

# MACS

AL MUTHATHAWERAH  
A/C SYSTEMS ACCESSORIES IND. CENTER LLC.



## HVAC SYSTEM

## Introduction

Al Muthathawerah AC Systems ind. Center LL.C (MACS) is specialized in the manufacturing of premium duct work and accessories for commercial and residential HVAC applications. MACS has established a fully automated state of the art Duct Fabrication facility using the latest technology available from IOWA Precision Industries USA which is capable to produce high quality ductwork in record time.

MACS was established in 2010 on the basic policy of serving the market with high quality and reliable products using latest technology and qualified staff. The factory is strategically located in Sharjah Industrial Area 15 and serving customer's requirements by supplying them with HVAC duct work, Sheet Metal, Volume Control Dampers, Non Return Dampers, and Access Doors and all other related products and accessories as per requirement.

Meeting and understanding the customer's requirements to achieve added value is one of Al Muthathawerah's major goals. Through its sophisticated facilities. Al Muthathawerah intends to distribute and supply to AC Supplier's. Contractors & private clients the highest quality of HVAC duct work either Galvanized, Stainless Steel, Mild Steel, Pie-insulated Duct or Aluminum Cladding at the most competitive rates.

Health, Safety and Environmental Management is an integral and essential part of the way we do our business and is considered an equal part of the wider system for the management of our business.

Through effective management, MACS aims to be the preferred contractor and the favoured employer. The requirements set out in this document constitute the expectations for divisional compliance with MACS Policy.









## **Mission, Vision & Values**

To strive for global excellence in providing services to the HVAC industry worldwide.

To distinguish ourselves through listening, learning and understanding industry challenges and to capitalize on strategic and opportunistic possibilities.

To provide services that are attractive and fair to our customers and earn their loyalty while also providing value to our shareholders.

To create a work place that protects worker health and safety with due respect for the environment, and promote an atmosphere to grow employee learning and opportunity in a way that is fulfilling, recognized and fairly rewarded.





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HVAC

## Ductwork Identified

Most air-conditioning works and heating systems require some form of duct work to channel or direct the air to places in the dwelling where the conditioned or heated air is needed.

Duct work is available in various types, and has many advantages such as reducing utility bills due to proper channeling and sizing, but only when it is installed correctly by qualified installation technicians.

## Quality Policy

Our principle objective is to provide customers with quality products and professional services that Fully satisfy their needs.

Are delivered on time and within budget. Represent value for money, and through exceptional personal service, meeting or exceeding their expectations.

We achieve this through a structured continuous improvement program that ensures the quality of our products and services thus helping to reduce costs and develop staff skills.

Constant review and audit of this system ensures its adaptability throughout the organization.

MACS Management team is committed to the principles of continuous improvement and to the successful implementation of the quality system.

Therefore, all employees are committed to the quality system and are aware of its benefits to customer satisfaction, internal process and the goals and objectives of MACS.





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# DUCTWORK

## Description

DUCT WORK MANUFACTURED  
TO THE FOLLOWING STANDARDS:

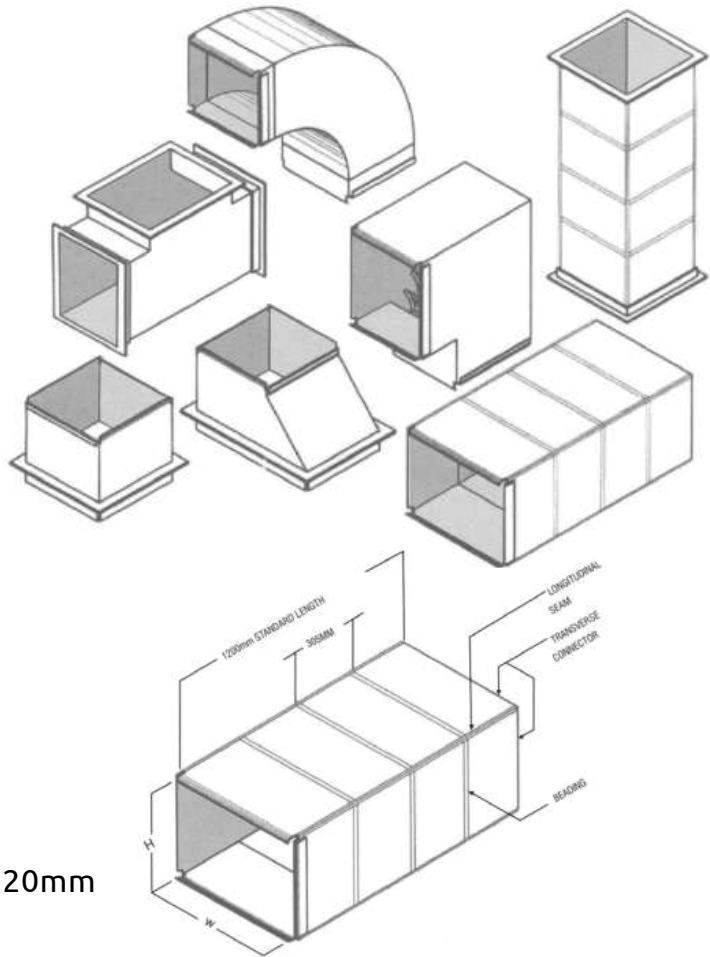
- SMACNA
- DWI 42/144
- GALVANIZED STEEL TO ASTM A527/653 ZINC COATING LOCK FORMING QUALITY GRADE OF G90/Z275.

OPTIONS:

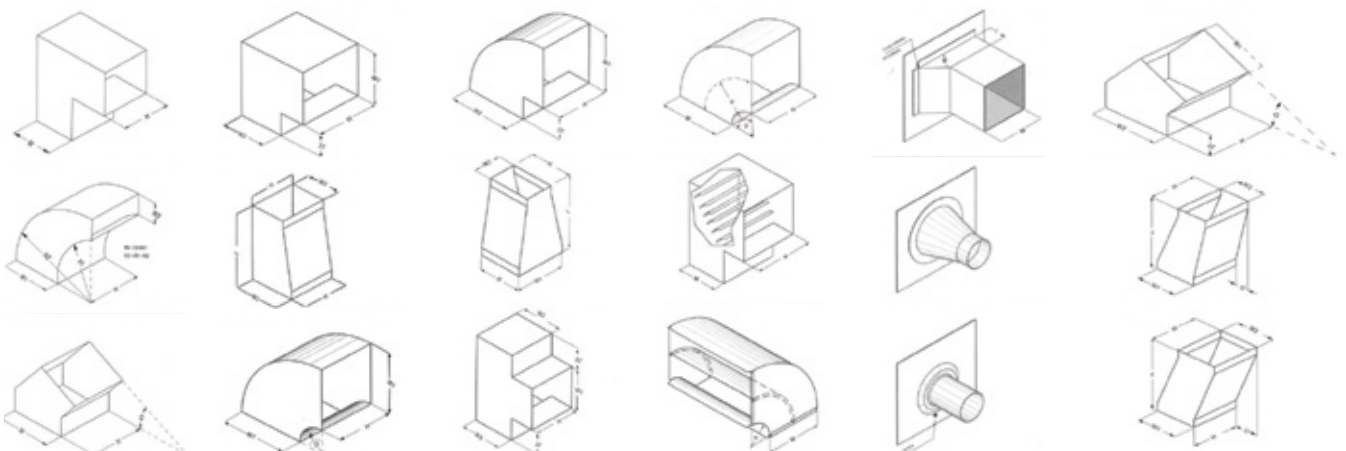
- S&C OR FLANGE.
- BLACK MILD STEEL.
- ALUMINUM
- STAINLESS STEEL

THICKNESS

- 0.56mm thick. up to 3mm thick
- STANDARD STRAIGHT LENGTH 1220mm



## Rectangular fittings





# VOLUME CONTROL DAMPER (VCD)

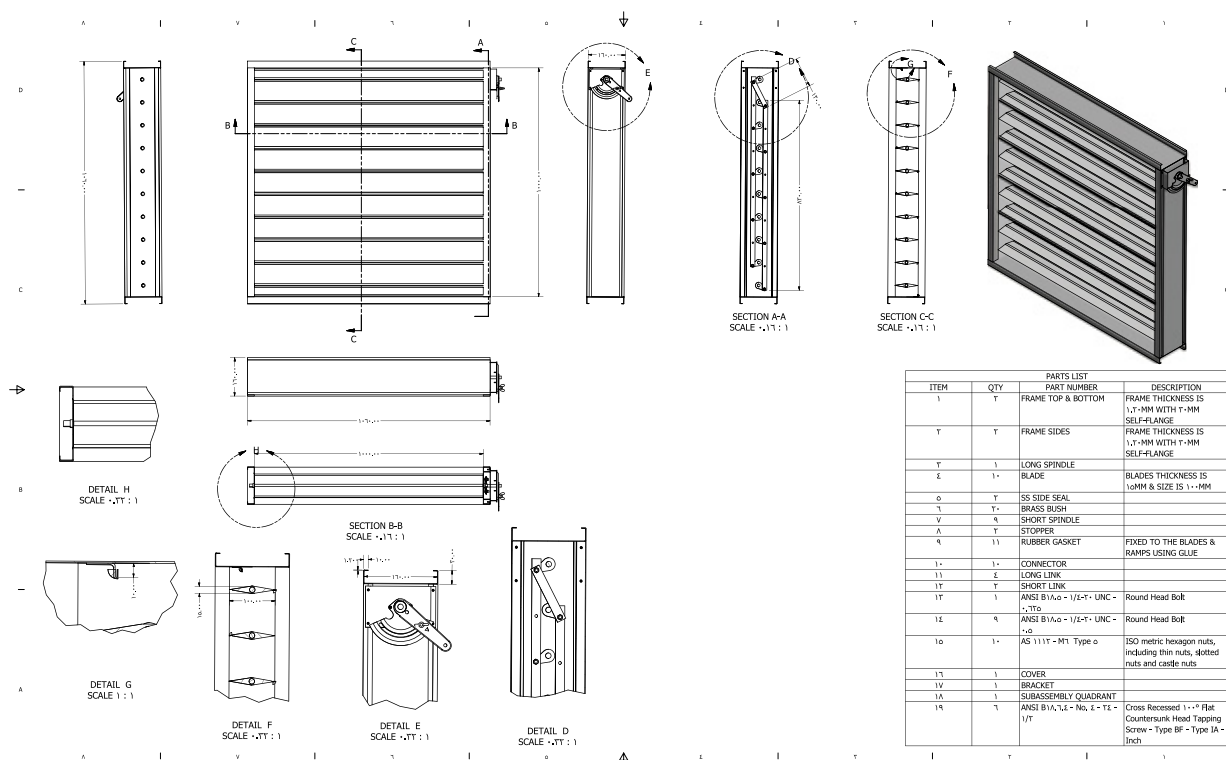


Applus<sup>+</sup>

Exova

## Standard Construction

<b>FRAME</b>	0.7 - 1.5mm thickness from galvanized steel formed channel for flange connections.
<b>BLADES</b>	3V 0.90mm thick BLADES
<b>FINISH</b>	Mill galvanized
<b>LINKAGE</b>	Side linkage concealed in frame for parallel and opposed blade operation.
<b>CASE BEARINGS</b>	Brass Bearing as standard.
<b>AXLES</b>	12mm X 12mm Zinc plated mild steel.
<b>TEMP. LIMITS</b>	-40°C to 100°C



PARTS LIST			DESCRIPTION
ITEM	QTY	PART NUMBER	
1	T	FRAME TOP & BOTTOM	FRAME THICKNESS IS 1.1-MM WITH T+MM SELF-FLANGE
T	T	FRAME SIDES	FRAME THICKNESS IS 1.1-MM WITH T+MM SELF-FLANGE
T	1	LONG SPINDLE	
E	1	BLADE	BLADES THICKNESS IS 1.0MM & SIZE IS . .MM
0	T	SS SIDE SEAL	
7	T	BRASS BUSH	
V	1	SHORT SPINDLE	
A	T	STOPPER	
9	11	RUBBER GASKET	FIXED TO THE BLADES & RAMPS USING GLUE
1	1	CONNECTOR	
11	E	LONG LINK	
17	T	SHORT LINK	
17	1	ANSI B1A.0 - 1/2" x UNC - 3-1/16	Round Head Bolt
12	1	ANSI B1A.0 - 1/2" x UNC - 3-1/16	Round Head Bolt
10	11	AS 111T-M1 Type 0	ISO metric hexagon nuts, included nuts, included nuts and castle nuts
17	1	COVER	
14	1	BRACKET	Cross Recurve 11" Flat Countersunk Hoop Tearing Screw
13	1	SUBASSEMBLY QUADRANT	Type BF - Type IA
15	7	ANSI B1A.1 - No. 1 - 1/2 - 1/16	

**MINIMUM SIZE:**

100 X 100 mm, dampers up to 250mm in height are single blade construction.

**MAXIMUM SIZE:**

1200 X 1800 mm, as single section.

Multiple Section assembly with unlimited size, where each section operates independently. For details of multiple sections consult MACS

**OPTIONS:**

Frame, Blades, shafts and blade to shaft fixing: available in Stainless steel.

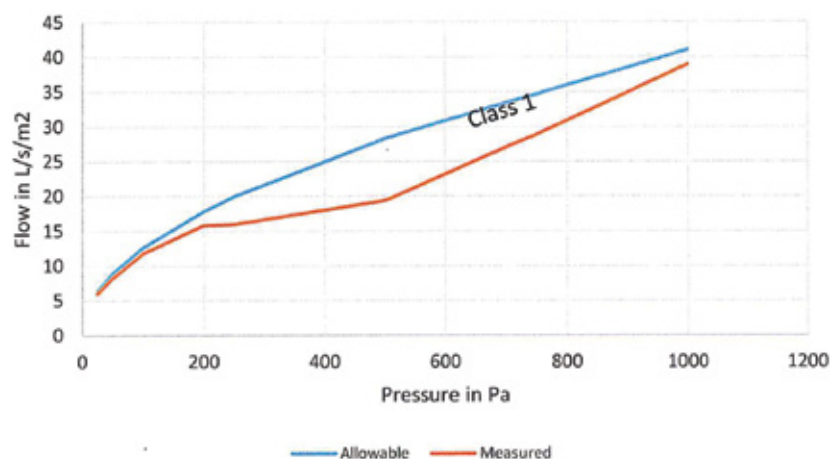
Linkage: Face Linkage available.

Case Bearings: Sintered Bronze available.

**OPERATION:**

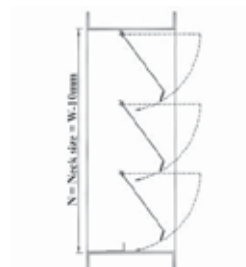
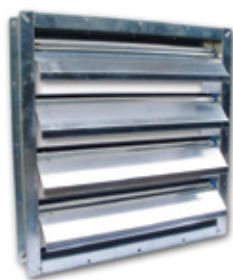
Parallel Blades, Opposed Blades. Manual, or with Actuator.

## AIR LEAKAGE VS. TEST PRESSURE



MACS VCD's are categorized as Class 1 in terms of air leakage when tested against the performance requirement as per AMCA Standard 511

## NON RETURN DAMPER



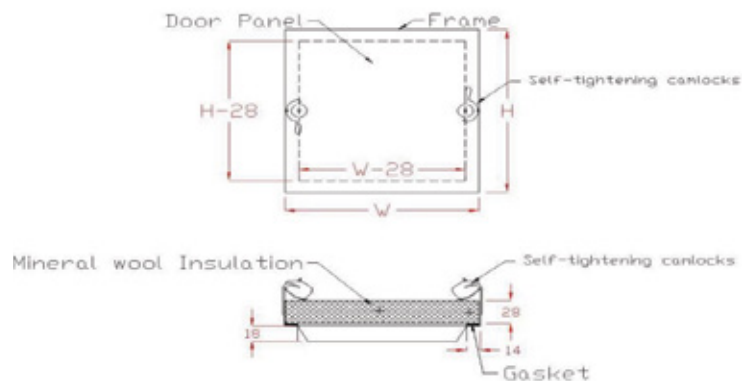
### Standard Construction

<b>BODY</b>	20 ga. (1.00mm) galvanized steel formed channel for flange connections.
<b>BLADES</b>	Plain Aluminum sheet Gauge 20
<b>FINISH</b>	Mill galvanized
<b>CASE BEARINGS</b>	PVC Bearing as required.
<b>CONTROL SHAFT</b>	10mm diameter zinc plated mild steel.



# ACCESS DOORS

## DOUBLE CAM TYPE



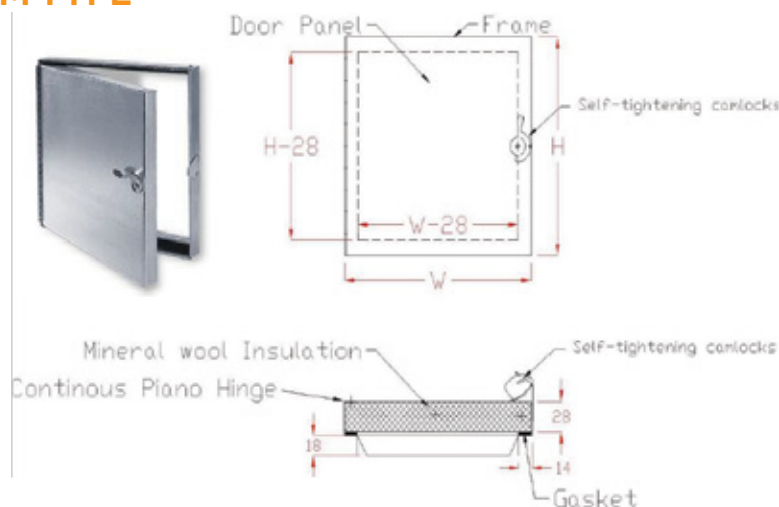
### Description

Access doors of 25mm thickness with double walled and mineral wool insulation. Designed to provide access to dampers, filters, etc.

### **Specifications:**

Self-tightening camlocks type, 2 per unit up to size 350mm and 4 per unit on larger sizes.

## HINGE & CAM TYPE



### Description

Access doors of 25mm thickness with double walled and mineral wool insulation. Designed to provide access to dampers, filters, etc.

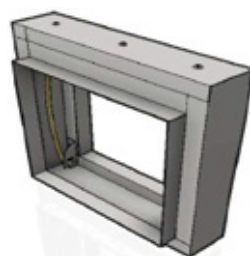
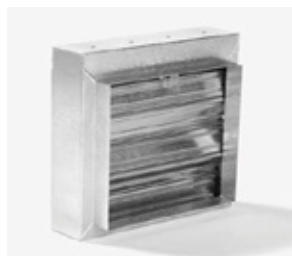
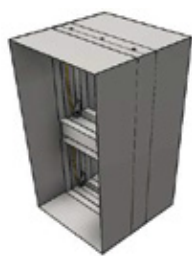
### **Specifications:**

Continuous Hinge on one edge and one camlock on the other up to 350mm, two camlock on the other edge on larger sizes

### **Options:**

Can use Butt Hinge instead of Continuous hinge.

# CURTAIN FIRE DAMPERS



## Standard Construction

<b>FRAME</b>	18 ga. (1.20mm) galvanized steel formed channel for flange connections.
<b>BLADES</b>	24 ga. (0.71mm) galvanized Steel "interlocking blades".
<b>FINISH</b>	Mill galvanized
<b>BLADE RAMP</b>	18 gauge galvanized steel
<b>CLOSURE SPRINGS</b>	304 stainless steel spring
<b>FUSIBLE LINK</b>	Standard 165°F. Others available.
<b>MOUNTING</b>	Vertical.
<b>FIRE DURATION RATING</b>	1 - 1/2 Hours
<b>TEMPERATURE RATING</b>	250°F
<b>OPERATION</b>	Interlocking Blades
<b>CERTIFICATION</b>	UL LISTED

### Fusible Link Bracket

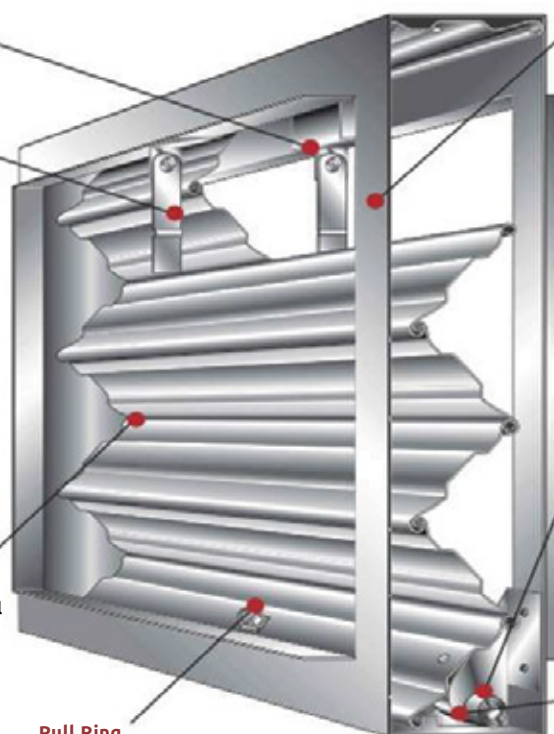
Fusible link bracket is fabricated from galvanized steel as a standard.

### Fusible Link

Blades are held in open position by a straight bar link (lifted as standard) rated at 72 °C (162 °F) with a formed reinforcing gauge and two location holes.

### Blades

Formed to provide a continuous interlocking hinge extending the full length with dual gauge providing maximum strength and rigidity. Normally 0.70mm in thickness from hot dipped galvanized steel G90 (Z275).



### Casing

Formed to provide two continuous internal flanges not less than 30mm.

Casing and Components are not less than 1.20mm in thickness from a hot dipped galvanized steel G90 (Z275).

### Closure Springs

Dampers are supplied with two constant force coil springs exerting a pull of not less than 35N. with one end fixed to the leading blade by rivets and the coil fitted on the spindle of the locking ramp. The spring is manufactured from Grade 302 stainless steel to BS 4,5770 hard.

### Locking Ramps

Dual locking ramps ensure positive closing action of the blade pack in horizontal or vertical installations.

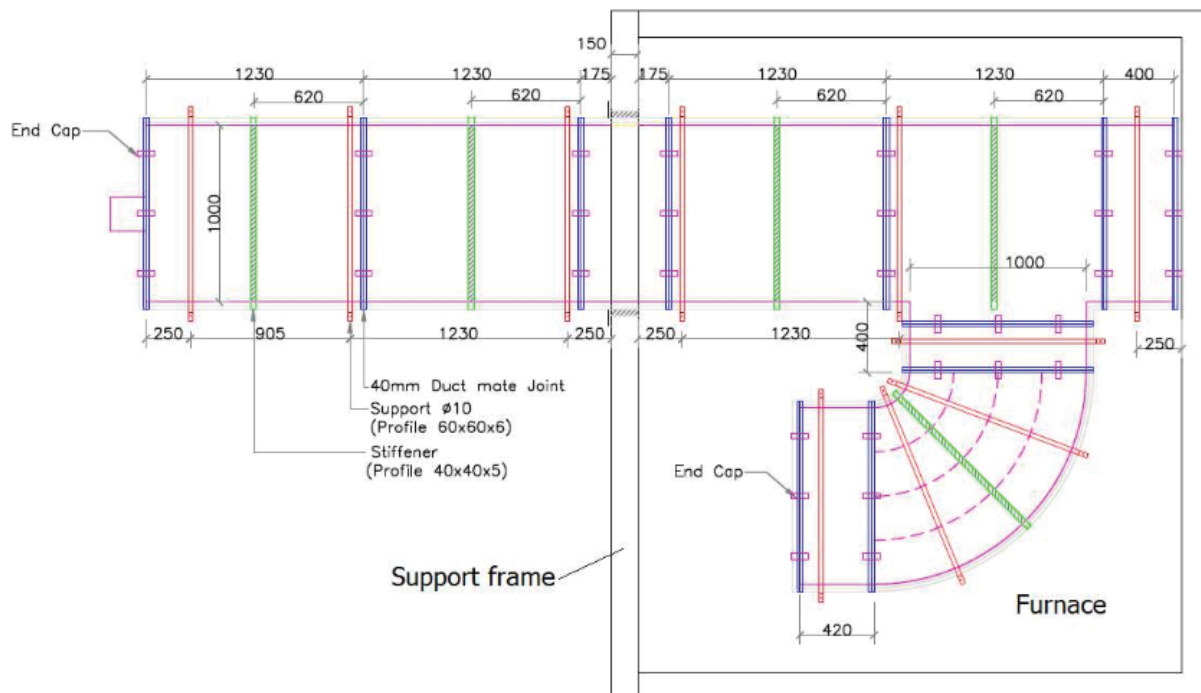


# FIRE RATED DUCTWORK

Fire rated Duct as per BS476 part 20:1987 & part 24:1987. For rectangular and circular fire resistant ventilation and smoke extraction ducts Type A (Fire outside duct) and Type B (Fire inside duct). With horizontal and vertical installation, made of Stainless Steel, Mild Steel, or galvanized Steel.



Applus<sup>+</sup>



## Expo Village (Parcel 10 & 11)



Project

Expo Village (Parcel 10 & 11)

Location

Jebel Ali Dubai - UAE

Client

M/s Dubai World Trade Center

Consultant

M/s KEO International Consultant

Main Contractor

M/s China State Construction Engineering Corp. LTD.



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# Seven Hotel & Apartment Palm Jumeirah



Project

2B+G+M+14+R Seven Hotel and Apartmen

Location

Plot No. 3812730 Palm Jumeirah, Dubai - UAE

Client

M/s Seven Tides Real Estate Development L.L.C.

Consultant

M/s Incorporated Consultants (CONIN)

Main Contractor

M/s Airolink Building Contracting L.L.C



# The Hills –B+G+14 Storey Residential Buildings and 15 Storey Hotel and Service Apartment Buildings



Project

The Hills –B+G+14 Storey Residential Buildings and 15 Storey Hotel and Service Apartment Buildings (6 Bldgs. Built Up Area 2,150,000 ft<sup>2</sup>)  
Plot no. 3886352, Al Thanyah Third, Emirates Hills –Dubai, UAE

Location

Client

M/s Emaar Properties, PJSC

Consultant

M/s DAR Consulting Architects and Engineers

Main Contractor

M/s Al Ghandi & Consolidated Contractors Int'l. Co. (L.L.C)



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# The Midtown Afnan Zone 2 and Midtown Dania Zone 3 at Dubai Productivity City



Project	The Midtown Afnan Zone 2 and Midtown Dania Zone 3 at Dubai Productivity City
Location	Plot No. IMPZ.A.01 at IMPZ, Dubai Productivity City –Dubai, UAE
Client	M/s DEYAAR Developments PJSC
Consultant	M/s U+A Architecture
Main Contractor	M/s Belhasa Engineering and Contracting Co. L.L.C.



# Fairmont Hotel at Mina Al Fajer Resort Dibba, Fujairah



Project

3B+G+12F+R+Upper Roof Fairmont Hotel at Mina Al Fajer Resort

Location

Fujairah, UAE

Client

M/s Mina Al Fajer Resort for H.H Dr. Sheikh Sultan Bin Khalifa Bin Zayed Al Nahyan

Consultant

M/s ErgaProgress Engineering Consultant

Main Contractor

M/s Intermass Engineering & Contracting Co. L.L.C.



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# New Medical Center Hospital, Fujairah



Project	Main Hospital (B+G+3), Staff Accommodation (G+3)
Location	Fujairah, UAE
Client	M/s NMC Hospital Company
Consultant	M/s Consultair Engineers & Consultant
Main Contractor	M/s Best Building Contracting Co.



# Royal Pearls –Phase 1 (Cluster A, B & C) Commercial and Residential Buildings on Plot Nos. 6184116 and 6184086 at Nadd Al Shiba First–MEP First Fix



Project

Royal Pearls –Phase 1 (Cluster A, B & C) –Commercial and Residential Buildings

Location

Plot Nos. 6184116 and 6184086 at Nadd Al Shiba First

Client

M/s Oriental Pearls Real Estate Development LLC

Consultant

M/s KEO International Consultants

Main Contractor

M/s China Construction Eight Engineering Division Corp. Ltd.



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# 3B+G+14/29F Commercial/Residential Twin Towers Building "Sparkle Towers" at Marsa, Dubai



Project	3B+G+14/29 Commercial/Residential Building
Location	Plot 392-404, Marsa -Dubai, UAE
Client	Mr. Talal Suliman, Mr. Adel Hamad & Mr. Hussain Al Jaboori
Consultant	M/s Al Mimar Engineering &ADC Architectural Design Consultants
Main Contractor	M/s Sun Engineering & Contracting L.L.C.



# Town Square Development –Residential Buildings on Plot 35, Dubai



Project

G+1P+11+HCFloors Residential Buildings

Location

Plot No. 35 –Dubai, UAE

Client

M/s NSHAMA

Consultant

M/s Mimar Emirates Engineering Consultants

Main Contractor

M/s Kier Construction L.L.C/M/s Arabian Construction Company

Built up Area

168,476.54 m<sup>2</sup>



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# Al Sofouh Mix Use Development (2B + G + 4P + 43 + RTECOM Al Sofouh, Dubai



Project	Al Sofouh Mix Use Development (2B + G +4P + 43 + R)
Location	Plot No. A-002-038 TECOM Al Sofouh, Dubai
Client	M/s Al Fahim Group
Consultant	M/s AECOM Middle East Ltd
Main Contractor	M/s Ali & Sons Contracting Company
Built up Area	126,904 m <sup>2</sup>



# SZUTEST

## CERTIFICATE



### Environment Management System

CERTIFICATE NO: SZT.2019.SB.2.1.041

#### AL MUTHATHAWERAH A/C SYSTEMS ACCESSORIES IND. CENTER LLC

Shed No. 5, 9, 10, 11 Behind Mohd Bin Zayed Road, Industrial Area 15, P.O Box 81615, Sharjah, United Arab Emirates

### ISO 14001:2015

#### Manufacturing Central A/C Systems Accessories, Fire Ratted Duct Works, Pump Assembly

EA Code: 18

Szutest confirms with the certificate details given above, that the organization has an appropriate management system complying with the relevant standard principles. This certificate is valid until the date of certification period expiry date only provided that the management system is found successful as a result of surveillance audits.

First Issue Date	29.08.2019
Issue Date	29.08.2019
Expiry Date	28.08.2022
Period Finish Date	28.08.2022



Manager of System Certification

This certificate can be examined by scanning the square codes on the certificate with a mobile device or by verifying the numbers on the square code from the <http://public.szutest.com.tr>.

FR.SB.74 R:5

**SZUTEST UYGUNLUK DEĞERLENDİRME A.Ş.**  
Tatlısu Mahallesi, Akif İnan Sk. No:1 Ümraniye 34774 İSTANBUL / TÜRKİYE

[Szutest.com.tr](http://Szutest.com.tr)

# SZUTEST

## CERTIFICATE



### Occupational Health and Safety Management System

CERTIFICATE NO: SZT.2019.SB.2.3.042

#### AL MUTHATHAWERAH A/C SYSTEMS ACCESSORIES IND. CENTER LLC

Shed No. 5, 9, 10, 11 Behind Mohd Bin Zayed Road, Industrial Area 15, P.O Box 81615, Sharjah, United Arab Emirates

#### OHSAS 18001:2007

#### Manufacturing Central A/C Systems Accessories, Fire Rated Duct Works, Pump Assembly

EA Code: 18

Szutest confirms with the certificate details given above, that the organization has an appropriate management system complying with the relevant standard principles. This certificate is valid until the date of certification period expiry date only provided that the management system is found successful as a result of surveillance audits.

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FR 0074 R 0

**SZUTEST UYGUNLUK DEĞERLENDİRME A.Ş.**

Tatlısu Mahallesi, Akif İnan Sk. No:1 Ümraniye 34774 İSTANBUL / TÜRKİYE

[Szutest.com.tr](http://Szutest.com.tr)





# CERTIFICATE

*This is to Certify that the  
Quality Management System  
of*

## **AL MUTHATHAWERAH A/C SYSTEMS ACCESSORIES IND. CENTER LLC**

SHED NO. 5, 9, 10, 11 BEHIND MOHD BIN ZAYED ROAD, INDUSTRIAL AREA 15,  
P.O BOX 81615, SHARJAH, UNITED ARAB EMIRATES.

**Has been independently assessed and is compliant  
with the requirements of**

**ISO 9001:2015**

**This certificate is applicable to the following product or service ranges:**

**MANUFACTURING CENTRAL A/C SYSTEMS ACCESSORIES,  
FIRE RATED DUCT WORKS, PUMP ASSEMBLY**

**:: Certificate No :: AE205165A**

Date of initial registration	26 March 2018
Date of this certificate	26 March 2018
Surveillance audit on or before	25 March 2019
Recertification Due / Certificate expiry	25 March 2021

This Certificate is property of LMS Certifications and remains valid  
subject to satisfactory surveillance audits.

  
Director

For verification and updated information concerning the present certificate visit to [www.lmscertifications.com](http://www.lmscertifications.com)

This Certificate is the property of LMS Certifications Private Limited and original not to be used without prior written permission.



Accreditation



LMS Certifications Private Limited  
1, Ananddham, Opp. Kulkarni Phone Spot Gate,  
Fardi Nagar, Lucknow - 226015, U.P. (INDIA)  
Phone : +91-9554645464  
Web : [www.lmscertifications.com](http://www.lmscertifications.com)  
E-mail : [info@lmscertifications.com](mailto:info@lmscertifications.com)



## CERTIFICATE OF COMPLIANCE

Certificate Number 20141231-R37956  
Report Reference R37956-20141229  
Issue Date 2014-DECEMBER-31

Issued to: AL MUTHATHAWERAH A/C SYSTEMS ACCESSORIES  
INDUSTRIAL CENTER L L C  
INDUSTRIAL AREA 15TH ,81615  
SHARJAH UNITED ARAB EMIRATES

This is to certify that  
representative samples of

DAMPERS FOR FIRE BARRIER AND SMOKE APPLICATIONS  
Fire damper, Model, curtain type, for vertical installation and for use in  
static systems for 1.5 hrs. rating Model :-MACS-GC-B

Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 555 - Standard for the Standard for Fire Dampers  
Additional Information: See the UL Online Certifications Directory at  
[www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's  
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.

*B. Mahesh*

Bruce Mahesh, Assistant Chief Engineer, Global Inspection and Field Services  
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please  
contact a local UL Customer Service Representative at [info@ul.com](mailto:info@ul.com)







دولة الإمارات العربية المتحدة  
وزارة الداخلية  
الإدارة العامة للدفاع المدني - دبي  
United Arab Emirates  
Ministry of Interior  
DCD General Directorate

Tel.: 009714 2611111  
Fax : 009714 2612449  
P.O. Box 11377 Dubai  
United Arab Emirates

للتوارئ  
Emergency

997

www.dcd.gov.ae

## ترخيص وكيل - بإمارة دبي

تم إصدار الترخيص استناداً إلى القرار الوزاري رقم (213) لسنة 2017 ، في شأن تنظيم خدمات الدفاع المدني

رقم الترخيص: K110  
سنة الترخيص: 2019  
عدد الترخيص: 6 - 6

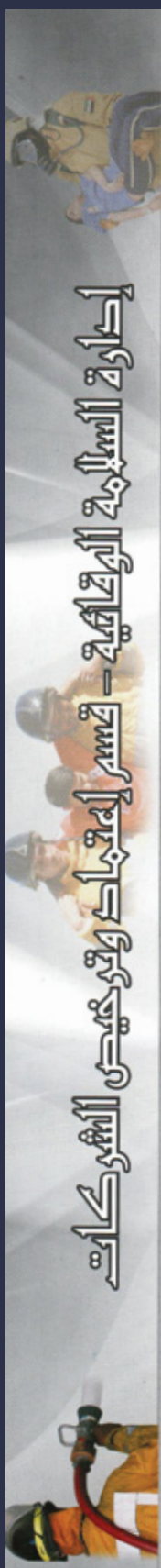
اسم الشركة	ميناس للتجارة العامة شركة الشخص الواحد	رقم الرخصة	221782	رقم السجل	19414
اسم صاحب الترخيص	سعيد بن محمد بن عبدالله الرقباني	الجنسية		الامارات	
أطراف الرخصة	***	الجنسية		***	
رقم الهاتف	04-2635707	رقم الفاكس	04-2635755	ص.ب:	55482
عنوان الشركة	مكتب رقم (2) ملك سعيد محمد الرقباني - القصيص				
الموقع / البريد الإلكتروني	menascodxb@gmail.com	تاريخ انتهاء الرخصة التجارية	2020/01/03م		
تأسست بتاريخ	1990/01/04م	تاريخ الإصدار	2019/10/29م		
عدد المعدات والأجهزة المعتمدة		عدد الفنيين المعتمدين	6		
عدد المهندسين المعتمدين		عدد الفنيين المعتمدين	0		

يعتمد/ عن مدير الإدارة العامة للدفاع المدني/دبي



أن تكون دولة الإمارات العربية المتحدة من أفضل دول العالم في تحقيق الأمن والسلامة





# إدارة السلامة الوقائية - قسم الترخيص وترخيص الشركات



دولة الإمارات العربية المتحدة  
وزارة الداخلية  
الإدارة العامة للدفاع المدني، دبي  
United Arab Emirates  
Ministry of Interior  
DCD General Directorate

Tel.: 009714 2611111  
Fax : 009714 2612449  
P.O. Box 11377 Dubai  
United Arab Emirates

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Emergency

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رقم الترخيص: K110  
سنة الترخيص: 2019  
عدد التراخيص: (6 - 6)

اسم الشركة

ميناس للتجارة العامة شركة الشخص الواحد

رقم الترخيص	اسم الشركة	اسم المنتج	الاسم التجاري	رقم شهادة السلامة	المصدر	بذ المنتج	قيد الوثيقة	منطقة الوثيقة	تاريخ انتهاء قيد الوثيقة
Fire-resistant ducts									
Fire Rated Duct: 1-Material: Galvanized Steel Thickness: 1.20mm Stability rating: 240 minutes. Integrity rating: 240 minutes. Insulation rating: 13 minutes when average temperature rises more than 140°C over its original temperature. 2-Material: Stainless Steel Thickness: 1.20mm Stability rating: 241 minutes. Integrity rating: 241 minutes. Insulation rating: 13 minutes when average temperature rises more than 140°C over its original temperature. 3-Material: Mild Steel Thickness: 1.50mm Stability rating: 241 minutes. Integrity rating: 241 minutes. Insulation rating: 13 minutes when average temperature rises more than 140°C over its original temperature.									
Dampers For Fire Barrier And Smoke Application									
Fire Dampers For Use in Static System: A. Model: MACS-GC-B 1. Mounting Position: Vertical Class: 1.5 hour									

يطلب الترخيص من قبل جورد و خدمة نظام الحماية، يجب أن يكون له من مادة تشييد في إطار لاسم المنتج، آخر رقم مطبوع الطوارئ رقم (911) سنة 2017 في شأن تطويع خدمات الدفاع المدني  
لخدمة الحماية، رقم (911) سنة 2013، ولا يجوز له بدونه أن يشييد في إطار استكشاف أو فحص من قبل فرق الدفاع المدني، حيث أن الخدمة ذات الاختصاص قبل استلام  
يطلب الترخيص من قبل جورد و خدمة نظام الحماية، يجب أن يكون له من مادة تشييد في إطار لاسم المنتج، آخر رقم مطبوع الطوارئ رقم (911) سنة 2017 في شأن تطويع خدمات الدفاع المدني  
لخدمة الحماية، رقم (911) سنة 2013، ولا يجوز له بدونه أن يشييد في إطار استكشاف أو فحص من قبل فرق الدفاع المدني، حيث أن الخدمة ذات الاختصاص قبل استلام

ملاحظة:

يقتد/ عن مدير الإدارة العامة للدفاع المدني/دبي

أن تكون دولة الإمارات العربية المتحدة من أفضل دول العالم في تحقيق الأمن والسلامة







### ترخيص مصنع لمعدات وأجهزة و مواد الوقاية و مكافحة الحريق

تم إصدار الترخيص استناداً إلى القرار الوزاري رقم (24) لسنة 2012. في شأن تنظيم خدمات الفاع المدني

2013-3-66828	رقم السجل	627403	رقم الرخصة	الجنسية	الإمارات العربية المتحدة	الشارقة	الاسم التجاري للمنشأة
81615	ص ب	065351750	رقم التاكس	سعيد محمد عبدالله الرقباني	صناعة مستلزمات أنظمة تكييف الهواء - المركزية - صناعة مجاري الهواء - المقاومة للحريق	الشارقة	اسم صاحب الترخيص
				ملك عنان رافت مشتهى - خلف شارع الشيخ محمد بن زايد، الصناعية 15، الشارقة			نوع النشاط
							رقم الهاتف
							عنوان الشركة
							الموقع و البريد الإلكتروني
							تاريخ تأسيس المنشأة
							عدد المعدات و الأجهزة المراد ترخيصها
							عدد المهندسين المعتمدين
							تم تسجيل الراسم بإيصال رقم (190052718615).



يؤقتاً أن تكون دولة الإمارات العربية المتحدة من أفضل دول العالم في تحقيق الأمن و السلامة

<https://cdservices.moi.gov.ae//index/certificate-inquiry> تعتبر هذه الشهادة وثيقة رسمية لا تحتاج الى توقيع. للتأكد من صحة المعلومات يرجى زيارة الرابط التالي:



رقم الترخيص : 2013-3-66828  
سنة الترخيص : 2019  
الاسم التجاري للمنشأة : المتطورة لصناعة مستلزمات أنظمة تكيف الهواء د م م  
عدد الترخيص : 1

م	اسم المنشأة/المواد/النظام	الاسم التجاري	رقم شهادة السلامة	اسم المصنّع الصافي للشهادة
1	مطبخ الحريق / المخان : مطبخ - مطبخ المخان	MACS	EMME R37956	UL, UNDERWRITERS LABORATORIES INC, USA
رقم الترخيص : MACS-QC-B				
2	النفوس : النفوس مقاوم للحريق	EMIRATES AC INDUSTRY	UAE-1491	APPLUS, SPAIN
رقم الترخيص : EFD				

1 . يعتبر المصنّع مرخص من قبل الإدارة العامة للقطاع المدني - الشارقة و يحق له مزاولة نشاطه في إدارة الشارقة فقط. استناداً إلى قرار مجلس الوزراء رقم (24) لسنة 2012 في شأن تنظيم خدمات القطاع المدني للأجهزة التكنولوجية رقم (213) لسنة 2017. و لا يحق له مزاولة أنشطته في باقي الإمارات إلا بعد استخراج ترخيص موزع من قبل الإمارات العامة ذات الاختصاص بكل إمارة.  
2 . إبلاغ الإدارة العامة للقطاع المدني في حالة تغيير أو تعديل في البيانات المتعلقة في الترخيص الصادر من قبل الإدارة العامة للقطاع المدني.

رؤيتنا أن تكون دولة الإمارات العربية المتحدة من أفضل دول العالم في تحقيق الأمن و السلامة

تعتبر هذه الشهادة وثيقة رسمية لا تحتاج الى توقيع، للتأكد من صحة المعلومات يرجى زيارة الرابط  
https://cdservices.mol.gov.ae//index/certificate-inquiry  
التالي:




# FIRE SAFETY CERTIFICATION

## PRODUCT APPROVAL


No. **APF - 1491**

APPLUS+ LGAI TECHNOLOGICAL CENTER S.A., under the requirements of its SPC-117 certifies:

<b>Product range</b>	Rectangular metallic ventilation duct type A (fire from outside) reference "EFD-Fire Duct"
<b>Company</b>	AL MUTHATHAWERAH A/C SYSTEMS ACCESORIES IND.CENTER LLC. Sharjah (UAE)
<b>Manufactured</b>	AL MUTHATHAWERAH A/C SYSTEMS ACCESORIES IND.CENTER LLC. Sharjah (UAE)
<b>Standard Reference</b>	BS 476-24:1987: "Fire tests on building materials and structures. Method for determination of the fire resistance of ventilation ducts". BS 476-20:1987: "Fire tests on building materials and structures. Part 20: Method for determination of the fire resistance of elements of construction (general principles)"
<b>Product Details and Test Report</b>	<b>Please check at the annex of the UAE - 1491 Applus+ certificate.</b>





**Logo on the product**



This certificate was first issued on May 3<sup>rd</sup> 2019 and will remain valid as long as the test methods and/or factory production control requirements in the certification scheme, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

Valid until March 12<sup>th</sup> 2020

Bellaterra, May 3<sup>rd</sup> 2019

 LGAI Technological Center, S.A. <b>Xavier Ruiz Peña</b> Product Conformity B. U., Managing Director	
You can find this certificate into our website at: <a href="https://apps.applus.com/microsites/microsites/FECIP/login">https://apps.applus.com/microsites/microsites/FECIP/login</a>	

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F +34 93 567 20 01  
www.applus.com



# FIRE SAFETY CERTIFICATION

## PRODUCT APPROVAL

No. **APF - 1492**

**APPLUS+ LGAI TECHNOLOGICAL CENTER S.A.**, under the requirements of its SPC-117 certifies:

<b>Product range</b>	Rectangular metallic ventilation duct type B (fire from inside) reference "EFD-Fire Duct"	
<b>Company</b>	AL MUTHATHAWERAH A/C SYSTEMS ACCESSORIES IND. CENTER LLC, SHARJAH, UAE	
<b>Manufactured</b>	AL MUTHATHAWERAH A/C SYSTEMS ACCESSORIES IND. CENTER LLC, SHARJAH, UAE	
<b>Standard Reference</b>	BS 476-24:1987: "Fire tests on building materials and structures. Method for determination of the fire resistance of ventilation ducts". BS 476-20:1987: "Fire tests on building materials and structures. Part 20: Method for determination of the fire resistance of elements of construction (general principles)".	
<b>Product Details and Test Report</b>	<b>Please check at the annex of the UAE - 1492 Applus+ certificate.</b>	<b>Logo on the product</b> 

This certificate was first issued on May 3<sup>rd</sup> 2019 and will remain valid as long as the test methods and/or factory production control requirements in the certification scheme, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

Valid until March 12<sup>th</sup> 2020

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 LGAJ Technological Center, S.A. <b>Xavier Ruiz Peña</b> Product Conformity B. U., Managing Director	
You can find this certificate into our website at: <a href="https://apps.applus.com/microsites/microsites/FECIP/login">https://apps.applus.com/microsites/microsites/FECIP/login</a>	

LGAI TECHNOLOGICAL CENTER, S.A. CIF: A-63207492



## Final Words

**O**ur commitment to continuous improvement has positively affected our ability to achieve our goals.

**A** continuous look for innovation and quality control has given us an edge over our competitors where we promise an irreplaceable quality, dedication, safety and total satisfaction to our Clients of which we hold very high.

**T**his manual was only a brief description of our abilities, ethics and goals which we hope would end your long search for a business partner you can rely on.

**Thank you for your interest.**  
**WE APPRECIATE YOUR BUSINESS**







# MACS

AL MUTHATHAWERAH  
A/C SYSTEMS ACCESSORIES IND. CENTER LLC.



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