



AL-Maraj Central A/C Systems Accessories Mfg Co.

Sharjah, U.A.E

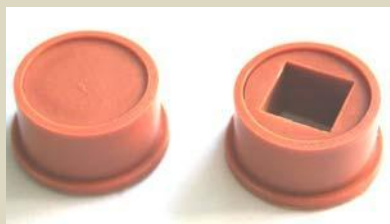
AL-Maraj is one of the renowned Manufacturer, Stockist and Supplier of all kinds of HVAC products, Ducting accessories, Pipe support system, Electro-mechanical and A/C Accessories in U.A.E since 2000.





NON METAL BUSHING

Model # MECO 1000A



Part #	Product Description	QTY / Box
1001A	DOUBLE SKIN PVC BUSHING SQR 12MM X12 MM OPEN	1000
1002A	DOUBLE SKIN PVC BUSHING SQR 12.2MM X12.2 MM OPEN	1000

OTHER SIZES AVILABLE IN REQUEST

Model # MECO 1000B



Part #	Product Description	QTY / Box
1001B	NYLON ROUND BUSHING 12.2MM DIA	1000

OTHER SIZES AVILABLE IN REQUEST

Model # MECO 1000C



Part #	Product Description	QTY / Box
1001C	PVC SQR PLASTIC BUSHING 8.2MM X 8.2 MM	1000

OTHER SIZES AVILABLE IN REQUEST

Model # MECO 1000D



Part #	Product Description	QTY / Box
1001D	PVC SQR PLASTIC BUSHING 6.2MM X 6.2 MM	1000

HVAC HARDWARE

FLANGE CORNERS

Model # MECO 2000A



Part #	Product Description	QTY / Box
2001A	CORNER 20 MM	400

2.0 MM Thick corner , for use in all slide on flange system 20 MM height
SIZE : 95 MM X 95 MM , 9.5MM DIA

Model # MECO 2000B



Part #	Product Description	QTY / Box
2001B	CORNER 30 MM	250

2.75 MM Thick corner , for use in all slide on flange system 30 MM height
SIZE : 105 MM X 105 MM , 10.5MM DIA

Model # MECO 2000C



Part #	Product Description	QTY / Box
2001C	CORNER 40 MM	100

2.75 MM Thick corner , for use in all slide on flange system 40 MM height
SIZE : 120 MM X 120 MM , 10.5MM DIA

Model # MECO 2000D



Part #	Product Description	QTY / Box
2001D	CORNER 35 MM	250

1.25 MM Thick corner , for use in all slide on flange system 35 MM height
SIZE : 105 MM X 105 MM , 10.5MM DIA

HVAC HARDWARE

DAMPER REGULATORS

Model # MECO 3000A



Part #	Product Description	QTY / Box
3001A	HANDLE SQR 6 MM , L= 75 MM	300

Model # MECO 3000B



Part #	Product Description	QTY / Box
3001B	HANDLE SQR 8 MM , L= 95 MM	200

Model # MECO 4000A



Part #	Product Description	QTY / Box
4001A	HANDLE ROUND 12 MM , L= 125 MM	100
4002A	HANDLE SQR 12 MM , L= 125 MM	100
4003A	HANDLE ROUND 10 MM , L= 125 MM	100
4004A	HANDLE SQR 10 MM , L= 125 MM	100
4005A	HANDLE ROUND 10 MM , L= 150 MM	100
4006A	HANDLE SQR 12 MM , L= 150 MM	100

Model # MECO 4000B



Part #	Product Description	QTY / Box
4001B	CLAMPING HANDLE ROUND 12MM	1000
4002B	CLAMPING HANDLE SQR 12MM	1000

HVAC HARDWARE

DAMPER HARDWARE

Model # MECO 5000A



Part #	Product Description	QTY / Box
5001A	DAMP CRANK 12MM DIA L = 30 MM WITH PLAIN PIN 6MM DIA 3MM THICK	1200

Model # MECO 5000B



Part #	Product Description	QTY / Box
5001B	DAMP CRANK ARM 12MM DIA L = 30 MM WITH 6MM BOLT 3MM THICK	900

Model # MECO 5000C

Part #	Product Description	QTY / Box
5001C	DAMP CRANK CLAMPING TYPE 12MM DIA L = 30 MM WITH PLAIN PIN 5MM DIA 2.7 MM THICK	300

Model # MECO 6000A



Part #	Product Description	QTY / Box
6001A	LINK BRKT (LOW) 65 MM	300

Model # MECO 6000B



Part #	Product Description	QTY / Box
6001B	LINK BRKT 65 MM	200

HVAC HARDWARE

DAMPER SPRINGS

Model # MECO 7000A



Part #	Product Description	QTY / Box
7001A	ST. STEEL SPRINGS 19MM X 350 MM	700

Model # MECO 7000B



Part #	Product Description	QTY / Box
7001B	ST. STEEL SPRINGS 19MM X 600 MM	700

Model # MECO 7000C



Part #	Product Description	QTY / Box
7001C	ST. STEEL SPRINGS 19MM X1200 MM	520

HVAC HARDWARE

DAMPER ACCESSORIES

Model # MECO 8000A



Part #	Product Description	QTY / Box
8001A	CAM LOCK SET	300

Model # MECO 8000B



Part #	Product Description	QTY / Box
8001B	STRAP & SET SCREW	500

Model # MECO 8000C



Part #	Product Description	QTY / Box
8001C	BALL JOINT 65 MM	300

Model # MECO 8000D



Part #	Product Description	QTY / Box
8001D	FIRE DAMPER BLADE GRIP	300

Model # MECO 8000E



Part #	Product Description	QTY / Box
8001E	FUSIBLE LINK HOOK	1000

HVAC HARDWARE

METAL BUSHING

Model # MECO 9000A



Part #	Product Description	QTY / Box
9001A	FL . BSNG S/S 12.2 X 16 / L=8MM	1000

OTHER SIZES AVILABLE IN REQUEST

Model # MECO 9000B



Part #	Product Description	QTY / Box
9001B	FL . BSNG BRZ 12.2 X 15.5 / L=6MM	1000

OTHER SIZES AVILABLE IN REQUEST

Model # MECO 9000C



Part #	Product Description	QTY / Box
9001C	FL . BSNG BRS 12.2 X 15.5 / L=6MM	1000

OTHER SIZES AVILABLE IN REQUEST

Model # MECO 9000D



Part #	Product Description	QTY / Box
9001D	FL . BSNG BRS 12.2 X 16.2 / L=10MM	1000
9002D	FL . BSNG BRS 12.7 X 17.0 / L=10MM	1000
9003D	FL . BSNG BRS 12.8 X 17.0 / L=10MM	1000
9004D	FL . BSNG BRS 10.2 X 12.0 / L=10MM	1000

HVAC HARDWARE

ACCESSORIES

Model # MECO 100A



Part #	Product Description	QTY / Box
101A	GASKET TAPE 60 MM X 6 MTR X 6 MM	100
102A	GASKET TAPE 15 MM X 6 MTR X 6 MM	100
103A	GASKET TAPE 30 MM X 6 MTR X 6 MM	100
104A	GASKET TAPE 40 MM X 6 MTR X 6 MM	100

Model # MECO 200A



Part #	Product Description	QTY / Box
201A	6 MM DIA	1000
202A	8 MM DIA	1000
203A	10 MM DIA	1000

HVAC HARDWARE

ACCESSORIES

Model # MECO 200B



Part #	Product Description	QTY / Box
201B	ALUMINUM RIVETS 40 X 8 MM	1000
202B	ALUMINUM RIVETS 4.0 X 12 MM	1000
203B	ALUMINUM RIVETS 4.8 X 8 MM	500
204B	ALUMINUM RIVETS 4.8 X 12 MM	500

Model # MECO 200C



Part #	Product Description	QTY / Box
201C	STEEL RIVETS 4.0 X 8MM	1000
202C	STEEL RIVETS 4.0 X 16MM	1000
203C	STEEL RIVETS 4.0 X 18MM	1000
204C	STEEL RIVETS 4.8 X 10MM	500
205C	STEEL RIVETS 4.8 X 20MM	500

HVAC HARDWARE

ACCESSORIES

Model # MECO 200D



Part #	Product Description	QTY / Box
201D	SELF DRILLING BOLTS 6 X 8 MM	1000
202D	SELF DRILLING BOLTS 6 X 12 MM	1000
203D	SELF DRILLING BOLTS 6 X 14 MM	500
204D	SELF DRILLING BOLTS 6 X 16 MM	500

Model # MECO 200E

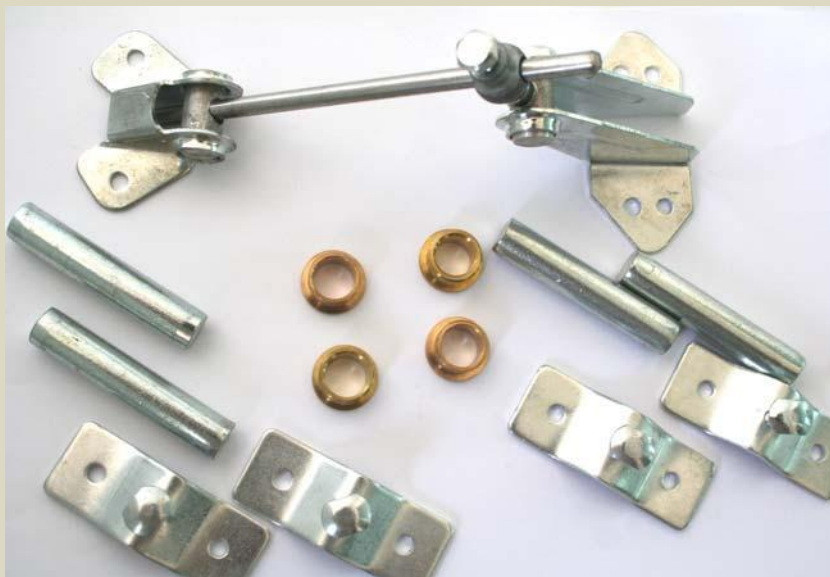


Part #	Product Description	QTY / Box
201E	DROP IN ANCHORS 6 MM	100
202E	DROP IN ANCHORS 8 MM	100
203E	DROP IN ANCHORS 10 MM	100
204E	DROP IN ANCHORS 12 MM	100
205E	DROP IN ANCHORS 14 MM	100

HVAC HARDWARE

DOUBLE BALDE HARDWARE

Model # MECO 300A



Part #	Product Description	QTY / Box
301A	OPPOSED DOUBL BLADE KIT	100

Model # MECO 300B



Part #	Product Description	QTY / Box
301B	PARALLEL DOUBL BLADE KIT	100

HVAC HRADWARE

DAMPER ACCESSORIES

Model # MECO 400A



Part #	Product Description	QTY / Box
401A	FUSIBLE LINK 72 DEG / 25 MM	100
402A	FUSIBLE LINK WITK HOCK	100

Model # MECO 400B



Part #	Product Description	QTY / Box
401B	FUSIBLE LINK 72 DEG / 42 MM	100
402B	FUSIBLE LINK WITK HOCK	100

Model # MECO 400C



Part #	Product Description	QTY / Box
401C	BRASS FUSIBLE LINK 68 DEG / 42 MM	100
402C	FUSIBLE LINK WITK HOCK	100

Model # MECO 400D



Part #	Product Description	QTY / Box
401D	MICRO SWITCH 230 VAC	1000
402D	MICRO SWITCH 24 VDC	1000

HVAC HARDWARE

DOUBLE BALDE HARDWARE

Model # MECO 4000AS



Part #	Product Description	QTY / Box
4001AS	SINGLE BLADE DAMPER SET ROUND TYPE	100

Model # MECO 4000BS



Part #	Product Description	QTY / Box
4001BS	SINGLE BLADE DAMPER SET SQR TYPE	100

HVAC HARDWARE

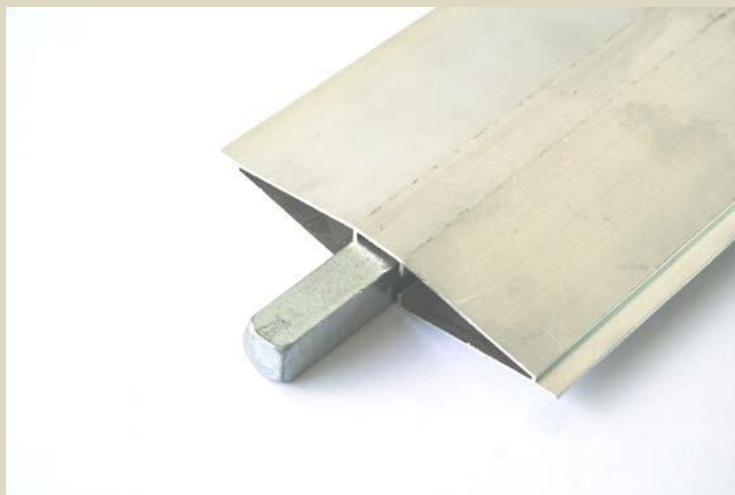
AL DAMPER BALDE

Model # MECO 500A



Part #	Product Description	L
501A	ALUMINUM BLADE 100 MM	6 MTR

Model # 500B



Part #	Product Description	QTY / Box
501B	ALUMINUM BLADE 150 MM	6 MTR

HVAC HARDWARE

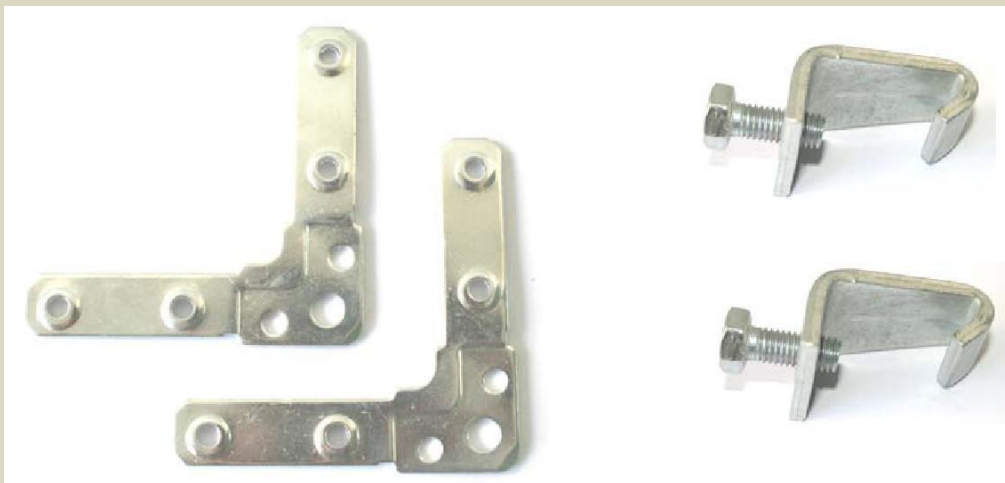
AL DAMPER BALDE

Model # 600A



Part #	Product Description	L
601A	SLIDE ON FLANGE 20 MM	6 MTR

Model # MECO 2000AS



Part #	Product Description	QTY / Box
2001AS	SLIDE ON FLANGE CORNER 30 MM	250
2002AS	CLAMP 20	300

HVAC HARDWARE

AL DAMPER BALDE

Model # MECO 600B



Part #	Product Description	L
601B	SLIDE ON FLANGE 30 MM	6 MTR

Model # MECO 2000B



Part #	Product Description	QTY / Box
2001B	SLIDE ON FLANGE CORNER 30 MM	250
2002B	CLAMP 30	300

HVAC HARDWARE

Tiger Connector

- Using for pre-insulated ductworks
- Construction with Aluminum sheet
- Thickness 0.9 mm / 1.2 mm



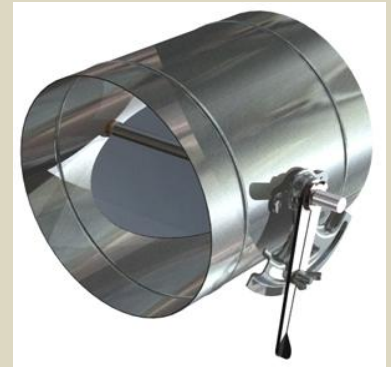
Reinforcement Discs

- Using for pre-insulated duct works
- Construction with Aluminum & GI Sheet.
- Thickness 1.2mm/0.9mm



Round Volume Control Damper (RND-VCD)

Frame blade made from 18 ga (1.2mm) galvanized sheet. The blades are mounted on PVC/ Brass bushes and can be Controlled manually or by a motor actuator. The movement of the blade permits regulation from fully Open to complete.



Available Sizes:

100mm	300mm
125mm	350mm
150mm	400mm
160mm	450mm
200mm	500mm
250mm	600mm
300mm	650mm

Non Return Dampers (NRD)

Pressure relief dampers are designed for use in intake and discharge opening in commercial and residential air-conditioning system. When the ventilation systems are on, the blade of the pressure relief damper are held in the open position by the air flow. If the system is switched off, the dampers blade close automatically, thus preventing reverse airflow and giving protection against the ingress of intemperate air, rain and birds into the air conditioning systems.



Construction:

Designed to be ducted mounted. The frame and blades are made from 18ga. (1.2) mm galvanized sheet round
spindles 12 mm DIA, and are linked together by means of G. I. linkages. Gasket is provided on blade tips for low leakage.

Sand Trap Louver

MECO sand trap louvers are used as profiteer for the protection of air conditioning plants in areas exposed to extreme levels of industrial pollution. It has a high degree of separation of sand and large dust concentrations. The vertically arranged sections and holes for sand drainage ensure that the sand trap louver is self cleaning and maintenance free.



Square Volume Control Dampers (SQR-VCD)

Single / double volume control dampers are designed for quiet, efficient and reliable air volume control in ventilation.



Construction:

CASING: Casing / Frame is manufactured from 18 Ga. (1.2 MM) Galvanized sheet.

BLADE: Single skin / double skin / Aluminum

BUSHES: Brass / PVC bushes are standard.

SPINDLE: Blades are connected to the casing by means of spindle which is mild steel electro galvanized.

Size shall be 10 mm / 12 mm round and square.

LINKAGE: Galvanized steel

MECO QUADRANT: Manual is standard supply with open / close indication, locking type quadrant made of galvanized steel with full open and shut marking,

Access Doors

Silent Features:

- Suitable for surface mounting
- Simple and fast to install without screw or rivets
- Simple and effecting rotating cam latch fixing
- Double skin construction
- Acoustically and thermally insulated
- Internal sealing gaskets
- Wide size ranges are available
- Hinged or totally removable panel options

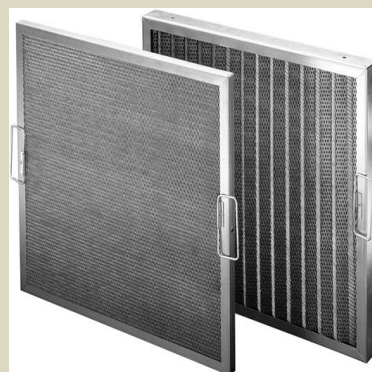


Aluminum Expanded Washable Filters

Silent Features:

Frame: Rust proof aluminum/ GI mill finish 24 gauge

Construction: Aluminum expanded media of 58 inch thick in one layer for 1" thick frame, and in two layers for 2" thick frame encased in Aluminum / GI mill finish 24 gauge frames. The rustproof aluminum washes easily, and its glistening appearance has exceptional consumer acceptance.



Plenum Boxes

General:

Plenum Box is made of galvanized sheet metal, intend for use above false ceiling to be connected to the Linear Slot Diffuser or Square Ceiling Diffuser from outlet side, the inlet side connected to the duct, they can be connected either with galvanized duct or flexible duct, the boxes are internal insulated as per clients request.



Recommended Air Inlet Sizes			
MAX Flow		DIA	
CFM	LS	INCHES	MM
100	47	5	127
150	71	6	152
250	118	7	178
350	165	8	203
450	212	9	229
500	283	10	253
1000	472	12	305
1500	708	14	358

Round Duct Flange

Spiral Manufacturing offers professionally mounted flanges on Spiral pipe and fittings. For most installations, this is the easiest and most secure option. There may be times, however, when flanges must be mounted at the installation site. We have included mounting instructions below to assist you.

Step 1

Slip flange over Spiral ductwork allowing duct to extend 1/2" beyond the face of the flange. Measure to ensure the flange is square to the duct. Secure flange in place with 3 or 4 C-clamps.

Step 2

Peen 4 tabs about 1" wide and 90° apart, working from the inside of the flange. The edge of the flange acts as a break. Do not cut, slice, or hammer directly on the end of the duct.

Step 3

Rotate duct 45° and peen 4 more tabs about 1" wide and 90° apart. There should now be a total of 8 tabs bent over.

Step 4

Peen remaining edge of duct over flange. Flange is ready to be bolted.



GI Junction Boxes

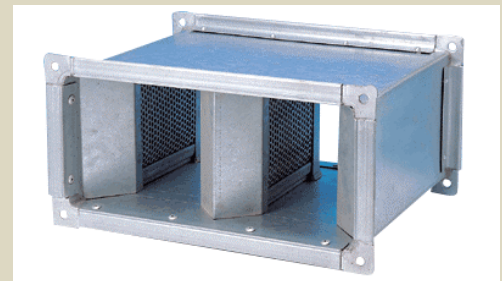
We offer our clients with a wide range of Junction Boxes that find extensive application in raceways, flooring for attempt cable and various other purpose. These Junction Boxes are made from high grade raw material that provides them high load bearing capacity and resistance from corrosion. Our range is available in varied standard and customized sizes catering to the different requirements of our clients.



Sound Attenuators

General:

Sound Attenuators were developed to various requirements from the consulting engineers, owners & contractors. They provide the most economical choice for solving the wide range of noise control issues encountered in the HVAC field.



Construction:

All attenuators (casings & Splitters) are constructed of galvanized sheet metal Ga. 20 minimum. Casing are formed with lock-formed seams with duct sealant (complied with SMACNA standards). Other casing materials are available upon request.

The splitters contains acoustic infill has a glass tissue facing concealed behind galvanized perforated sheet, the splitters have radius end at the air flow direction to minimize air pressure loss and regenerated noise. Sound Attenuators are available in Square, Rectangular & Circular, they can be fabricated as straight, reduced and elbowed duct.

Features and Benefits:

- Minimum pressure drop with Maximum insertion loss
- Large radius inlets & tapered tails to minimize system effects
- Available in any cross-sectional size eliminating the need for transitions
- Can be fabricated as a transition from a smaller duct size to a larger duct size where space is limited
- Fabricated in components to make the overall silencer bank size for easy handling and installation
- Comes standard with options for flanges or Slip and Drive connection
- Used in applications ranging from low velocity duct systems to high velocity duct Systems.