LG          | 5″ X 17″ x 10″ (L/H/W)      |
|     |   | <ul> <li>Made of weath<br/>and aging resis</li> </ul> |   |                     |                             |
|     |   | materials   |   |                     |                             |
|     |   | <ul> <li>Quick assembl</li> </ul>                     | У                                       | Product certificati | ons available upon request. |

### WHY CHOOSE NICE DRAIN HOSE & ACCESSORIES





### **FEATURES & BENEFITS**

- Durable Flexible, corrugated, high-quality polypropylene; stabilized against UV rays, making the hose highly resistant to cracking and micro-perforations
- Adaptable Male/female joints at three-foot intervals

| Product                     | Part No. | Dimensions |        |  |  |  |
|-----------------------------|----------|------------|--------|--|--|--|
| Three-way Central Joint     |          |            |        |  |  |  |
|                             | TWJ-58   | Diameter:  | 5/8″   |  |  |  |
|                             | TWJ-34   | Diameter:  | 3/4″   |  |  |  |
| Drain Hose Adapter Fittings |          |            |        |  |  |  |
|                             | AF-16    | 16 MM      | Yellow |  |  |  |
| Flexible Rigid PV0          | AF-18    | 18 MM      | Red    |  |  |  |
| Drain Line Hose Clamps      | AF-20    | 20 MM      | Blue   |  |  |  |
| Rigid End Flexible End      | AF-25    | 25 MM      | Green  |  |  |  |
|                             | AF-32    | 32 MM      | Gray   |  |  |  |

| Part Number | Dimensions        |
|-------------|-------------------|
| FDH-58      | INTERNAL Ø : 5/8″ |
| FDH-34      | INTERNAL Ø : 3/4″ |

COVER SYSTEMS AND DRAINS

### WHY CHOOSE **SLIMBOX** ROUGH-IN BOX

### **FEATURES & BENEFITS**

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

| Part Number | Dimensions                 |
|-------------|----------------------------|
| SLIMBOX     | 16″ X 4.5″ X 3″<br>(W/H/D) |

- Fits perfectly between standard 16" studs
- Modular 3/4" and 5/8" outlet
- Central bubble level

### **EASY INSTALLATION STEPS:**



- Reversible drain pan Left or right outlet
- Stud positioning wings & fixing points
- Adaptable Can be installed vertically or horizontally
- **Ready to install** Complete with mounting screws and protection cover to prevent damage and dust deposits during construction

1. Drill holes in the structure for pipes



4. Place and align the box to the holes



7. Insert wiring and connect drain



2. Recreate the same holes on the box



5. Fix box to the structure using screws



8. Cover and protect pipes with paintable plate(1)



3. Place bubble level in its housing



6. Insert pipes and drain hose

(1) Remove plate before installing wall-mounted unit.

### WHY CHOOSE SUMO RUBBER SUPPORTS

#### **FEATURES & BENEFITS**

SUMO Rubber Supports are a comprehensive solution that dampen vibration and noise up to 85% for sensitive areas. Applications include rooftop and ground for piping, HVAC-R equipment, solar panel systems, ducts, rooftop walkway systems, conduit, pipe hangers, cable tray supports and much more.



recycled rubber with a built-in aluminum channel on all size options for premium strength, stability and rust prevention
Dampens vibrations and noise

Superior strength - Rubber supports made of 100%

HMAX

- up to 85% for sensitive metro areas
- Perfect positioning Built in bubble levels
- Surface safe No sharp or abrasive edges
- UV resistant
- 100% recycled, solid rubber
- Wide range of length options available from 10" to 39"
- Working conditions -40° F / +180° F
- Standard UNISTRUT size for all standard clamps and collars

|  | QUICH   | (REFERENCE G | JIDE             |            |
|--|---------|--------------|------------------|------------|
|  | PRODUCT | PART NUMBER  | DIMENSIONS       | CAPACITY   |
|  |         | SUMO-XS      | 4″ x 4″ (L/H)    | 310 lbs.   |
|  |         | SUMO-SM      | 10″ x 3.5″ (L/H) | 350 lbs.   |
| Interlocking rubber bricks                                 |         | SUMO-M       | 18" x 3.5" (L/H) | 570 lbs.   |
| increase the height of                                     |         | SUMO-LG      | 23″ x 3.5″ (L/H) | 1,050 lbs. |
| support, providing an extra<br>vibration absorption layer. |         | SUMO-XL      | 39″ x 3.5″ (L/H) | 1,400 lbs. |
| Product certifications available                           |         | SUMO-M-H     | 18″ X 4.5″ (L/H) | -          |
| upon request.  |         | SUMO-LG-H    | 23″ x 4.5″ (L/H) | -          |
|  |         | SUMO-XL-H    | 39" x 4.5" (L/H) | -          |

SUPPORTS AND ACCESSORIES

Rubber carpet

underneath the foot.

TOUGH, ADJUSTABLE, & SURFACE SAFE

### WHY CHOOSE THE **ORION** MODULAR FOOT

#### **ORION MODULAR FOOT**

#### **FEATURES & BENEFITS**

An adjustable support foot made of glass-fiber reinforced polypropylene. The semi-crystalline polymer is characterized by a high breaking load and great thermal resistance. Thanks to the versatility and speed of assembly, the Orion Foot is recommended for the construction of modular structures, piping and wiring support or any combination of the two with standard strut profiles.

- Adjustable support foot with central body, ball joint and four fixing points
- Prevent flooding and water egress Perfect unitary air handler stand
- Versatility and speed of assembly decreases install time
- Superior vibration absorption and surface safe with built-in NBR rubber pad
- Strong High breaking load and great thermal resistance, glass-fiber reinforced polypropylene

| PARTNUMBER | DIMENSIONS  | CAPACITY |
|------------|---|----------|
| ORION-550  | Min Height: 7"<br>Max Height: 11"<br>Base diameter: 12" | 550 lbs. |

FASTER INSTALL

TIME





#### **FEATURES & BENEFITS**

- Universal Works with all mini-split systems
- **Easy installation** with bubble level
- Heavy gauge Superior strength
- Quality and durable construction Hinged brackets, advanced crossbar, 5° adjustment bolt
- Anti-vibration cushions
- Available in powder-coated galvanized or stainless steel
- Maximum load capacity of 550 lbs.



Also available with 31" arm length upon request



| DIMENSIONS                          |       |       |      |      |       |      |        |     |      |        |        |       |       |       |      |       |       |       |
|-------------------------------------|-------|-------|------|------|-------|------|--------|-----|------|--------|--------|-------|-------|-------|------|-------|-------|-------|
| A B C D E F G H I J K L M N O P Q R |       |       |      |      |       |      |        | S   |      |        |        |       |       |       |      |       |       |       |
| 33.5″                               | 1.75″ | 8.25″ | 4.5″ | 4.5″ | 2.25″ | .75″ | 17.75″ | 15″ | 2.5″ | 22.25″ | 22.25″ | 4.25″ | 9.25″ | 3.75″ | .75″ | 3.75″ | 3.75″ | 3.75″ |

### WHY CHOOSE HMAX **WALL** BRACKETS AND RISERS

.

### **HERCULES HEAVY-DUTY WALL & ROOF BRACKETS**

#### **FEATURES & BENEFITS**

- Fast and easy installation
   Brackets come partially
   assembled
- Universal Support arm lengths are fully compatible with all manufacturer's specifications
- Powder-coated, electrogalvanized steel (Ral9002) or stainless steel
- Brackets should be combined with appropriate vibration absorbers - See page 22

| Part Number | Dimensions                      | Capacity |
|-------------|---------------------------------|----------|
| HWB-700     | Powder Coated 20" x 16" (D/H)   | 700 lbs. |
| HSSWB-700   | Stainless Steel 20" x 16" (D/H) | 700 lbs. |



| QUICK REFERENCE GUIDE  |   |                   |                       |  |  |  |  |  |
|--|---|-------------------|-----------------------|--|--|--|--|--|
| Product  | luct Part Number Dimensions Capa  |                   |                       |  |  |  |  |  |
| Condenser Risers   Special Package   |   |                   |                       |  |  |  |  |  |
|  | FS-PVC-PAIR   | 18" x 4"<br>(L/H) | 350 lbs.<br>per piece |  |  |  |  |  |
|  | Packaged in boxes of two; includes adhesive strips and mounting hardware.   |                   |                       |  |  |  |  |  |
| RIZER  |   |                   |                       |  |  |  |  |  |
| Sa .   | PPS-16  | 16″ x 3″<br>(L/H) | 260 lbs.<br>per piece |  |  |  |  |  |
| the second secon | Produced with high-quality UV<br>stabilized polypropylene. Complete with<br>mounting hardware - ready to install. |                   |                       |  |  |  |  |  |

### SUPPORT / MOUNTING BLOCKS

HMAX offers a full range of mounting blocks to protect condenser units from the elements, with minimum clearance from the ground.

### **FEATURES & BENEFITS**

- High quality UV stabilized polymers
- Complete with nuts, bolts and washers that can be easily adjusted
- Unitary plastic-molded construction with closed ends
- Easy and compact transportation
   Stackable units



# WHY CHOOSE **ATLAS** & **MAX** CONDENSER ACCESSORIES

### **ATLAS CONDENSER SUPPORT**

#### **FEATURES & BENEFITS**

- Innovative Can be used in residential or light commercial installations
- Adjustable Up to 24" height and 33" wide"
- Weather strong A galvanized steel frame and fiberglass feet are resistant to cold weather





#### **ATLAS LIGHT**

#### **FEATURES & BENEFITS**

- Lightweight
- Adjustable Height Up to 24"
- Wide Foot Base Spreads weight evenly, increasing stability
- Suitable for all residential and light commercial condensers

| <b>Part Number</b> | Dimensions              | Capacity |
|--------------------|-------------------------|----------|
| GB-550L            | 33″ x 24″ x 21″ (W/H/D) | 440 lbs. |



HMAX

**CONDENSER'S ACCESSORIES** 

### WHY CHOOSE **HMAX** CONDENSER'S ACCESSORIES

### MAX ROOF CONDENSER COVER

#### **FEATURES & BENEFITS**

- Powder-coated condenser cover with stainless steel bolts
- Protect your investment Keep your condenser clean of debris and safe from the elements
- Customizable Custom colors
   available upon request







| Part Number                      | Dimensions        |
|----------------------------------|-------------------|
| MR36-21<br>Packaged individually | 36" x 21" (D/H/W) |

| Product  | Part Number | Capacity              | Kit Qty.                                  |
|--|-------------|-----------------------|---|
| Vibration Absorbers for Wall Brackets and Stands |             |                       |   |
|  | BVD-220     | 220 lbs.<br>per piece | 4 pieces<br>*Includes nuts and<br>washers |

100°

### WHY CHOOSE REFRIGERATION BALL VALVES & FLARE FITTINGS

### **FEATURES & BENEFITS**

Premium-performance Refrigeration Ball Valves, specifically designed for use in industrial and commercial refrigeration systems; tailored to VRF systems and suitable for any HVAC-R industry system.

- Strict manufacturing process Valves are manufactured using alloy with a silver percentage between 34 and 40%
- Rigorous testing Each value is tested 1.34 times higher than the nominal pressure
- **Highly efficient** in HVAC-R industry
- Certified materials only
- Seats are made of Nylon reinforced with carbon graphite
- Guaranteed quality seal Check valve shutters are made of HNBR material
- Convenient access port
- Copper stubs for brazing or press fittings



PREMIUM RAW MATERIALS & QUALITY

HVAC-R

INDUSTRIAL

TOUGH



MADE IN ITALY In Compliance with the Highest Industry Standards

### Custom-fitted insulation covers available for all valves

il

HMA

Tested in Italy.

### 2 WAY BALL VALVE ODS X ODS CONNECTIONS

| 2 WAY BALL VALVE WITH SCHRADER PORT - ODS X ODS CONNECTIONS |       |                |          |          |       |                           |  |  |
|---|-------|----------------|----------|----------|-------|---------------------------|--|--|
| Part Number   | Ø     | Sphere Passage | PS (PSI) | TS (F)   | Kv    | Optional Insulation Cover |  |  |
| REF-14-SODS   | 1/4"  | 3/8"           | 754      | -40 +302 | 1.1   | REF-INSUL-A               |  |  |
| REF-38-SODS   | 3/8"  | 3/8"           | 754      | -40 +302 | 3.5   | REF-INSUL-A               |  |  |
| REF-12-SODS   | 1/2"  | 3/8"           | 754      | -40 +302 | 6.7   | REF-INSUL-A               |  |  |
| REF-58-SODS   | 5/8"  | 5/8"           | 754      | -40 +302 | 14.8  | REF-INSUL-B               |  |  |
| REF-34-SODS   | 3/4"  | 5/8"           | 754      | -40 +302 | 16.9  | REF-INSUL-B               |  |  |
| REF-78-SODS   | 7/8"  | 3/4"           | 754      | -40 +302 | 29.3  | REF-INSUL-E               |  |  |
| REF-118-SODS  | 11/8" | 1"             | 754      | -40 +302 | 55.1  | REF-INSUL-D               |  |  |
| REF-138-SODS  | 13/8″ | 1.25″          | 754      | -40 +302 | 114.7 | RED-INSUL-F               |  |  |



| 2 WAY BALL VALVE WITH SCHRADER PORT - ODS X ODS CONNECTIONS   DIMENSIONS |        |       |       |       |       |       |       |       |
|--|--------|-------|-------|-------|-------|-------|-------|-------|
| Part Number  | Size   | A     | В     | С     | D     | E     | F     | G     |
| REF-14-SODS  | 1/4″   | 5″    | 2.54″ | 0.27″ | 0.75″ | 2.28″ | 1.22″ | 0.96″ |
| REF-38-SODS  | 3/8″   | 5.20″ | 2.64″ | 0.35″ | 0.75″ | 2.28″ | 1.22″ | 0.96″ |
| REF-12-SODS  | 1/2″   | 5.55″ | 2.81″ | 0.47″ | 0.75″ | 2.28″ | 1.22″ | 0.96″ |
| REF-58-SODS  | 5/8″   | 6.55″ | 3.32″ | 0.55″ | 0.98″ | 2.62″ | 1.42″ | 1.30″ |
| REF-34-SODS  | 3/4″   | 6.47″ | 3.28″ | 0.55″ | 0.98″ | 2.62″ | 1.42″ | 1.30″ |
| REF-78-SODS  | 7/8″   | 8.17″ | 4.17″ | 0.70″ | 1.18″ | 3.29″ | 1.85″ | 1.48″ |
| REF-118-SODS   | 1 1/8″ | 8.49″ | 4.41″ | 0.79″ | 1.30″ | 3.50″ | 2.16″ | 1.54″ |
| REF-138-SODS   | 13/8″  | 8.20″ | 4.47″ | 0.85″ | 1.50″ | 3.75″ | 2.60″ | 2.15″ |

Tested in Italy.

### 2 WAY BALL VALVE-STRAIGHT COPPER TUBE FOR PRESS FITTINGS

| 2 WAY BALL VALVE WITH SCHRADER PORT - STRAIGHT COPPER TUBE FOR PRESS FITTINGS |       |                |          |          |       |                           |  |  |
|---|-------|----------------|----------|----------|-------|---------------------------|--|--|
| Part Number   | ø     | Sphere Passage | PS (PSI) | TS (F)   | Kv    | Optional Insulation Cover |  |  |
| REF-14-WFS  | 1/4"  | 3/8"           | 754      | -40 +302 | 1.1   | REF-INSUL-A               |  |  |
| REF-38-WFS  | 3/8"  | 3/8"           | 754      | -40 +302 | 3.5   | REF-INSUL-A               |  |  |
| REF-12-WFS  | 1/2"  | 3/8"           | 754      | -40 +302 | 6.7   | REF-INSUL-A               |  |  |
| REF-58-WFS  | 5/8"  | 5/8"           | 754      | -40 +302 | 14.8  | REF-INSUL-B               |  |  |
| REF-34-WFS  | 3/4"  | 5/8"           | 754      | -40 +302 | 16.9  | REF-INSUL-B               |  |  |
| REF-78-WFS  | 7/8"  | 3/4"           | 754      | -40 +302 | 29.3  | REF-INSUL-E               |  |  |
| REF-118-WFS   | 11/8″ | 1″             | 754      | -40 +302 | 55.1  | REF-INSUL-D               |  |  |
| REF-138-WFS   | 13/8″ | 1.25″          | 754      | -40 +302 | 114.7 | REF-INSUL-F               |  |  |

HMA



| 2 WAY BALL VALVE WITH SCHRADER PORT - STRAIGHT COPPER TUBE FOR PRESS FITTINGS   DIMENSIONS |        |        |       |       |       |       |       |       |
|--|--------|--------|-------|-------|-------|-------|-------|-------|
| Part Number  | Size   | A      | В     | c     | D     | E     | F     | G     |
| REF-14-WFS   | 1/4″   | 6.14″  | 3.11″ | 0.75″ | 2.28″ | 1.22″ | 0.96″ | 0.96″ |
| REF-38-WFS   | 3/8″   | 6.34″  | 3.21″ | 0.75″ | 2.28″ | 1.22″ | 0.96″ | 0.96″ |
| REF-12-WFS   | 1/2″   | 6.65″  | 3.37″ | 0.75″ | 2.28″ | 1.22″ | 0.96″ | 0.96″ |
| REF-58-WFS   | 5/8″   | 7.08″  | 3.58″ | 0.98″ | 2.62″ | 1.42″ | 1.29″ | 1.30″ |
| REF-34-WFS   | 3/4″   | 7.08″  | 3.58″ | 0.98″ | 2.62″ | 1.42″ | 1.29″ | 1.30″ |
| REF-78-WFS   | 7/8″   | 8.17″  | 4.17″ | 1.18″ | 3.29″ | 1.85″ | 1.48″ | 1.48″ |
| REF-118-WFS  | 1 1/8″ | 8.5″   | 4.41″ | 1.3″  | 3.35″ | 2.16″ | 1.47″ | 1.54″ |
| REF-138-WFS  | 13/8″  | 10.71″ | 4.98″ | 1.5″  | 3.75″ | 2.6″  | 2.15″ | 2.15″ |

Tested in Italy.

### **MAXFLARE** FITTINGS FOR PRESS CONNECTIONS

#### REFRIGERATION BALL VALVES AND FLARE FITTINGS

#### **FEATURES & BENEFITS**

- Specifically designed to reduce refrigerant leaks
- Prevents deformation and cracking with stainless-steel core
- Saves time and money on maintenance and installation
- Easy cleaning and brazing

| MAXFLARE - FITTINGS FOR PRESS CONNECTIONS |           |            |  |  |  |  |
|---|-----------|------------|--|--|--|--|
| David Numerica                            | Coni      | Connection |  |  |  |  |
| Part Number                               | SAE Flare | ODF        |  |  |  |  |
| MF-14                                     | 1/4″      | 1/4″       |  |  |  |  |
| MF-38                                     | 3/8″      | 3/8″       |  |  |  |  |
| MF-12                                     | 1/2″      | 1/2″       |  |  |  |  |
| MF-58                                     | 5/8″      | 5/8″       |  |  |  |  |
| MF-34                                     | 3/4″      | 3/4″       |  |  |  |  |
| MF- 78                                    | 7/8″      | 7/8″       |  |  |  |  |





| MAXFLARE - FITTINGS FOR PRESS CONNECTIONS   DIMENSIONS |      |       |       |       |       |      |                 |                   |
|--|------|-------|-------|-------|-------|------|-----------------|-------------------|
| Part Number  | NPS  | A     | B     | C     | D     | E    | STD Torque      | MAX Torque        |
| MF-14  | 1/4″ | 3.82″ | 3.50″ | 0.67″ | 0.46″ | 1/4″ | 12 NM/106 IN-LB | 20 NM/177 IN-LB   |
| MF-38  | 3/8″ | 3.89″ | 3.50″ | 0.87″ | 0.64″ | 3/8″ | 26 NM/230 IN-LB | 30 NM/266 IN-LB   |
| MF-12  | 1/2″ | 3.97″ | 3.50″ | 0.95″ | 0.77″ | 1/2″ | 47 NM/416 IN-LB | 60 NM/531 IN-LB   |
| MF-58  | 5/8″ | 4.09″ | 3.50″ | 1.06″ | 0.89″ | 5/8″ | 48 NM/425 IN-LB | 100 NM/886 IN-LB  |
| MF-34  | 3/4″ | 3.89″ | 3.50″ | 1.26″ | 1.08″ | 3/4″ | 78 NM/690 IN-LB | 200 NM/1772 IN-LB |
| MF-78  | 7/8″ | 3.89″ | 3.50″ | 1.50″ | 1.28″ | 7/8″ | 85 NM/750 IN-LB | 220 NM/1949 IN-LB |

### LINESET FEATURES COMPARISON CHART



|                         | TECHUV<br>FROM HMAX  |  |   |
|-------------------------|--|--|---|
|                         |  |  |   |
| FEATURES                | ISOTECH UV Lineset   | ISOPOLAR Lineset   | UNIMAX Lineset  |
| Copper                  | Certified 99.9% pure ASTM<br>B280 copper with protective<br>polymer coating                                      | Superior material - ASTM<br>B280 type ACR copper with<br>crimped ends to keep inside<br>surfaces clean | Copper tube extruded<br>according to ASTM standards   |
| Jacket                  | Sunlight UV, tear, fire and<br>water (UL94) resistant<br>sheath  | Durable, tear-resistant<br>jacket marked by the foot for<br>maximum waste reduction                    | Self-extinguishing, Class O<br>(ASTM E84) fire rating and<br>meets ASTM standard for<br>water permeability                        |
| Insulation              | Superior closed-cell<br>polyethylene insulation with<br>certified R-Values to meet<br>city codes and regulations | Reliable, closed-cell polyethylene insulation  | UL approved closed cell<br>elastomeric foam   |
| Resistance              | Formicary corrosion<br>resistant<br>(moisture, oxygen and<br>VOCs)   | High resistance to moisture and water-vapor intrusion  | Excellent insulation<br>resistance to weather,<br>UV, ODP, GWP, water and<br>chemicals  |
| Ease of<br>Installation | Quick and easy install -<br>No field-applied<br>coating or jacketing   | Quick and easy install -<br>No field-applied coating or<br>jacketing                                   | Highly flexible with multiple<br>configurations and lengths<br>(suction line and liquid line) to<br>suit the the needs of any job |

### NOTES





# Vision becomes powerful when paired with fearless execution.





HMAX - Quality HVAC Accessories 1-844-500-HMAX info@hmax.com

Copyright © 2025 HMAX All rights reserved. Subject to change without notice.

> @hmax\_hvac HMAX.com

> > 1/25



### SCAN FOR SKU and ORDERING

or go to: <u>HMAX.com</u>

Full catalog available for special order.