

VINYL GROMMETS

SIZE	A	B	C	D
1/4"	1/8"	1/16"	11/32"	3/16"
5/16"	3/16"	1/16"	7/16"	7/32"
3/8"	1/4"	1/16"	9/16"	1/4"
7/16"	5/16"	1/16"	5/8"	1/4"
1/2"	3/8"	1/16"	5/8"	1/4"
5/8"	1/2"	1/16"	13/16"	9/32"
21/32"	25/64"	1/8"	27/32"	3/8"
7/8"	5/8"	1/16"	1-1/8"	9/32"
1"	11/16"	1/16"	15/16"	3/8"

PART #	DESCRIPTION	PKG	PART #	DESCRIPTION	PKG
MA00151-1	1/4", 5/16", 3/8"	40	MA03168-1	7/8"	15
MA00152-1	7/16", 1/2", 5/8"	20	MA03169-1	1"	5
MA00153-1	21/32", 7/8", 1"	10	MA03161-2	1/4"	100
MA00154-1	1/4" THRU 1"	25	MA03162-2	5/16"	100
MA03161-1	1/4"	40	MA03163-2	3/8"	100
MA03162-1	5/16"	40	MA03164-2	7/16"	100
MA03163-1	3/8"	35	MA03165-2	1/2"	100
MA03164-1	7/16"	35	MA03166-2	5/8"	100
MA03165-1	1/2"	30	MA03167-2	21/32"	100
MA03166-1	5/8"	25	MA03168-2	7/8"	100
MA03167-1	21/32"	15	MA03169-2	1"	100



1/8" THRU 9/16" =
3/8" WIDE

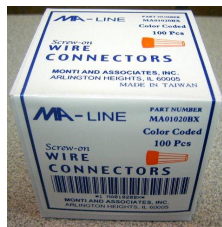
5/8" THRU 1" =
1/2" WIDE

NYLON CABLE CLAMPS

PART #	DESCRIPTION	PKG
MA00036-1	CLAMPS, GROMMETS & WIRE TIES	40
MA00098-1	1/8", 3/8", 7/16"	30
MA00099-1	5/16", 3/8", 7/16"	25
MA00100-1	1/2", 9/16", 5/8"	25
MA00101-1	3/4", 1"	10
MA00102-1	1/8" THRU 1"	25

PART #	DESCRIPTION	PKG	PART #	DESCRIPTION	PKG
MA03149-1	1/8"	35	MA03149-2	1/8"	100
MA03150-1	3/16"	35	MA03150-2	3/16"	100
MA03151-1	1/4"	25	MA03151-2	1/4"	100
MA03152-1	5/16"	25	MA03152-2	5/16"	100
MA03153-1	3/8"	25	MA03153-2	3/8"	100
MA03154-1	7/16"	15	MA03154-2	7/16"	100
MA03155-1	1/2"	15	MA03155-2	1/2"	100
MA03156-1	9/16"	15	MA03156-2	9/16"	100
MA03157-1	5/8"	15	MA03157-2	5/8"	100
MA03158-1	3/4"	10	MA03158-2	3/4"	100
MA03159-1	1"	10	MA03159-2	1"	100

- MA01018-1 (25/BAG)
- MA01018-2 (50/BAG)
- MA01018-3 (100/BAG)
- MA01018BX (100/BOX)
- MA01018P (500/TUB)
- GREY



**"TWIST ON"
SPRING GRIP
WIRE
CONNECTOR**

- MA01019-1 (20/BAG)
- MA01019-2 (50/BAG)
- MA01019-3 (100/BAG)
- MA01019BX (100/BOX)
- MA01019P (500/TUB)
- BLUE

- MA01020-1 (15/BAG)
- MA01020-2 (50/BAG)
- MA01020-3 (100/BAG)
- MA01020BX (100/BOX)
- MA01020P (250/TUB)
- ORANGE

- MA01021-1 (10/BAG)
- MA01021-2 (50/BAG)
- MA01021-3 (100/BAG)
- MA01021BX (100/BOX)
- MA01021P (250/TUB)
- YELLOW

- MA01022-1 (5/BAG)
- MA01022-2 (50/BAG)
- MA01022-3 (100/BAG)
- MA01022BX (100/BOX)
- MA01022P (100/TUB)
- RED

COLOR CHART

GREY: NO. 22 THRU 14 AWG
MIN: 1PC. #20 AWG & 1PC. #22 AWG
MAX: 2PCS. #16

BLUE: NO. 22 THRU 14 AWG
MIN: 1PC. #18 AWG & 1PC. #22 AWG
MAX: 3PCS. #16

ORANGE: NO. 22 THRU 14 AWG
MIN: 1PC. #18 AWG & 1 PC. #20 AWG
MAX: 3PCS. #16 AWG & 1PC. #18 AWG

YELLOW: NO. 18 THRU 10 AWG
MIN: 3PCS. #18 AWG
MAX: 3PCS. #12 AWG

RED: NO. 18 THRU 8 AWG
MIN: 2PCS. #14 AWG
MAX: 2PCS. #10 AWG & 2PCS. #12 AWG.

WINGED WIRE CONNECTORS

- | | |
|---------------------------|----------------------------|
| MA10606-1 (5/BAG) | MA10602-1 (15/BAG) |
| MA10606-2 (50/BAG) | MA10602-2 (100/BAG) |
| MA10606BX (50/BOX) | MA10602BX (100/BOX) |
| GREY | YELLOW |
| MA10608-1 (5/BAG) | MA10604-1 (10/BAG) |
| MA10608-2 (50/BAG) | MA10604-2 (100/BAG) |
| MA10608BX (50/BOX) | MA10604BX (100/BOX) |
| BLUE | RED |

COLOR CHART

GREY: NO. 22 THRU 14 AWG
MIN: 1PC. #20 AWG & 1PC. #22 AWG
MAX: 2PCS. #16

BLUE: NO. 22 THRU 14 AWG
MIN: 1PC. #18 AWG & 1PC. #22 AWG
MAX: 3PCS. #16

YELLOW: NO. 18 THRU 10 AWG
MIN: 3PCS. #18 AWG
MAX: 3PCS. #12 AWG

RED: NO. 18 THRU 8 AWG
MIN: 2PCS. #14 AWG
MAX: 2PCS. #10 AWG & 2PCS. #12 AWG.

240 PIECES ASSORTED WIRE CONNECTORS
IN A PLASTIC TUB WITH HANDLE

MA06295P



TAN WINGED WIRE CONNECTORS
IN A PLASTIC TUB WITH HANDLE
WIRE SIZE: 22-8

MA04132-1 (25/BAG)
MA04233-2 (120/TUB)



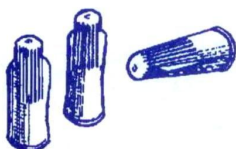
110 PIECES ASSORTED WINGED WIRE CONNECTORS
IN A PLASTIC TUB WITH HANDLE

MA10610P



SOFT WIRE CONNECTORS
SPECIAL DEVICES
SCOTCHLOCKS®

- MA03075-1** (10/BAG)
MA03076-2 (50/BAG)
RED/YELLOW: 16-10/18-12
- MA03077-1** (5/BAG)
MA03373-2 (25/BAG)
BLUE/GREY: 12-6/14-8



PORCELAIN WIRE CONNECTOR
MAX. TEMP. RATING
UP TO 1800F (982C)



- SMALL =
2X18GA, 3X18GA OR 4X20GA
- MEDIUM =
3X18GA, 4X18GA OR 5X20GA
- LARGE =
2X14GA, 5X18GA OR 6X20GA

- | | | |
|--------------------------------------|---------------------------------------|--------------------------------------|
| MA01164-1
SMALL (15/PKG) | MA01165-1
MEDIUM (10/PKG) | MA01166-1
LARGE (10/PKG) |
| MA01164C-2
SMALL (100/PKG) | MA01165C-2
MEDIUM (100/PKG) | MA01166C-2
LARGE (100/PKG) |

CLOSED END CONNECTORS

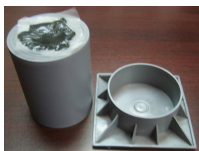
PART#	WIRE RANGE	DIMENSIONS	PKG
MA02548-1	16-14	7/8"	10
MA02549-1	22-18	5/8"	15
MA02551-1	12-10	5/8"	10
MA03033-2	22-18	5/8"	100
MA03034-2	12-10	5/8"	100
MA03035-2	16-14	7/8"	100

GRAY HEAT PUMP STANDS

- MA-HP3** 3" 1 PIECE
MA-HP6 6" 1 PIECE
- MA-HP3-2P** 3" 2 PIECE
MA-HP6-2P 6" 2 PIECE



1 PC.



2 PC.

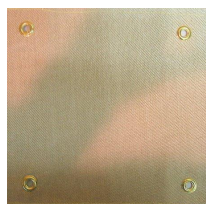


MA-EXT4 4" EXTENSION
FOR 2 PIECE UNITS

EXT.

FLAME SHIELDS
11" X 11-1/2"

- MA-1500**
1500F (850C)
MA-2300
2300F (1260C)



NSA'S FURNACE MOUNTING BLOCKS
PATENT #8262054B2

MA-68150





TYPE A

GAS BALL VALVES



TYPE C



TYPE D



TYPE B

ALL MODELS HAVE AGA, UL AND CSA APPROVALS
LEVER HANDLE FORGED BRASS BALL VALVES. STANDARD PORT,
FULL PORT, 600 PSI, W.O.G, 150 PSI SATURATED STEAM.

- MA-73101** 1/2" OD X 1/2" FPT STRAIGHT (C)
- MA-73102** 5/8" OD FLARE X 3/4" FPT (C)
- MA-73105** 3/8" FPT X 3/8" FPT (D)
- MA-73103** 1/2" FPT X 1/2" FPT (D)
- MA-73104** 3/4" FPT X 3/4" FPT (D)
- MA-73106** 1" FPT X 1" FPT (D)
- MA-73107** 1-1/4" FPT X 1-1/4" FPT
STANDARD PORT (B)
- MA-73108** 1-1/2" FPT X 1-1/2" FPT
STANDARD PORT (B)
- MA-73109** 2" FPT X 2" FPT STANDARD PORT (B)
- MA-73110** 1-1/4" FPT X 1-1/4" FPT FULL PORT (A)
- MA-73111** 1-1/2" FPT X 1-1/2" FPT FULL PORT (A)
- MA-73112** 2" FPT X 2" FPT FULL PORT (A)

3/8" I.D. TUBE 6 1/2" FIP X 1/2" MIP

- MA-CSSD54-12** 12" LONG
- MA-CSSD54-18** 18" LONG
- MA-CSSD54-24** 24" LONG
- MA-CSSD54-36** 36" LONG
- MA-CSSD54-48** 48" LONG
- MA-CSSD54-60** 60" LONG
- MA-CSSD54-72** 72" LONG

**FLEXIBLE GAS CONNECTORS
AGA & CGA CERTIFIED**



COATED STAINLESS STEEL

INDOOR/OUTDOOR GAS CONNECTOR FOR RESIDENTIAL AND COMMERCIAL GAS APPLIANCE

TEMPERATURE RANGE:
-40F TO 150F

1/2" I.D. TUBE 6 3/4" FIP X 3/4" MIP

- MA-CSSC21-12** 12" LONG
- MA-CSSC21-18** 18" LONG
- MA-CSSC21-24** 24" LONG
- MA-CSSC21-36** 36" LONG
- MA-CSSC21-48** 48" LONG
- MA-CSSC21-60** 60" LONG
- MA-CSSC21-72** 72" LONG

CSA APPROVED

POLYMER COATING RESISTS SEA SALT, UV RAYS, HARSH CHEMICAL RESIDUE AND BUILDING PRODUCTS SUCH AS SOLDER FLUX, MURIATIC ACID, AMMONIA AND CHLORINE.

1/2" I.D. TUBE 6 1/2" FIP X 1/2" MIP

- MA-CSSC54-12** 12" LONG
- MA-CSSC54-18** 18" LONG
- MA-CSSC54-24** 24" LONG
- MA-CSSC54-36** 36" LONG
- MA-CSSC54-48** 48" LONG
- MA-CSSC54-60** 60" LONG
- MA-CSSC54-72** 72" LONG



HEATING SYSTEM BOILER GAUGES



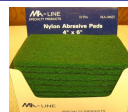
- MA-10344** 1/2" NPT 0-75 PSI
BOTTOM MOUNT, 4" SQUARE 60F TO 260F (20C TO 120C)
- MA-10345** 1/2" NPT 0-75 PSI
BACK MOUNT, 4" SQUARE 60F TO 260F (20C TO 120C)
- MA-10346** 1/2" NPT 0-200 PSI
BOTTOM MOUNT, 4" SQUARE 60F TO 260F (20C TO 120C)
- MA-10347** 1/2" NPT 0-200 PSI
BACK MOUNT, 4" SQUARE 60F TO 260F (20C TO 120C)
- MA-10348** 1/2" NPT 0-55 PSI
BOTTOM MOUNT, 3" ROUND 0-125FT. H2O, 70F TO 250F(20C TO 120C), 2" STEM
- MA-10349** 1/2" NPT 0-75 PSI
BOTTOM MOUNT, 3" ROUND 0-170FT. H2O, 70F TO 320F(20C TO 120C), 3/4" STEM
- MA-10350** 1/4" NPT 0-75 PSI
BACK MOUNT, 2-1/2" ROUND 60F TO 320F(20C TO 120C)

PROTECTIVE BOOT COVERS

- MA-49091** 2-1/2" RED
- MA-49092** 2-1/2" BLUE
- MA-49090** 2-1/2" SET
- MA-49191** 3-1/8" RED
- MA-49192** 3-1/8" BLUE
- MA-49193** 3-1/8" SET

3/4" PRESSURE TEST GAUGE

- MA-17255** 0-15#
- MA-17256** 0-30#
- MA-17257** 0-100#



SANDCLOTH & PADS



- MA-04625** ABRASIVE PADS (10/BOX)
- MA-90303** 1-1/2" X 10YRDS. SAND CLOTH
- MA-90304** 1-1/2" X 25YRDS. SAND CLOTH
- MA-90502** 1-1/2" X 5YRDS. OPEN MESH
- MA-90503** 1-1/2" X 10YRDS. OPEN MESH

MAXICAP COVERS



- MAXICAP3R** MAXITROL 325-3 SERIES
- MAXICAP5R** MAXITROL 325-5 SERIES
- MAXICAP7R** MAXITROL 325-7 SERIES

Put the lid on call-backs. Not only does the Maxicap prevent regulator lockup due to ice and snow blockage of the vent, it also prevents insects or build up of mud and debris from clogging the vent. No tools required. UV Safe.



OXYGEN TANKS

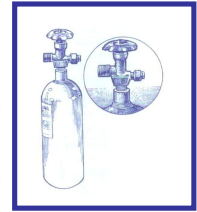
- T 002** 20 CU. FT.
- T 003** 40 CU. FT.
- T 032** 55 CU. FT.
- T 080** 80 CU. FT.

NITROGEN TANKS

- T 027** 20 CU. FT.
- T 005** 40 CU. FT.
- T 076** 55 CU. FT.
- T 085** 80 CU. FT.

CO2 TANK

- T 0210** 5# REINSPECTED
- T 0220** 10# REINSPECTED
- T 0230** 15# REINSPECTED
- T 0240** 20# REINSPECTED



ACETYLENE TANKS

- T 019** MC TANK
- T 018** B TANK



REFRIGERANT RECOVERY CYLINDERS

- MA-400RC30** 30# FOR R410A
- MA-400RC50** 50# FOR R410A

ALL TANKS ARE MADE OF STEEL

EQUIPPED WITH A LIQUID/VAPOR 5Y6 VALVE AND 3/4" OPENING.

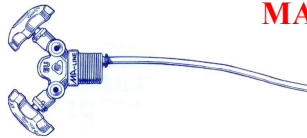
3 IN 1 12 OZ. CAN TAP

MA-49116



Y-VALVE FOR 30# AND 50# RECOVERY TANK

MA-563211



REFRIGERANT CYLINDER BAND HEATER

3054

120V, heater draws 200 watts and has 135° preset thermostat

Fits 30lb and 50lb cylinders



REFRIGERANT LABELS

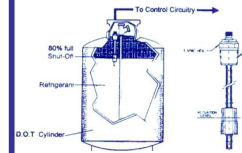
4-1/4" X 3-5/8"

10 PACK

- MA-SR11** OSHA ORANGE
- MA-SR12** BLACK
- MA-SR22** OSHA SAFETY GREEN
- MA-SR113** DARK PURPLE
- MA-SR114** BLUE
- MA-SR134A** LIGHT BLUE
- MA-SR401A** CORAL
- MA-SR401B** DULL ALUMINUM
- MA-SR402A** BRASS
- MA-SR402B** ERIN GREEN
- MA-SR404A** CITRUS ORANGE
- MA-SR406A** OSHA BLUE
- MA-SR407C** LIGHT BROWN
- MA-SR408A** MEDIUM PURPLE
- MA-SR409A** DESERT BEIGE
- MA-SR410A** BURGUNDY
- MA-SR417A** GREEN
- MA-SR421A** GREEN YELLOW
- MA-SR422B** MEDIUM BLUE
- MA-SR422D** (PANTONE) BLUE
- MA-SR438A** BLUE JAY
- MA-SR500** OSHA SAFETY YELLOW
- MA-SR502** VIOLET
- MA-SR507** TEAL BLUE
- MA-SHCFC123** CHROME ALUMINUM
- MA-SAB1** ALKYL BENZENE
- MA-SMO1** MINERAL OIL
- MA-SPA1** PAG OIL
- MA-SPO1** POLYOL ESTER

50 PACK

- MA-SR11-50** OSHA ORANGE
- MA-SR12-50** BLACK
- MA-SR22-50** OSHA SAFETY GREEN
- MA-SR113-50** DARK PURPLE
- MA-SR114-50** BLUE
- MA-SR134A-50** LIGHT BLUE
- MA-SR401A-50** CORAL
- MA-SR401B-50** DULL ALUMINUM
- MA-SR402A-50** BRASS
- MA-SR402B-50** ERIN GREEN
- MA-SR404A-50** CITRUS ORANGE
- MA-SR406A-50** OSHA BLUE
- MA-SR407C-50** LIGHT BROWN
- MA-SR408A-50** MEDIUM PURPLE
- MA-SR409A-50** DESERT BEIGE
- MA-SR410A-50** BURGUNDY
- MA-SR417A-50** GREEN
- MA-SR421A-50** GREEN YELLOW
- MA-SR422B-50** MEDIUM BLUE
- MA-SR422D-50** (PANTONE) BLUE
- MA-SR438A-50** BLUE JAY
- MA-SR500-50** OSHA SAFETY YELLOW
- MA-SR502-50** VIOLET
- MA-SR507-50** TEAL BLUE
- MA-SHCFC123-50** CHROME ALUMINUM
- MA-SAB1-50** ALKYL BENZENE
- MA-SMO1-50** MINERAL OIL
- MA-SPA1-50** PAG OIL
- MA-SPO1-50** POLYOL ESTER



REFRIGERANT CYLINDER LIQUID LEVEL SWITCHES

MA-128500 DESIGNED FOR 30# & 50# WORTHINGTON AND MANCHESTER CYLINDERS ONLY. REFER TO OEM LIST BELOW.

- OEM LIST
- NAT'L REFRIGERATION PRODUCTS (NRP)
 - PROMAX N ROBINAIR
 - THERMAL ENGINEERING
 - WATSCO N PENGUIN
 - RIDGID (RIDGE TOOL)
 - JAMESKAMM (KATY INSTRUMENTS)

MA-152540 DESIGNED FOR 26# & 48# AMTROL CYLINDERS ONLY. -BOTH ITEMS HAVE A 3-PIN BRAD HARRISON RECEPTACLE. -80% SHUT-OFF FEATURE

SAFE FOR DISPOSAL & EVACUATION CERTIFICATION TAGS

10 PACK

- MA-SDF1** SAFE FOR DISPOSAL
- MA-SRECT** EVACUATION TAG

50 PACK

- MA-SRECT-50** EVACUATION TAG

A MUST FOR EVERY SERVICE CONTRACTOR WHO FIELD-SERVICES APPLIANCES AND REFRIGERATION



HAND HELD SCALE & TAPE MEASURE

MA-HS50

2-1/2" DIAL
0-50LBS IN 1/LB INCREMENTS
LIGHTWEIGHT



MA-LINE DIGITAL SCALE

MA-49052B SCALE
MA-49052AUS
AUSTRALIAN POWER CORD
MA-49052EPC
EUROPEAN POWER CORD

CAPACITY: 0-260LBS

99% ACCURACY 6 GRADUATION .01 OZ. (0.05KG) 6
PLATFORM SIZE: 10" X 10" WITH RUBBER PAD - POWER SUPPLY
110V, 60HZ/220V, 50HZ 6 AC POWER ADAPTOR INCLUDED 6 (1) 9V
BATTERY INCLUDED - MEASURES LBS, OZ. & KGS

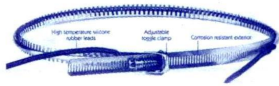
HAND HELD DIGITAL SCALE

MA-49051



LBS/KGS SWITCH
0-50LBS
AUTO SHUT OFF IN 2 MIN.
ACCURACY ±2%
INCLUDES 9V BATTERY

UL HEATERS CSA



- MA-CH100** 240V, 50WATT
MIN. 30-3/16" MAX. 37"
- MA-CH101** 240V, 54WATT
MIN. 27-1/16" MAX. 34-1/4"
- MA-CH101-1** 208V, 54WATT
MIN. 27-1/16" MAX. 34-1/4"
- MA-CH101-2** 120V, 54WATT
MIN. 27-1/16" MAX. 34-1/4"
- MA-CH101-3** 480V, 54WATT
MIN. 27-1/16" MAX. 34-1/4"
- MA-CH102** 240V, 60WATT
MIN. 25-3/4" MAX. 32-9/16"
- MA-CH102-1** 208V, 60WATT
MIN. 25-3/4" MAX. 32-9/16"
- MA-CH102-2** 120V, 60WATT
MIN. 25-3/4" MAX. 32-9/16"
- MA-CH103** 240V, 45WATT
MIN. 24-3/4" MAX. 31-9/16"
- MA-CH103-2** 120V, 45WATT
MIN. 24-3/4" MAX. 31-9/16"
- MA-CH135** 240V, 45WATT
MIN. 28-3/16" MAX. 35-5/8"

DIGITAL AND MECHANICAL SCALES



- MA-8250** DIAL SCALE 1LB TO 250LB
WITH MEMORY LOCK. 1LB GRADUATION
- MA-4010** DIGITAL SCALE 1/2LB TO 125LB
WITH DETACHABLE CONTROL PANEL WITH 9FT.
CORD AND LCD DISPLAY - OPERATES AC ADAPTOR
(INCLUDED) OR 1 9V BATTERY (NOT INCLUDED) 6
AUTO CALIBRATION - .02LB/60KG X .01
GRADUATION
- MA-4040** DIGITAL SCALE 1/2LB TO 400LB
WITH WALL MOUNT CONTROL PANEL WITH 6FT.
CORD AND LCD DISPLAY - OPERATES AC ADAPTOR
(INCLUDED) OR 1 9V BATTERY (NOT INCLUDED) 6
AUTO CALIBRATION - 1/2LB/.2KG GRADUATION

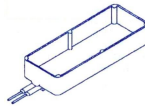
REFRACTOMETERS



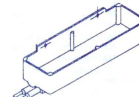
- MA-REF700** OIL
- MA-REF401F** GLYCOL (F)
- MA-REF401C** GYLCOL (C)

-This handheld refractometer, **MA-REF700**, is easy to use and accurately measures the mineral oil in a polyolester (POE) lubricant.
SPECIFICATIONS: Range1.435-1.520nD (with 3 scales)
-The **MA-REF401F**, measures the freezing point of ethylene or propylene glycol. The two Fahrenheit non-linear scales cover -60F to 32F for ethylene glycol and propylene glycol. The resolution of the temperature scale is 10F.
-The Celsius reading, **MA-REF401C** is also available.

CONDENSATE PANS



10" X 4" X 2-7/8"



10" X 4-1/2" X 3-3/8"

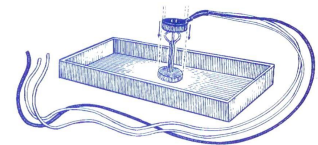
- MA-CP35-120** 38OZ. CAPACITY, 160W,120V
- MA-CP35-240** 38OZ. CAPACITY, 160W,220V
- MA-CP52-120** 50OZ. CAPACITY, 160W,115V
- MA-CP52-240** 50OZ. CAPACITY, 160W,220V

Made of die-cast aluminum, the MA-Line Condensate Evaporator Pan eliminates floor drains. The pan is self-standing and all terminals are covered with moisture proof rubber. The evaporation rate is 8 oz. per hour at 72°F room temperature. Ther units heating element is sealed in 1/4" bundyweld tubing.

UNIVERSAL DRAIN HEATER

MA-32950

REFRIGERATION DRAIN HEATER
PREVENTS DRAIN TUB ICING & PLUGGING
CAN BE USED ON ALL MODELS AND MAKES OF REFRIGERATORS



DRAIN PAN SAFETY SWITCH

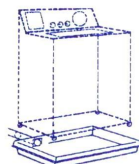


MA-J100

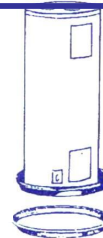
SPECIFICATIONS:
72" WIRE LEADS, 4 AMP RATING, 125/250VAC, UL RECOGNIZED

The MA-J100 Drain Pan Safety Switch is a water-level sensing device deigned to shut down air conditioning or refrigeration, in the event of a high water accumulation in the pan or reservoir. The switch is wired closed from the factory but can be field changed to open. The switch assembly comes with 72" wire leads and installation hardware.

PANS



MA-WP1



- MA-WHP22
- MA-WHP24
- MA-WHP26
- MA-WHP28
- MA-WHP32

Hot Water Heater Pans, made from tough, durable plastic. Easy to install and will not leak. Rustproof, one piece construction includes a 1" drain fitting.
Washing Machine Pans, fits under washing machine to protect floors and carpet from water overflow. Easy to install and includes a 1" drain fitting.

AUXILIARY CONDENSATE PANS

- MA-CP1** 28-3/4" X 33-3/4"
 - MA-CP2** 17" X 39-3/4"
- WATER HEATER PANS
- MA-WHP22** 20" - 22" OD DIA.
 - MA-WHP24** 22" - 24" OD DIA.
 - MA-WHP26** 24" - 26" OD DIA.
 - MA-WHP28** 26" - 28" OD DIA.
 - MA-WHP32** 30" - 32" OD DIA.
- WASHING MACHINE PAN
- MA-WP1** 29" - 27" ID DIA.



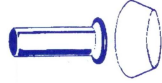
PLASTIC "Y" STRAINERS

øYö Strainer especially designed for removing sediment in small flow applications. Typical uses include: beverage dispensing, beverage cooling, vending machines, power humidifiers and ice machines. FDA approved, 125lbs. corrosion free 100 mesh screen plug which is easily removed for cleaning.

MA-S14 1/4" FPT

MA-S38 3/8" FPT

DELTRIN SLEEVE AND BRASS INSERT



MA-DS4 1/4" DELTRIN SLEEVE FOR 1/4" OD PLASTIC TUBING (25/PKG)

MA-DS6 3/8" DELTRIN SLEEVE FOR 3/8" OD PLASTIC TUBING (25/PKG)

MA-B14 1/4" BRASS INSERT 1/4" OD PLASTIC TUBING (25/PKG)

MA-B16 3/8" BRASS INSERT FOR 3/8" OD PLASTIC TUBING (25/PKG)



MA02525-2 HEAT GUN ONLY

MA02525-3 HEAT GUN KIT

INCLUDES: HEAT GUN, SCRAPER, 3) ASSORTED SCRAPING STYLES AND 4 ASSORTED BLOWER NOZZLES

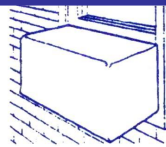
MA02525-EUKIT

EUROPEAN HEAT GUN KIT

SAME AS ABOVE WITH EUROPEAN CONTINENTAL PLUG

AC COVERS

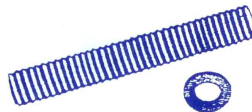
MA-AC14 34"DIA. X 30"H ROUND



MA-WU17 27"W X 18"H X 18"D STANDARD WINDOW

MA-WU21 28"W X 20"H X 30"D LARGE WINDOW

THREADED ROD, NUTS & WASHERS



THREADED ROD, PLAIN STEEL

MA-TR14 1/4" X 6' - 20

MA-TR516 5/16" X 6' - 18

MA-TR38 3/8" X 6' - 16

MA-TR12 1/2" X 6' - 13

NUTS AND WASHERS ARE 10/PKG AND PRICE PER PKG.

STEEL BRIGHT ZINC PLATED HEX NUTS FOR THREADED ROD

MA-N14 1/4" 6 20

MA-N516 5/16" 6 18

MA-N38 3/8" - 16

MA-N12 1/2" - 13

STEEL BRIGHT ZINC PLATED USS FLAT WASHERS FOR THREADED ROD

MA-W14 1/4"

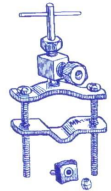
MA-W516 5/16"

MA-W38 3/8"

MA-W12 1/2"



ICEMAKER & HUMIDIFIER HOOK-UP KIT



MA-VIMK3 SELF PIERCING SADDLE VALVE MEETS NSF REQUIREMENTS

MA-VIMK4 1/4" DRILL TYPE SADDLE VALVE MEETS NSF REQUIREMENTS

MA-VIMK2 SELF-TAPPING SADDLE VALVE 6 CLAMP KIT 6 DOES NOT MEET NSF REQUIREMENTS

MA-IMK1 HUMIDIFIER KIT 6 INCLUDES SELF PIERCING SADDLE VALVE, 25øOF 1/4" OD POLYETHYLENE TUBING.

COPPER ICE MAKER AND HUMIDIFIER HOOK-UP KIT

MA-CIMK2 COPPER ICE MAKER

Meets NSF Requirements. Copper Tube Kit comes complete with 24' of copper tube and self tapping saddle valve, 1/4" x 1/8" compression x MIP connector, 1/4" compression union, 1/4" x 1/8" compression x MIP Elbow. Self-tapping valve installs on copper tube lines from 3/8" OD to 1-1/8" OD. No drilling required. Stainless steel pins prevent plug-ups and contamination.



CARBON MONOXIDE DETECTOR

MA-HU1



HOW DO I TEST? Remove from the sealed pack only when ready to use. If CO is present, the spot will turn gray or black. The spot will turn back to its original color when the air is clear of CO. If spot darkens after several months, replace the CO detector. Replace once per heating season. The shelf life in an unopened package is 3 years.

HOW FAST DOES IT WORK? (Based on 60% Relative Humidity)

CONCENTRATION	REACTION TIME
100ppm (.010%)	15-45 minutes
200ppm (.020%)	4-15 minutes
400ppm (.040%)	2-4 minutes

NOTE:
Reaction time is slightly faster when damp and slightly slower when dry. Even the slightest gray color indicates a dangerous carbon monoxide level.

PERMANENT MARKING PENS

MA-84002
BROAD TIP (12/BOX)



AIR DUCT CALCULATOR

5125



Handy size calculator uses only three sides to give all information needed when figuring duct size.

**EXPANDING POLYURETHANE
FOAM SEALANT
CLOSED CELL FOAM**



- MA-1-12X** SINGLE COMPONENT 12OZ. (12/CS)
- MA-11-12X** TWO COMPONENT 12 BD.FT. (12/CS)

The MA-Line Seal Foam is a **single** component polyurethane foam used as an insulating sealant. Create a durable air tight seal that will minimize air infiltration, outdoor noise, pest infiltration, and the transfers of odors. When applied it reduces the risk of damage from condensation, moisture and ice buildup. It reduces air conditioning and heating cost because it provides an excellent R-Value. MA-Line Seal Foam can provide greater sealing properties compared to other types or styles of sealants. Unlike caulks and other style sealants, MA-Line Seal Foam assumes the shape of cavity and forms an air tight seal. Does not shrink and will retain sealant properties for many years to come. Product is a UL classified sealant #13655 and Ashrea 90-75 listed.

The **two** component polyurethane foam is similar to the single component foam, but acts much faster, expands more, and cures much faster. Great for spraying overhead, as it adheres very readily to duct board and sheet metal. Each package provides 12 linear board feet or 1 cubic foot of foam. Ozone friendly closed cell product contains no UREA formaldehyde, sets up in 45 seconds and cures within 5 minutes.

BLACK FLASHING

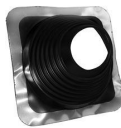


- MA-BFC** 12.8 OZ CARTRIDGE (12/CS)
- MA-BF1** 1GALLON CAN (4/CS)

ALL WEATHER-NEVER HARDENS
MEETS FEDERAL SPECIFICATIONS #SS-C-153C

MASTERFLASH

- MA-14050** 1/4" - 2" FITS 4-1/2" X 4-1/2" BASE
- MA-14051** 1-1/4" - 3" FITS 6" X 6" BASE
- MA-14052** 1/4" - 4" FITS 8" X 8" BASE
- MA-14053** 3" - 6" FITS 10" X 10" BASE
- MA-14054** 4" - 7" FITS 11" X 11" BASE
- MA-14055** 5" - 9" FITS 12" X 12" BASE
- MA-14056** 6" - 11" FITS 14" X 14" BASE
- MA-14057** 7" - 13" FITS 17" X 17" BASE



NO-CAULK ROOF FLASHINGS

- MA-11830** 1/2"-3/4"-1" SOLAR GALVANIZED BASE
- MA-11840** 1-1/4"-1-1/2" NON-CAULK GALVANIZED BASE
- MA-11853** 2" GALVANIZED BASE
- MA-11866** 3" GALVANIZED BASE
- MA-11879** 4" GALVANIZED BASE
- MA-14012** 2" ALL-FLEXIBLE, RUBBER BASE
- MA-14025** 2-1/2" ALL-FLEXIBLE, RUBBER BASE



This exclusive one-piece construction insures a positive leakproof installation every time. The specially formulated elastomeric collar allows the vent stack plenty of room for expansion and contraction. Not designed for hot-mopped or built up roofs. The All-Flexible flashings (MA-14012 & MA-14025) are manufactured from a specially formulated elastomer material which is extremely flexible and durable. Also allows room for the vent stack to expand and contract without disrupting the seal between pipe and flashing collar.



**CAULK
GUNS**
ALL STEEL



- MA-101** EZ THRUST CAULK GUN
- MA-102** HEAVY DUTY DELUXE CAULK GUN

**SILICONE CAULK
AND HIGH TEMP.
SILICONE CAULK**



- MA-SSC-CK** CLEAR CAULK (12/CS)
- MA-SSG-CK** GRAY CAULK (12/CS)
- MA-SSW-CK** WHITE CAULK (12/CS)
- MA-HTSS-R** RED HIGH TEMPERATURE CAULK (12/CS)

MA-Line Silicone Caulk is waterproof and weatherproof, FDA approved, permanently flexible, -60F to 450F, insulates and resealable. It meets FDA/USDA requirements for use in establishments operating under Federal Meat and Poultry Inspection Program. CFR 177.2600

MA-Line High Temperature Silicone Caulk is waterproof and weatherproof, FDA approved, permanently flexible, -84F to 500F, insulates thermally and electrically. Resealable. It meets FDA/USDA requirements for use in establishments operating under Federal Meat and Poultry Inspection Program. CFR 177.2600

FORMULATED TO PERFORM AT TEMPERATURES RANGING FROM -84F TO 500F (-65C TO 260C) FOR CONTINUOUS OPERATION AND TO 600F FOR INTERMITTENT EXPOSURE.

FURNACE CEMENT

- MA-HT1** 1 GAL. (4/CS)
- MA-HT64** 64OZ. (6CS)

ASBESTOS FREE, GRAY, HIGH HEAT CEMENT
TEMPERATURE RATING: 0F TO 3000F



REGULAR CEMENT FOR PVC PIPE AND FITTINGS

- MA-31012** 4 OZ. CAN (24/CS)
 - MA-31013** 8 OZ. CAN (24/CS)
 - MA-31014** 16 OZ. CAN (24/CS)
 - MA-31015** 32 OZ. CAN (12/CS)
- ALL PURPOSE CEMENT FOR ABS, PVC, CPVC

**PVC
CEMENT**

REGULAR



- MA-30818** 4 OZ. CAN (24/CS)
 - MA-30821** 8 OZ. CAN (24/CS)
 - MA-30834** 16 OZ. CAN (24/CS)
 - MA-30847** 32 OZ. CAN (12/CS)
- ALL WEATHER PVC CEMENT
- MA-31132** 16 OZ. CAN (24/CS)
 - MA-31133** 32 OZ. CAN (12/CS)



ALL PURPOSE



ALL WEATHER

ALL PURPOSE CEMENT: Heavy bodied clear cement for use on ABS, PVS, PVC, or CPVC pipe & fittings. Flows freely & provides a thick layer of cement on the pipe. Exceeds ASTM D2564, D2846, D-2235 and F-493. Application temperature 40F to 100F.

REGULAR CLEAR CEMENT: For PVC pipe and fittings, up to 4" SCH 40 & up to 2" for SCH 80 potable water pressure pipe, gas conduit, drain waste & vent pipe. Application temperature 40F to 100F.

CLEAR ALL WEATHER PVC CEMENT: For PVC pipe, good in all types of weather.

PIPE JOINT COMPOUND WITH TEFLON

- MA-31229** 1 FL.OZ. TUBE (12/CS)
- MA-31230** 4 FL.OZ. WITH BRUSH TOP (12/CS)
- MA-31231** 8 FL.OZ. WITH BRUSH TOP (12/CS)

A white, non-hardening, non-separating Teflon paste seals all threaded connections against leakage for internal pressure. Withstands 10,000 psi at -100F to 600F and formulated for use on water steam, natural and LP gas, oil, caustics, or dilute acid lines. May be used with PVC, CPVC, ABS, Cylolac, Polypropylene, iron, steel or copper threads. **Do not use on oxygen, fluorine, or molten metal lines.**



PIPE JOINT COMPOUND

- MA-31226** 1 FL.OZ. TUBE (12/CS)
- MA-31227** 4 FL.OZ. BRUSH TOP (12/CS)
- MA-31228** 8 FL.OZ. BRUSH TOP (12/CS)

A fast set non-hardening paste which lubricates and seals threaded joints. Non-toxic and may be used on water, natural gas, steam and air lines. It's perfect for applying gaskets to flanges.



- MA-322-2**
2" X 50 YARDS (24/CASE)
- MA-322-3**
3" X 50 YARDS (16/CASE)



ALUMINUM FOIL TAPE

FEATURES:
DESIGNED FOR TAPING JOINTS AND SEAMS TO KEEP OUT MOISTURE AND VAPOR ON FOIL JACKETING INSULATION
TEMPERATURE RANGE: 32F TO 302F (0C TO 150C)

- MA-C950** (48/CASE)
1/2" X 520"
- MA-C950-4** (4/PKG)
1/2" X 520"



TEFLON THREAD SEAL TAPE

FEATURES:
MA-LINE OFFERS MORE VALUE WITH OUR TEFLON BRAND, HIGH QUALITY SEAL TAPE.

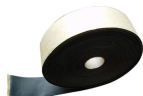
- MA-CT1** (12/CASE)
1/8" X 2" X 30'



CORK TAPE

FEATURES:
ADHERES FIRMLY TO ALL METALS & PREVENTS CONDENSATION AND DRIPPING & CAN BE USED ON HOT OR COLD PIPES

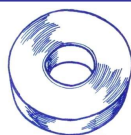
- MA-FT1** (12/CASE)
1/8" X 2" X 30'



FOAM TAPE

FEATURES:
CAN BE USED ON HOT AND COLD PIPES & PREVENTS CONDENSATION AND DRIPPING & WORKS WELL AROUND VALVES AND FITTINGS

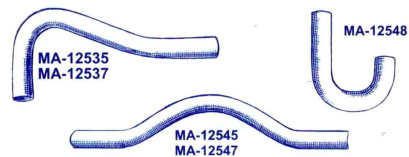
- MA-398** SILVER
2" X 60 YARDS (24/CASE)
- MA-398BL** BLACK
2" X 60 YARDS (24/CASE)



DUCT TAPE

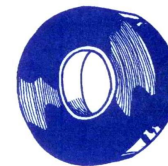
FEATURES:
INDUSTRIAL GRADE & 8 MIL THICKNESS & ADHESIVE NATURAL RUBBER

- MA-12535** 1/2" 600PSI PVC P-TRAP
- MA-12537** 3/4" 480PSI PVC P-TRAP
- MA-12545** 1/2" 600PSI PVC R-TRAP
- MA-12547** 3/4" 480PSI PVC R-TRAP
- MA-12548** 3/4" 480PSI PVC J-TRAP



CONDENSATE PVC TRAPS

- MA-C6408**
3/4" X 60" (10/PKG)
- MA03364-2**
3/4" X 60" (3/PKG)



MA-LINE ELECTRICAL TAPE

3M PREMIUM ELECTRICAL TAPE & VINYL COLOR CODING TAPE



- MA-C6433** SUPER 33+ BLACK/7 MIL THICKNESS
- MA-C6488** SUPER 88+ BLACK/8.5 MIL THICKNESS
- MA-C6435G** GRAY/7 MIL THICKNESS
- MA-C6435B** BLUE/7 MIL THICKNESS
- MA-C6435O** ORANGE/7 MIL THICKNESS
- MA-C6435R** RED/7 MIL THICKNESS
- MA-C6435W** WHITE/7 MIL THICKNESS
- MA-C6435Y** YELLOW/7 MIL THICKNESS
- MA-C6435GN** GREEN/7 MIL THICKNESS
- MA-C6435BR** BROWN/7 MIL THICKNESS

MADE IN USA & UL & CSA LISTED
3/4" X 66' & UV RESISTANT
10 ROLLS PER CARTON

3M SPLICING TAPE

- MA-C2242** 3/4" X 15' ROLL 24/CASE

FEATURES:
ALL PURPOSE RUBBER TAPE USED FOR ALL VOLTAGE SPLICING, JACKETING AND GENERAL INSULATION



MADE IN USA

RUBBER STRAPS



The EPDM Rubber Tie Down rubber is oil, ozone and chemical resistant. It will not fade in ultraviolet light and can be used in temperatures ranging from 20°F to 120°F.



- MA-1109** 10" MAX.SAFE STRETCH 15"
- MA-1115** 15" MAX.SAFE STRETCH 22"
- MA-1122** 20" MAX.SAFE STRETCH 32"
- MA-1131** 31" MAX.SAFE STRETCH 46"
- MA-1141** 41" MAX.SAFE STRETCH 62"
- MA-76110** ASSORTED RUBBER STRAPS (2) 10", (3) 15", (3) 20", & (2) 31"

NYLON STRAPS

- MA-S30** 30"
- MA-S60** 60"
- MA-S144** 144"
- MA-RS300** 15' RATCHETING TIE DOWN STRAP



POLYPROPYLENE ROPE

COLOR: YELLOW

TENSILE STRENGTH:
1/4" DIA. 1250 LBS.
3/8" DIA. 2700 LBS.

- MA-0360** 1/4" X 50'
- MA-0361** 1/4" X 100'
- MA-0362** 3/8" X 50'
- MA-0363** 3/8" X 100'



This 100% twisted 3 strand monofilament polypropylene has twice the strength of manila rope. Resistant to rot, abrasion, petroleum products, marine growth and most chemicals. It floats.

MOTOR MOUNTING BRACKET

INCLUDES: GROMMETS AND EYELETS



- MA-FM50** 5" TORSION BRACKET
- MA-FM55** 5.5" TORSION BRACKET

For use with direct Drive Blower Motors

MOTOR MOUNTING BRACKET

INCLUDES: GROMMETS AND EYELETS



- MA-FM554A** 5-5/8" TORSION BRACKET WITH 4 LEGS

For use with direct Drive Blower Motors

MOUNTING BRACKETS

INCLUDES: BRACKET, SLEEVES, STEEL SCREWS, & RUBBER GROMMETS



- MA60042** 5" ID -42 FRAME
- MA60048** 5.5"-48 FRAME

LUG MOUNTING BRACKETS

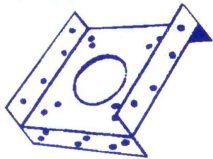
- MA80293** FOR 5.5" MOTORS



RHEEM MOUNTING BRACKET

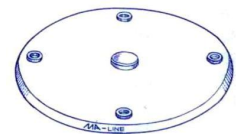
- MA60306K**

Replaces cables used to mount motors on Rheem Condensing units



CONDENSER FAN RAIN SHIELD

- MA61000** 1/2"ID X 6.88"OD
- MA61056** 5/8"ID X 6.88"OD
- MA80105** 1/2"ID X 7.00"OD



RUBBER GROMMET KIT

- MA60049K**
Used for 3/4" slots
Screws & sleeves included



COMPRESSOR MOUNTING GROMMETS & SLEEVES

- MA-9001** 1 TO 5 TONS
- MA-9002** 7-1/2 TO 10 TONS
- MA-9003** 12 TO 24 TONS

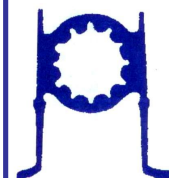
4/PKG



MOUNTING BRACKET

- MA68004**

Adjustable bracket for unit bearing motors.



3 PINT HAND PUMP SPRAYER

- MA-41500**

Adjustable spray nozzle, trigger may be locked for continuous operation, chemical resistant.



PUMP STYLE PLASTIC SPRAYERS

- MA-00106** 1 GALLON
- MA-00205** 2 GALLON
- MA-00304** 3 GALLON

FEATURES:
COMPRESSION SPRAYER
ADJUSTABLE NOZZLE
CORROSION RESISTANT
DURABLE EXTENSION WAND



TRIGGER SPAYERS

- MA-8016** PINT (12/CASE)
- MA-8032** QUART (12/CASE)

Multi-purpose trigger Sprayer for almost any cleaning solution. An adjustable nozzle for a fine mist or solid stream. Has a durable polymer head and polyethylene bottle.





FAN BLADE PITCH GAUGE

MA-PG1

LIGHT WEIGHT, GENERAL PURPOSE REPLACEMENT PLASTIC FAN BLADES



Our 4 and 5 blade general purpose replacement fan blades have diameters ranging from 3" to 8". They are available for 1/8", 3/16", 1/4" & 5/16" shaft sizes. The rotation is identified by color. White is CW (clockwise) rotation and grey is for CCW (counter clockwise) rotation. All are with integral hub.



PLASTIC REPLACEMENT VENT HOOD FAN BLADES

DIRECT REPLACEMENT FOR DUCTED AND NON-DUCTED VENT HOODS

MA-CW665 6-5/8" DIAMETER, CW ROTATION, PITCH 12, SHAFT SIZE 7/32", 5 BLADES

V-BELTS MADE TO PERFORM

3L FHP V-BELTS 3/8" TOP WIDTH 7/32" THICK
 4L (A) V-BELTS 1/2" TOP WIDTH 11/32" THICK
 5L (B) V-BELTS 21/32" TOP WIDTH 13/16" THICK

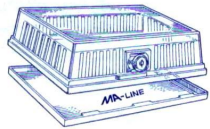


PART#	ROTATION	PITCH	SHAFT SIZE	#OF BLADES	DIA. INCHES
MA-CW300	CW	32	1/8"	4	3
MA-CW301	CW	32	3/16"	4	3
MA-CW401	CW	27	1/8"	5	4
MA-CCW403	CCW	27	1/8"	5	4
MA-CCW404	CCW	27	3/16"	5	4
MA-CW406	CW	35	1/8"	4	4
MA-CW501	CW	22	3/16"	5	5
MA-CW502	CW	22	1/4"	5	5
MA-CW503	CW	22	5/16"	5	5
MA-CCW504	CCW	22	3/16"	5	5
MA-CCW505	CCW	22	1/4"	5	5
MA-CCW550	CCW	22	3/16"	4	5-1/2
MA-CW601	CW	26	3/16"	4	6
MA-CCW605	CCW	24	1/4"	4	6
MA-CCW606	CCW	24	5/16"	4	6
MA-CW650	CW	24	3/16"	5	6-1/2
MA-CW652	CW	24	5/16"	5	6-1/2
MA-CW701	CW	30	1/4"	5	7
MA-CCW703	CCW	25	1/4"	5	7
MA-CW801	CW	38	1/4"	5	8
MA-CW802	CW	38	5/16"	5	8

PART #	OUTSIDE LENGTH	PART #	OUTSIDE LENGTH
MA3L310	31	MA4L230	23
MA3L320	32	MA4L240	24
MA3L330	33	MA4L250	25
MA3L340	34	MA4L260	26
MA3L350	35	MA4L270	27
MA3L360	36	MA4L280	28
MA3L370	37	MA4L290	29
MA3L380	38	MA4L300	30
MA3L390	39	MA4L310	31
MA3L400	40	MA4L320	32
MA3L410	41	MA4L330	33
MA3L420	42	MA4L340	34
MA3L430	43	MA4L350	35
MA3L440	44	MA4L360	36
MA3L450	45	MA4L370	37
MA3L460	46	MA4L380	38
MA3L470	47	MA4L390	39
MA3L480	48	MA4L400	40
		MA4L410	41
MA4L170	17	MA4L420	42
MA4L180	18	MA4L430	43
MA4L190	19	MA4L440	44
MA4L200	20	MA4L450	45
MA4L210	21	MA4L460	46
MA4L220	22	MA4L470	47

PART #	OUTSIDE LENGTH	PART #	OUTSIDE LENGTH	PART #	OUTSIDE LENGTH
MA4L480	48	MA4L720	72	MA5L510	51
MA4L490	49			MA5L520	52
MA4L500	50	MA5L290	29	MA5L530	53
MA4L510	51	MA5L300	30	MA5L540	54
MA4L520	52	MA5L310	31	MA5L550	55
MA4L530	53	MA5L320	32	MA5L560	56
MA4L540	54	MA5L330	33	MA5L570	57
MA4L550	55	MA5L340	34	MA5L580	58
MA4L560	56	MA5L350	35	MA5L590	59
MA4L570	57	MA5L360	36	MA5L600	60
MA4L580	58	MA5L370	37	MA5L610	61
MA4L590	59	MA5L380	38	MA5L620	62
MA4L600	60	MA5L390	39	MA5L630	63
MA4L610	61	MA5L400	40	MA5L640	64
MA4L620	62	MA5L410	41	MA5L650	65
MA4L630	63	MA5L420	42	MA5L660	66
MA4L640	64	MA5L430	43	MA5L670	67
MA4L650	65	MA5L440	44	MA5L680	68
MA4L660	66	MA5L450	45	MA5L690	69
MA4L670	67	MA5L460	46	MA5L700	70
MA4L680	68	MA5L470	47	MA5L710	71
MA4L690	69	MA5L480	48	MA5L720	72
MA4L700	70	MA5L490	49		
MA4L710	71	MA5L500	50		

LOW PROFILE STYLE



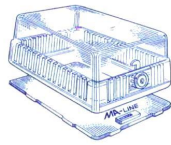
INCLUDES:
SOLID BASE
&
RING BASE

MA-BTGDK CLEAR PLASTIC
MA-BTGDDB BRONZE PLASTIC
MA-F336 UNIVERSAL KEY

INSIDE DIMENSIONS:
DUAL SOLID BASE:
4-1/4"H x 7-5/8"W
DUAL RING BASE:
4-1/8"H x 7-1/16"W

THERMOSTAT COVERS

DELUXE SERIES



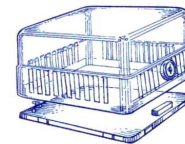
INCLUDES:
SOLID BASE
&
RING BASE

MA-BTGRK CLEAR PLASTIC
MA-F336 UNIVERSAL KEY

INSIDE DIMENSIONS:
SOLID BASE:
6-3/8"H x 3-1/2"W x 3"D
RING BASE:
6-3/8"H x 3-1/2"W x 3-1/4"D

The Deluxe Series is ideal for horizontal and vertical standard size wall thermostats.

SMALL & COMPACT



INCLUDES:
SOLID BASE

MA-BTGEK CLEAR PLASTIC
MA-F336 UNIVERSAL KEY

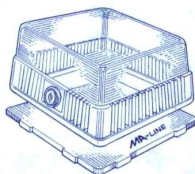
INSIDE DIMENSIONS:
SOLID BASE:
3-1/2"H x 3-7/8"W x 2-1/2"D

MEDIUM SIZE



MA-BTGK
INCLUDES:
SOLID & RING BASE

MA-BTGKM
INCLUDES:
SOLID BASE ONLY



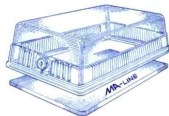
MA-BTGK CLEAR PLASTIC
MA-BTGKM BEIGE METAL
MA-F336 UNIVERSAL KEY

INSIDE DIMENSIONS:
SOLID BASE:
4-3/8"H x 5-1/4"W x 3"D
RING BASE:
4-5/8"H x 5-1/4"W x 3-1/4"D

UNIVERSAL SERIES

MA-BTGUK2

MA-BTGUM
MA-BTGUWM



MA-BTGUK2 CLEAR PLASTIC
INCLUDES A RING AND SOLID BASE
MA-BTGUM BEIGE, METAL
INCLUDES SOLID BASE
MA-BTGUWM BEIGE, METAL
INCLUDES RING BASE
MA-F336 UNIVERSAL KEY

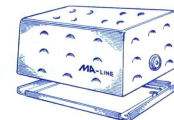
PLASTIC INSIDE DIMENSIONS:

SOLID BASE: 8-1/4"H x 5-3/8"W x 3-1/2"D
RING BASE: 8-1/8"H x 4-5/8"W x 3-5/8"D

METAL INSIDE DIMENSIONS:

SOLID BASE: 7-1/4"H x 5-3/8"W x 3-1/2"D
RING BASE: 6-3/4"H x 4-1/4"W x 3-9/16"D

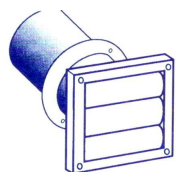
TAMPER PROOF SERIES



MA-BTG54VL BEIGE,
METAL, SOLID BASE
MA-BTG54VLW BEIGE,
METAL, RING BASE
MA-F336 UNIVERSAL KEY

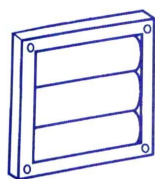
INSIDE DIMENSIONS:
SOLID BASE:
6-1/4"H x 4-3/4"W x 3"D
RING BASE:
6"H x 3-13/16"W x 3-1/8"D

The Tamper Proof Series is strong and completely tamper proof. This strong thermostat cover can be mounted horizontal or vertical.



LOUVERED VENT HOOD
INCLUDES HOOD,
ALUMINUM PIPE
& COLLAR

ASSEMBLED
MA-SVHAW4 4" WHITE
MA-SVHAB4 4" BROWN
UNASSEMBLED
MA-SVHUW4 4" WHITE
MA-SVHUB4 4" BROWN

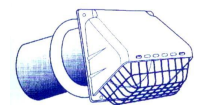


LOUVERED VENT HOOD

WITHOUT BIRD GUARD
MA-HS4W 4" WHITE
MA-HS4B 4" BROWN
WITH BUILT IN BIRD GUARD
MA-HSB4W 4" WHITE
MA-HSB4B 4" BROWN

DRYER-VENT WIDE MOUTH HOOD

INCLUDES HOOD,
ALUMINUM PIPE
& COLLAR



ASSEMBLED
MA-RVHAW4 4" WHITE
MA-RVHAB4 4" BROWN
UNASSEMBLED
MA-RVHUW4 4" WHITE
MA-RVHUB4 4" BROWN

UNIVERSAL BIRD & PEST GUARD

FITS OVER ANY 3" OR 4" VENT HOOD



MA-UBGWB WHITE
MA-UBGBB BROWN



CLAMPS

MA-MSC4100
4" SPRING TENSION



MA-MC450
4" METAL WORM DRIVE

METALLIC DUCT

-2-PLY WITH REINFORCED SCRIM
-UL LISTED 181A CLASS 1 AIR CONDITIONER



MA-FLS0325 3" X 25'
MA-FLS0425 4" X 25'
MA-FLS0450 4" X 50'

SEMI RIDGID ALUMINUM DUCT (SEMI-FLEXIBLE)



MA-A038 3" X 8'
MA-A048 4" X 8'

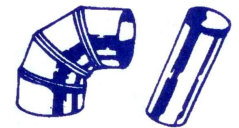
AIR DEFLECTOR

MA-99 MAGNET ADJUSTABLE 10"-14"
MA-51 WALL REGISTER ADJUSTABLE 10"-16"



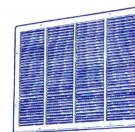
ALUMINUM PIPE & ELBOWS

MA-DE904 4" X 90°
MA-DP244 4" X 24"

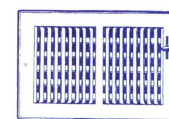


REGISTERS, GRILLS AND DIFFUSERS

PART#	OPENING SIZE (INCHES)	FREE AREA SQ. IN.	PER CTN	OVERALL SIZE (INCHES)
372W SERIES RETURN GRILL				
372W8X8	8 X 8	43	10	9-7/8 X 9-7/8
372W10X4	10 X 4	26	10	11-7/8 X 5-7/8
372W10X6	10 X 6	39	10	11-7/8 X 7-7/8
372W10X8	10 X 8	52	10	11-7/8 X 9-7/8
372W12X4	12 X 4	31	10	13-7/8 X 5-7/8
372W12X6	12 X 6	47	10	13-7/8 X 7-7/8
372W12X8	12 X 8	64	10	13-7/8 X 9-7/8
372W12X12	12 X 12	96	10	13-7/8 X 13-7/8
372W14X6	14 X 6	56	10	15-7/8 X 7-7/8
372W14X8	14 X 8	75	10	15-7/8 X 9-7/8
372W14X14	14 X 14	132	10	15-7/8 X 15-7/8
372W14X20	14 X 20	182	10	15-7/8 X 21-7/8
372W20X20	20 X 20	262	5	21-7/8 X 21-7/8
372W30X6	30 X 6	118	5	31-7/8 X 7-7/8
382W SERIES SIDEWALL REGISTER				
382W8X4-R	8 X 4	18	10	9-1/2 X 5-1/2
382W8X6-R	8 X 6	29	10	9-1/2 X 7-1/2
382W8X8-R	8 X 8	40	10	9-1/2 X 9-1/2
382W10X4-R	10 X 4	24	10	11-1/2 X 5-1/2
382W10X6-R	10 X 6	38	10	11-1/2 X 7-1/2
382W10X8-R	10 X 8	52	10	11-1/2 X 9-1/2
382W12X4-R	12 X 4	30	10	13-1/2 X 5-1/2
382W12X6-R	12 X 6	46	10	13-1/2 X 7-1/2
382W12X8-R	12 X 8	63	10	13-1/2 X 9-1/2
382W14X4-R	14 X 4	35	10	15-1/2 X 5-1/2
382W14X6-R	14 X 6	55	10	15-1/2 X 7-1/2
382W14X8-R	14 X 8	75	10	15-1/2 X 9-1/2
413B SERIES FLOOR DIFFUSER BROWN				
413B2X10-R	10 X 2-1/4	13	10	11-5/16 X 3-9/16
413B4X10-R	10 X 4	25	10	11-5/16 X 5-5/16
413B2X12-R	12 X 2-1/4	16	10	13-5/16 X 3-9/16
413B4X12-R	12 X 4	30	10	13-5/16 X 5-5/16



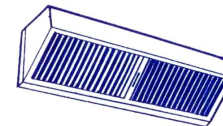
372 SERIES



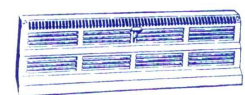
382 SERIES



1800B SERIES



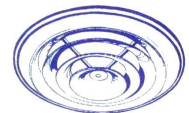
3015 SERIES



3018 SERIES



413 SERIES



1500 SERIES

PART#	OPENING SIZE (INCHES)	FREE AREA SQ. IN.	PER CTN	OVERALL SIZE (INCHES)
3015W SERIES DIFFUSER				
3015W15-R	15	38	12	15
3018W SERIES DIFFUSER				
3018W18-R	18	33	12	18
1500W SERIES CEILING DIFFUSER WHITE				
1500W6	6	23	10	10
1500W8	8	40	10	12
1500W10	10	61	10	14
1800B SERIES ROUND DAMPER				
1800B6	6	6	10	6-3/4
1800B8	8	8	10	9-1/2
1800B10	10	10	10	11-1/2

UNIT COOLERS FOR REFRIGERATED CABINETS

MEDIUM TEMPERATURE – AIR DEFROST

PART#	BTU/HR 10° T.D.	DIMENSIONS			CFM	FAN DIA.	115V MTR AMPS	CONNECTIONS			APPROX. SHIP WT.
		H.	W.	D.				INLET	SUCTION	DRAIN	
MALS-55A	550	5	10	14	125	5-1/4	.65	3/8 OD	1/2 OD	1/2 OD	9
MALS-105A	1050	5	16-1/2	14	125	5-1/4	.65	3/8 OD	1/2 OD	1/2 OD	12
MALS-135A	1350	5	20-1/2	14	225	(2) 5-1/4	1.30	3/8 OD	1/2 OD	1/2 OD	16
MALS-190A	1700	4-1/2	24	14-1/2	225	(2) 5-1/4	1.30	1/2 OD	1/2 OD	1/2 OD	21
MALS-240A	2400	6-5/8	24	16-1/2	300	8	.73	1/2 OD	1/2 OD	1/2 OD	24
MALS-320A+	3000	4-1/2	40	14-1/2	350	(3) 5-1/4	1.95	1/2 OD	1/2 OD	1/2 OD	33
MALS-410A+	4300	4-1/2	58-3/8	14-1/2	475	(4) 5-1/4	2.60	1/2 OD	1/2 OD	1/2 OD	44

COATED COILS

MALS-55A-P	550	5	10	14	125	5-1/4	.65	1/2 OD	1/2 OD	1/2 OD	9
MALS-105A-P	1050	5	16-1/2	14	125	5-1/4	.65	1/2 OD	1/2 OD	1/2 OD	12
MALS-135A-P	1350	5	20-1/2	14	225	(2) 5-1/4	1.30	1/2 OD	1/2 OD	1/2 OD	16
MALS-190A-P	1700	4-1/2	24	14-1/2	225	(2) 5-1/4	1.30	1/2 OD	1/2 OD	1/2 OD	21

STANDARD 115/60/1 (230/60/1 OPTIONAL)

* Low silhouette design for maximum use of shelf area * Textured aluminum cabinet * Moisture-proof wiring harness * Full-hard temper aluminum fins and seamless copper tubing * Drain pan and bottom panel are on piece for easy servicing * Adapts easily as a replacement unit or original equipment * Durable poly carbonate fans and fan guards MALS-55A, MALS-105A, and MALS-135A (also applies to the coated coils) * Aluminum fans and plated steel fan guards MALS-190A, MALS-240A, MALS-320A, and MALS-410A(also applies to the coated coils) * Thermally protected, permanently lubricated motors * Expansion valve mounts inside cabinet * UL recognized ó NSF approved * + Indicates that external equalized expansion valve is recommended (external equalizer tube field installed)



LOW TEMPERATURE – ELECTRIC DEFROST

PART#	BTU/HR 10° T.D.	DIMENSIONS			CFM	FAN DIA.	MTR AMPS	HEATERS AMPS - WATTS	CONNECTIONS			APPROX. SHIP WT.
		H.	W.	D.					INLET	SUCTION	DRAIN	
MALS-50E1	500	5	10	14	125	5-1/4	.65	1.80-215	3/8 OD	1/2 OD	1/2 OD	10
MALS-95E1	950	5	16-1/2	14	125	5-1/4	.65	4.20-480	3/8 OD	1/2 OD	1/2 OD	13
MALS-125E1	1250	5	20-1/2	14	200	(2) 5-1/4	1.30	4.31-495	3/8 OD	1/2 OD	1/2 OD	17
MALS-160E1	1600	5	24-1/2	15	225	(2) 5-1/4	1.30	5.05-580	3/8 OD	1/2 OD	1/2 OD	19
MALS-210E1+2100	2100	6-5/8	24	16-1/2	300	8	.73	7.52-865	1/2 OD	1/2 OD	1/2 OD	24
MALS-210E2+2100	2100	6-5/8	24	16-1/2	300	8	.45	3.83-880	1/2 OD	1/2 OD	1/2 OD	24
MALS-280E1+2800	2800	8	30-5/8	20-3/8	400	10	.73	9.80-1125	1/2 OD	5/8 OD	5/8 MF	38
MALS-280E2+2800	2800	8	30-5/8	20-3/8	400	10	.45	4.90-1125	1/2 OD	5/8 OD	5/8 MF	38
MALS-360E2+3600	3600	7-1/2	38	18-1/4	600	(2) 8	.90	6.10-1400	1/2 OD	5/8 OD	5/8 MF	47
MALS-540E2+5400	5400	7-1/2	50	18-1/4	800	(3) 8	1.35	8.00-1850	1/2 OD	5/8 OD	5/8 MF	145

E1 MODELS 115/60/1

E2 MODELS 230/60/1

* Low silhouette design for maximum use of shelf area * High quality, easily replaceable tubular heater with moisture proof, odor free, molded neoprene sealed ends * Positive contact between heaters and drain pan eliminates freeze-up * Defrost termination switch and fan delay control insures defrost without overheating * Durable polycarbonate fans and fan guards MALS-50E, MALS-95E1, MALS-125E1 and MALS-160E1 * Aluminum fans and plated steel fan guards MALS-210E1, MALS-210E2, MALS-360E2, and MALS-540E2 * UL recognized ó NSF approved * + Indicates external equalized expansion valve is recommended (external equalizer Tube field installed)



MEDIUM TEMPERATURE – AIR DEFROST

PART#	BTU/HR 10° T.D.	DIMENSIONS			CFM	FAN DIA.	MTR AMPS	CONNECTIONS			APPROX. SHIP WT.
		H.	W.	D.				INLET	SUCTION	DRAIN	
MASF-105	1000	9	11-3/8	14	300	8	.73	3/8 OD	3/8 OD	1/2 OD	14
MASF-135	1300	9	14-3/8	14	300	8	.73	3/8 OD	3/8 OD	1/2 OD	16
MASF-175	1700	9	17-3/8	14	300	8	.73	3/8 OD	3/8 OD	1/2 OD	18
MASF-235	2300	9-7/8	20-3/8	15	300	8	.73	3/8 OD	1/2 OD	1/2 OD	22
MASF-305+	3000	11	23-3/8	16	500	10	.75	1/2 OD	1/2 OD	1/2 OD	27
MASF-105-P	1000	9	11-3/8	14	300	8	.73	3/8 OD	3/8 OD	1/2 OD	14
MASF-135-P	1300	9	14-3/8	14	300	8	.73	3/8 OD	3/8 OD	1/2 OD	16
MASF-175-P	1700	9	17-3/8	14	300	8	.73	3/8 OD	3/8 OD	1/2 OD	18
MASF-235-P	2300	9-7/8	20-3/8	15	300	8	.73	3/8 OD	1/2 OD	1/2 OD	22
MASF-305-P+3000	3000	11	23-3/8	16	500	10	.75	1/2 OD	1/2 OD	1/2 OD	27

STANDARD 115/60/1 (230/60/1 OPTIONAL)

* Compact unit for ceiling mounting * Drain pan and bottom panel are one piece for easy servicing * Tectured aluminum cabinet * Exclusive øOff-Centerø construction reduces the number of welded return bends. øWhere there are no joints, there are no leaks.ø * Full-hard temper aluminum fins and seamless copper tubing * Adapts easily as a replacement unit or original equipment * Aluminum fans and plated steel fan guards * Thermal protected, permanently lubricated motors * Moisture-proof wiring harness *Expansion valve mounts inside cabinet * UL recognized ó NSF approved * + Indicates external equalized expansion valve is recommended (external equalizer tube field installed)



UNIT COOLERS FOR REFRIGERATED CABINETS

MEDIUM TEMPERATURE – AIR DEFROST

PART#	BTU/HR 10° T.D.	DIMENSIONS			CFM	FAN DIA.	MTR AMPS	CONNECTIONS			APPROX. SHIP WT.
		H.	W.	D.				INLET	SUCTION	DRAIN	
MAMJ-40	400	7	13-5/8	8	125	5-1/4	.65	3/8 OD	3/8 OD	1/2 OD	7
MAMJ-70	700	7	13-5/8	8	125	5-1/4	.65	3/8 OD	3/8 OD	1/2 OD	9
MAMJ-90	900	7	13-5/8	9	125	5-1/4	.65	3/8 OD	3/8 OD	1/2 OD	10
MAMJ-120	1200	7	20-5/8	9	250	(2) 5-1/4	1.30	3/8 OD	3/8 OD	1/2 OD	15
COATED COILS											
MAMJ-40-P	400	7	13-5/8	8	125	5-1/4	.65	3/8 OD	3/8 OD	1/2 OD	7
MAMJ-70-P	700	7	13-5/8	8	125	5-1/4	.65	3/8 OD	3/8 OD	1/2 OD	9
MAMJ-90-P	900	7	13-5/8	9	125	5-1/4	.65	3/8 OD	3/8 OD	1/2 OD	10
MAMJ-120-P	1200	7	20-5/8	9	250	(2) 5-1/4	1.30	3/8 OD	3/8 OD	1/2 OD	15



* Compact unit for ceiling or wall mount * Front panel and drain pan are on piece for easy servicing * Textured aluminum cabinet * Exclusive δOff-Centerδ construction reduces the number of welded return bends. δWhere there are no joints, there are no leaks.δ * Full-hard temper aluminum fins and seamless copper tubing * Adapts easily as a replacement unit or original equipment * Durable poly carbonate fans and fan guards * Thermally protected, permanently lubricated motors * Moisture-proof

MEDIUM TEMPERATURE – AIR DEFROST

PART#	BTU/HR 10° T.D.	DIMENSIONS			CFM	FAN DIA.	MTR AMPS	CONNECTIONS			APPROX. SHIP WT.
		H.	W.	D.				INLET	SUCTION	DRAIN	
MATM-100	1000	4-5/8	20-3/8	16	125	5-1/4	.65	3/8 OD	3/8 OD	1/2 OD	11
MATM-135	1350	4-5/8	20-3/8	16	250	(2) 5-1/4	1.30	3/8 OD	3/8 OD	1/2 OD	15
MATM-180	1800	4-5/8	20-3/8	16	250	(2) 5-1/4	1.30	3/8 OD	3/8 OD	1/2 OD	15
MATM-250	2500	5-5/8	20-3/8	16	300	8	.73	3/8 OD	3/8 OD	1/2 OD	16
COATED COILS											
MATM-100-P	1000	4-5/8	20-3/8	16	125	5-1/4	.65	3/8 OD	3/8 OD	1/2 OD	11
MATM-135-P	1350	4-5/8	20-3/8	16	250	(2) 5-1/4	1.30	3/8 OD	3/8 OD	1/2 OD	15
MATM-180-P	1800	4-5/8	20-3/8	16	250	(2) 5-1/4	1.30	3/8 OD	3/8 OD	1/2 OD	15
MATM-250-P	2500	5-5/8	20-3/8	16	300	8	.73	3/8 OD	3/8 OD	1/2 OD	16



* Low silhouette design for maximum use of shelf area * Two-way air discharge for maintaining uniform box temperature * Textured aluminum cabinet * Exclusive δOff-Centerδ construction reduces the number of welded joints. δWhere there are no joints, there are no leaks.δ * Full-hard temper aluminum fins and seamless copper tubing * Moisture-proof wiring harness * Adapts easily as a replacement unit or original equipment * Durable poly carbonate fans and fan guards MATM100, MATM-135, MATM180 (also applies to the coated coils) * Aluminum fan and plated steel fan guard MATM-250 (also applies to the coated coils) * Thermally protected, permanently lubricated motors * Expansion valve mounts inside cabinet * UL Recognized δ NSF approved *

UNIT COOLERS FOR REFRIGERATED ROOMS

MEDIUM TEMPERATURE – AIR DEFROST

PART#	BTU/HR 10° T.D.	DIMENSIONS			CFM	FAN DIA.	MTR AMPS	HEATERS AMPS-WATTS	CONNECTIONS			APPROX. SHIP WT.
		H.	W.	D.					INLET	SUCTION	DRAIN	
MAPLP-380	3800	13-1/2	22-1/2	12-1/4	600	10	1.70		1/2 OD	5/8 OD	1 FPT	35
MAPLP-500	5000	13-1/2	27	12-1/4	600	10	1.70		1/2 OD	7/8 OD	1 FPT	38
MAPLP-600	6000	13-1/2	33	12-1/4	600	10	1.70		1/2 OD	7/8 OD	1 FPT	46
MAPLP-750	7500	13-1/2	38	12-1/4	1200	(2)10	3.40		1/2 OD	7/8 OD	1 FPT	55
MAPLP-1000	10000	13-1/2	45	12-1/4	1200	(2)10	3.40		1/2 OD	7/8 OD	1 FPT	67
MAPLP-1500	15000	13-1/2	63	12-1/4	1800	(3)10	5.10		1/2 OD	7/8 OD	1 FPT	90
MAPLP-2000	20000	13-1/2	81	12-1/4	2400	(4)10	6.80		1/2 OD	1-1/8 OD	1 FPT	120
MAPLP-2500	25000	13-1/2	99	12-1/4	3000	(5)10	8.50		1/2 OD	1-1/8 OD	1 FPT	155
MAPLP-3000	30000	13-1/2	117	12-1/4	3600	(6)10	10.20		1/2 OD	1-1/8 OD	1 FPT	180

* For medium temperature walk-in storage rooms * Low silhouette height of only 13-1/2" * Flush ceiling mount * UL Recognized δ NSF approved * Removable side panel and hinged drain pan for easy servicing * Textured aluminum cabinet * Aluminum fins and seamless copper tubing * Adapts easily as a replacement unit or original equipment * Aluminum fan blades and plated steel fan guards * Thermally protected, permanently lubricated motors * Factory wired for convenience * Junction box outside cabinet for up *

LOW TEMPERATURE – ELECTRIC DEFROST

PART#	EVAP. SUC. TEMP. F				DIMENSIONS			CFM	FAN DIA.	MTR AMPS	HEATERS AMPS-WATTS	CONNECTIONS			APPROX. SHIP WT.
	+20°	-10°	-20°	-30°	H.	W.	D.					LIQUID	SUCTION	DRAIN	
MAPLP-430E	5000	4400	4300	4000	13-1/2	27	12-1/4	600	10	.45	4.48-1030	1/2 OD	5/8 OD	1 FPT	38
MAPLP-640E	7500	6600	6500	5900	13-1/2	38	12-1/4	1200	(2)10	.90	6.24-1435	1/2 OD	7/8 OD	1 FPT	55
MAPLP-860E	10000	8800	8600	7900	13-1/2	45	12-1/4	1200	(2)10	.90	7.24-1665	1/2 OD	7/8 OD	1 FPT	67
MAPLP-1290E	15000	13200	12900	11900	13-1/2	63	12-1/4	1800	(3)10	1.35	12.35-2840	1/2 OD	7/8 OD	1 FPT	90
MAPLP-1720E	20000	17600	17200	15800	13-1/2	81	12-1/4	2400	(4)10	1.80	16.41-3775	1/2 OD	1-1/8 OD	1 FPT	120
MAPLP-2150E	25000	22000	21500	19800	13-1/2	99	12-1/4	3000	(5)10	2.25	18.84-4330	1/2 OD	1-1/8 OD	1 FPT	155
MAPLP-2580E	30000	26400	25800	23700	13-1/2	117	12-1/4	3600	(6)10	2.70	21.20-4875	1/2 OD	1-1/8 OD	1 FPT	180

Standard 230/60/1 External equalized expansion valve required (1/4" dia. External equalizer tube provided

* For low-temperature walk-in storage rooms * Low silhouette height of only 13-1/2" * Heaters are UL approved, moisture proof, odor and taste free, wit molded neoprene sealed ends * Adapts easily as a replacement unit or original equipment * Flush ceiling mount * Serpentine tubular heating elements are evenly spaced for ideal defrosting * Defrost termination switch and fan delay control insures defrost without over heating * UL listed δ NSF approved *

