

# COMPANY PROFILE

te Office and Steel Factory

**VENTROX®**  
INDUST



Established in the year 2019 as a proud subsidiary of the Leopard Group, we have swiftly carved our niche as a distinguished manufacturer of HVAC (Heating, Ventilation, and Air Conditioning) products, alongside a comprehensive range of steel-related solutions.

# INTRODUCTION TO VENTROX

stands as a beacon of innovation and excellence. Established in the year 2019 as a proud subsidiary of the Leopad Group, we have swiftly carved our niche as a distinguished manufacturer of HVAC (Heating, Ventilation, and Air Conditioning) products, alongside a comprehensive range of steel-related solutions.



## COMPANY MOTIVATION (SRQD)

Service , Dedicated Research , Quality and Delivery were Ventrox's Motto.

## SYSTEMATIC BEHAVIOURS.

The systematic between all technical expertise and fast respond customers services was excellent support for customers doubt. This is why Ventrox offers everything from a single source support of the interaction between sales team and customers. This results in maximum human energy efficiency while the coordination effort during the design and installation stages for a project is reduced to minimum wastages.

## THE TECHNOLOGY OF INNOVATION.

Innovate technology of the machinery, products quality and productively for the customer's satisfaction.

## THE QUALITY OF PRODUCTS FOR EACH BUILDING.

Working closely with its customers, Ventrox develops specific systems that take the relevant criteria for each building into account and meet the requirements of its occupants. This close cooperation leads to sustainable solutions that help to increase people's well-being and to protect life and the environment.

### HEADQUARTER (Malaysia)

Lot 10, Jalan BS 7/1C  
Taman Perindustrian Bukit  
Serdang

+6018-466 9222

[info@ventrox.com.my](mailto:info@ventrox.com.my)

### WAREHOUSE (Philippines)

B11, La Fuerza compound,  
Alabang Zapote road,  
Almanza uno 1750 las pinas,  
Philippines

# VENTROX MANAGEMENT & OPERATION TEAM

Ventrox Industrial was established in 2019, but our Management Team Member had 25-year experience with an initial business activity of a steel center, involved in processing both coated and uncoated steel coils, as a feeder of raw materials to the manufacturing and construction industry.

Over the years, the company has diversified into value added services by investing into state-of-the-art machineries to cater growing demands of both domestic and international market in industries such as oil and gas, automotive, electrical, furniture, home appliances, agriculture and livestock, construction etc., The progress of the company has been attributed by strong support of customers, suppliers, financial institutions and its dedicated team of employees.

In recent years, leading it to design and manufacture products and components of the Industrial Building Systems (IBS). Quality at all levels of the company is committed to provide quality products along with excellent services and timely delivery through its manufacturing expertise. Our Group is accredited with the Quality Management System ISO 9001: 2008.

## Our Mission Committed to Your Success

At Ventrox, we create our high-quality products with your success in mind. This means that if you purchase a piece of equipment from us, we want you to be completely happy while using it. Ventrox will work hand-in-hand with you to ensure that your experience using our product meets your standards. If you encounter any issues or difficulties along the way, we'll help you work through them until you are 100% satisfied. Our philosophy is that we succeed only when you succeed - and we are committed to working hard to ensure you achieve your goals.

## Our Vision An International Leader

While Ventrox is a Malaysia company, we also have several international business partnerships which allow us to better serve you. Ventrox recently started manufacturing a line of HVAC components to supply products to the ASEAN markets. In 2019, Ventrox in order to supply various steel components to the AESAN market. Ventrox now aim to provide customers with the sales and service of the steel solution with several other partnerships with a variety of ASEAN and other companies around the world..



**VENTROX<sup>®</sup>**  
**INDUSTRIAL**

**Ventrox Industrial**  
**(Leopad Group)**

No. 10, Jalan BS7/1C,

Mr. SAW CP  
MANAGING DIRECTOR



is a seasoned professional with over 28 years of experience in the HVAC and industrial manufacturing sector. Since 1997, he has been actively involved in providing technical solutions, solving complex site challenges, and delivering practical, results-driven support to clients across the region. Known for his hands-on approach and deep product knowledge.

Mr. Saw is more than a business partner—he is a trusted advisor and friend to many customers. His ability to understand real on-site issues and offer effective, customized solutions has earned him long-term relationships and respect throughout the industry.

As the founder and Managing Director of Ventrox Industrial Sdn Bhd, he leads with passion, integrity, and a commitment to quality. Under his direction, Ventrox has become a growing force in the manufacturing of grilles, diffusers, louvers, fire dampers, silencers, and VCDs, with an increasing footprint across Malaysia and export markets. Mr. Saw's leadership is guided by a simple principle: "Understand the customer, solve the problem, and grow together."



Mr. JOSHUA CK CHEONG  
GENERAL MANAGER

a highly accomplished professional with 15 years of extensive experience in the manufacturing field.

Mr. Cheong's distinguished career includes significant contributions to prestigious establishments such as Aceda Bank and Vattanac Bank in Cambodia, as well as KLIA2 (AirAsia Airport) in Malaysia, showcasing his diverse expertise and leadership capabilities across various sectors.

His professional journey began in 2008 as an Application Engineer at Edwincon Engineering, where he honed his technical skills until 2016. Following this, he transitioned into a leadership role as the Sales & Marketing Manager at Ruskin Malaysia from 2016 to 2019, demonstrating his strong business acumen.

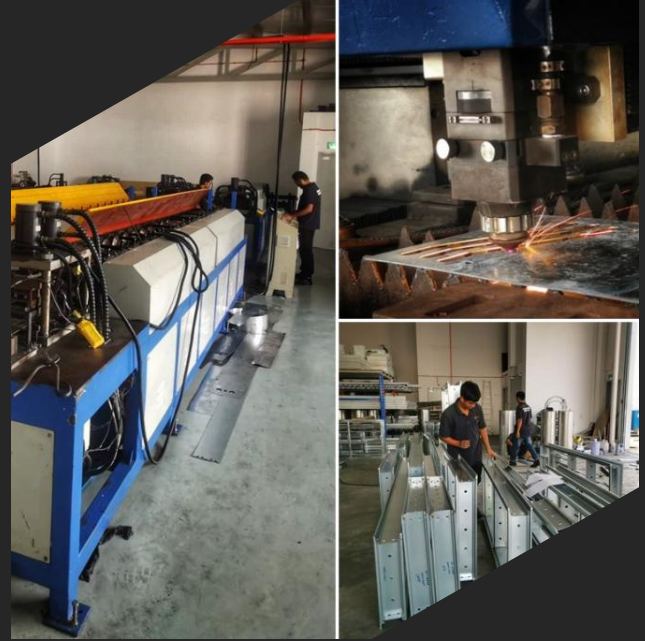
Since 2019, Mr. Cheong has served as the General Manager of Ventrox Industrial (M) Sdn Bhd, where he continues to drive success and innovation.



**LEADERSHIP**

# EXCELLENT SERVICES at VENTROX INDUSTRIAL

Ventrox Industrial provides consulting service and solution for all kind of steel industry. We had specialized team to serve and contributed by the nation to providing a high degree of expertise and product innovation in manufacturing industries. Harmonize expansion programs in line to confirming global requirements. Become a value creation company that will meet the expectation of our shareholders, employees and business associates.



## Hot Dip Galvanized Services (HDG)

With a manufacturing capacity of 6000 metric ton per month, we are equipped with the latest state of the art high tech production line in the industry



## Pipe Rolling Mill

Material thickness ranges from 0.6mm ~ 5.5mm

Tube size ranges from 0.5inch ~ 4.5inch

Milling speed 15 ~ 60 (M/min)



## Coil Slitting Services

Material thickness ranges from 0.3mm ~ 4mm

Coil Width 150 ~ 1600

Line speed 120 (M/min)

# VENTROX SERVICES



100% Client Satisfaction



World Class Works



## Perforated Sheet Punching Services

Material thickness ranges from 0.3mm ~ 8mm  
Turret Punching Speed 700 (Hit/min)



## Sheets Cut to Length Services

Material thickness ranges from 0.3mm ~ 4mm  
Line Speed 120 (M/min)



## Products Performance Test Laboratory

VAV performance Test  
Silencer performance Test  
Damper Leakage Test  
Ductwork Leakage Test



## Laser Cut Services

2D - Co2 - 2.5KVA With auto pallet changer

Working dimension: X=3048mm, Y=1524mm,  
Z=150mm  
Speed 140m/min

Linear Axis Resolution:0.001mm  
Accuracy - (pa):0.03mm, (ps):0.03mm

Thickness: <15mm(Mild Steel),  
<8mm(Stainless Steel),  
<5mm(Aluminum)  
Made in Italy

# VENTROX SERVICES



100% Client  
Satisfaction



World Class  
Works

# VENTROX PRODUCTS LISTING

## Damper



**VCD** **GI AL SS**  
Volume Control Damper



**NRD** **GI SS**  
Non Return Damper



**RVCD** **GI AL SS**  
Round Volume Control Damper

## Silencer



**S** **GI AL SS**  
Silencer



**RS** **GI AL SS**  
Round Silencer

## Fire Damper



**FD** **GI SS**  
Fire Damper Curtain Type



**FDLT** **GI SS**  
Fire Damper Louver Type



**MFD** **GI SS**  
Motorized Fire Damper



**SD** **GI SS**  
Smoke Damper

## Coil



**GIC** **GI**  
G.I COIL



**SSC** **SS**  
Stainless Steel Coil



**MSC** **MS**  
Mild Steel Coil

## VAV



**VAV** **GI AL SS**  
Variable Air Volume



**CAV** **GI AL SS**  
Constant Air Volume

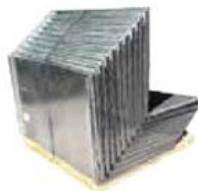
## Ducting



**RD** **GI AL SS**  
Retangular Duct



**SRD** **GI AL SS**  
Spiral Round Duct



**LSD** **GI AL SS**  
L Shape Ducting

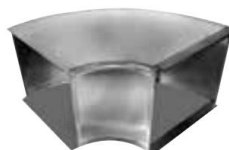
## Fitting



**YTD** **GI AL SS**  
Y Tee Duct



**SRT** **GI AL SS**  
Square to Round Transition



**SED** **GI AL SS**  
Square Elbow Duct



**STP** **GI AL SS**  
Square Tee Piece

# VENTROX PRODUCTS LISTING

## Diffuser



**4W**  
4 Way

**GI AL SS**



**2W**  
2 Way

**GI AL SS**



**3W**  
3 Way

**GI AL SS**



**4WEG**  
4 Way  
Egg Crate

**GI AL SS**



**MDD**  
Multi Directional  
Diffuser

**GI AL SS**



**RD**  
Round  
Diffuser

**AL**



**JD**  
Jet Diffuser

**AL**



**EB**  
Eye Ball

**AL**



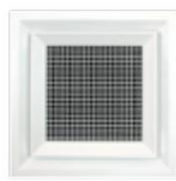
**RD**  
Swirl Round  
Diffuser (Adjustable)

**AL**



**SRD**  
Swirl Round  
Diffuser

**AL**



**4WDD**  
4 Way Double Deflection

**GI AL SS**



**PC**  
Plat Type  
Diffuser

**GI AL SS**



**SD**  
Swirl Diffuser

**GI**



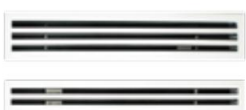
**CAD**  
Ceiling Air  
Diffuser

**GI**



**DL**  
Drum Louver  
Diffuser

**GI AL SS**



**LSD**  
Linear Slot  
Diffuser

**AL**



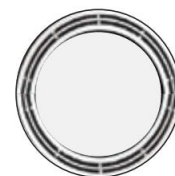
**LCD**  
Linear Corner  
Diffuser

**AL**



**LC**  
Linear Curve  
Diffuser

**AL**



**LRD**  
Linear Round  
Diffuser

**AL**

# VENTROX PRODUCTS LISTING

## Grillie



**BG**  
Bar Grille

**AL SS**



**BCG**  
Curve Bar Grille

**AL SS**



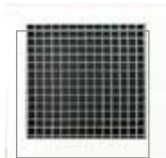
**RGB**  
Round Bar Grille

**AL SS**



**PAG**  
Perforated Air Grille

**GI AL SS**



**EC**  
Egg Crate

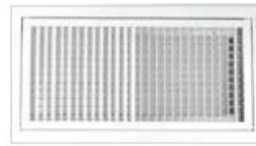
**GI AL SS**



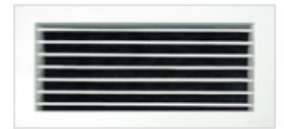
**HB**  
Hepa Box

**GI AL SS**

**DD**  
Double Deflection



**GI AL SS**



**SD**  
Single Deflection

**GI AL SS**



**TL**  
Triangle Louver

**GI AL SS**



**L**  
Louver

**GI AL SS**



**RL**  
Round Louver

**GI AL SS**



**VC**  
Vent Louver

**SS**



**STL**  
Swing Type Louver

**GI AL SS**

## Accessories



**AD**  
Access Door

**GI AL SS**



**PB**  
Plenum Box

**GI**



**ALT**  
Air Light Troffer

**GI**



**RCD**  
Radial Crown Damper

**GI**



**FBD**  
Fan Blade Damper

**GI**

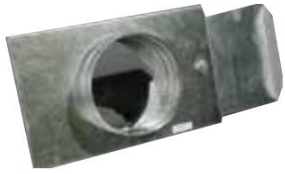


**OBD**  
Opposed Blade Damper

**GI SS**

# VENTROX PRODUCTS LISTING

## Accessories



**BGD**  
Blade Gate  
Damper

**GI AL SS** Worm Gear



**GI BA**  
Belimo  
Actuator



**PL**



**NA**  
Nenutec  
Actuator

**PL**

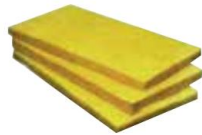
## Insulation



**FGR**  
Fibreglass Roll

**FG**

**FGS**  
Fibreglass Slab



**FG**

**RWS**  
Rockwool Slab



**RW**

**RWR**  
Rockwool Roll



**RW**

## Duct Accessories



**FBD**  
Flexible Bare Duct

**AL**

**FD**  
Flexible Duct



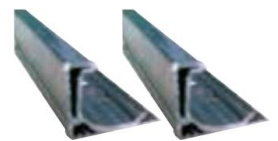
**AL FG**

**CP**  
TDC / TDF  
Corner Piece



**GI AL SS**

**F**  
Flange



**GI AL SS**

# VENTROX ACCREDITATION

**Test Report No. 221403200-01**  
dated 17 Dec 2019

Note: This report is issued subject to the Testing and Certification Regulations of the TÜV SÜD Group and the General Terms and Conditions of Business of TÜV SÜD PSB Malaysia Sdn Bhd. In addition, this report is governed by the terms set out within this report.

**SUBJECT**  
Fusible Link Functionality Test

**MANUFACTURER**  
VENTROX INDUSTRIAL (M) SDN BHD,  
A-2-8, BLK A, DATARAN PUCHONG,  
JALAN PU 7/1, TAMAN PUCHONG UTAMA,  
47140, PUCHONG, SELANGOR.

**SAMPLE RECEIVING DATE / TEST DATE**  
17 Dec 2019 / 17 Dec 2019

**DESCRIPTION OF SAMPLE / CONDITION OF SAMPLE RECEIVED**  
Product Description : 71°C Fusible Link attached on a curtain fire damper  
Model Name : V1-FD-CT-AJ  
Damper Size : 600mm x 600mm  
Test Sample Name : 71°C Fusible Link  
Sample Condition : The samples are received in good condition, no scratch or damage was observed.

**METHOD OF TEST**  
The sample was tested in accordance to customer requirement.

**TEST FACILITY**  
TÜV SÜD PSB Malaysia Sdn Bhd  
36, Jalan Serendah 26/39,  
Kawasan Perindustrian HICOM, Seksyen 26,  
40400 Shah Alam, Selangor Malaysia.

TESTED/PREPARED BY: *Lim Chuan Yik*  
Lim Chuan Yik, NIC Engineer

APPROVED BY: *Goh Chun Yeung*  
Goh Chun Yeung  
Lab Manager

**Test Report No. 221402440-01**  
dated 06 Aug 2019

Note: This report is issued subject to the Testing and Certification Regulations of the TÜV SÜD Group and the General Terms and Conditions of Business of TÜV SÜD PSB Malaysia Sdn Bhd. In addition, this report is governed by the terms set out within this report.

**SUBJECT**  
Curtain Fire Damper Heat Functionality Test

**MANUFACTURER**  
VENTROX INDUSTRIAL (M) SDN BHD,  
A-2-8, BLK A, DATARAN PUCHONG,  
JALAN PU 7/1, TAMAN PUCHONG UTAMA,  
47140, PUCHONG, SELANGOR.

**SAMPLE RECEIVING DATE / TEST DATE**  
02 Aug 2019 / 06 Aug 2019

**DESCRIPTION OF SAMPLE / CONDITION OF SAMPLE RECEIVED**  
Product Description : Curtain Fire Damper (as photo in pg.6) with 100°C Fusible Link attached.  
Model Name : V1-FD-CT-AJ  
Damper Size : 300mm x 300mm  
Test Sample Name : 100°C Fusible Link  
Sample Condition : The samples are received in good condition, no scratch or damage was observed.

**METHOD OF TEST**  
The sample was tested in accordance to customer requirement.

**TEST FACILITY**  
TÜV SÜD PSB Malaysia Sdn Bhd  
36, Jalan Serendah 26/39,  
Kawasan Perindustrian HICOM, Seksyen 26,  
40400 Shah Alam, Selangor Malaysia.

TESTED/PREPARED BY: *Lim Chuan Yik*  
Lim Chuan Yik, NIC Engineer

APPROVED BY: *Goh Chun Yeung*  
Goh Chun Yeung  
Lab Manager

**TEST REPORT**

REPORT NO.: 2020FE0263

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Applicant : VENTROX INDUSTRIES (M) SDN. BHD.,  
A-2-8, Blok A, Dataran Puchong, Jalan PU 7/1,  
Taman Puchong Utama,  
47140 Puchong,  
Selangor Darul Ehsan  
(Attn.: Mr. Joshua Cheong)

Manufacturer : VENTROX INDUSTRIES (M) SDN. BHD.,  
No. 6, Jalan TIAJ 2/7,  
Taman Industri Alam Jaya,  
42300 Bandar Puncak Alam,  
Selangor Darul Ehsan.

Product : Smoke and Fire Damper

Reference : Fire resistance test utilising the test methodology given in BS 476: Part 20:1987 - Fire tests on building materials and structures  
Standard/ Method of test : Part 20 - Methods for determination of the fire resistance of elements of construction (general principles)

Description of test specimen : The specimen comprised of one unit of damper with overall frame dimension of 1070mm (width) x 1070mm (height) x 230mm (depth) complete with a fusible link and mounted in a brickwall construction.  
Model: VT-FDLT (Louvre Type)

Date received : 31 December 2019  
Job No. : J20191440833  
Test result : Integrity : 250 minutes  
Issued Date : 1 July 2020

Approved Signatory: *(HAFI MOHAMAD)*  
Senior Testing Executive

*(ALMI MUSA)*  
Head  
Fire Protection Section  
Testing Services Department

**TEST REPORT**

REPORT NO.: 2020FE0260 PAGE: 1 OF 17

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47140 Puchong,  
Selangor Darul Ehsan,  
(Attn.: Mr. Joshua Cheong)

Manufacturer : VENTROX INDUSTRIES (M) SDN. BHD.,  
No. 6, Jalan TIAJ 2/7,  
Taman Industri Alam Jaya,  
42300 Bandar Puncak Alam,  
Selangor Darul Ehsan.

Product : Motorized Smoke and Fire Damper

Reference : Fire resistance test utilising the test methodology given in BS 476: Part 20:1987 - Fire tests on building materials and structures  
Standard/ Method of test : Part 20 - Methods for determination of the fire resistance of elements of construction (general principles)

Description of test specimen : The specimen comprised of one unit of damper with overall frame dimension of 1070mm (width) x 1070mm (height) x 230mm (depth) complete with a damper actuator and mounted in a brickwall construction.  
Model: VT-MSFD-AB (Aerofoil Blade)

Date received : 31 December 2019  
Job No. : J20191440833  
Test result : Integrity : 250 minutes  
Issued Date : 1 July 2020

Approved Signatory: *(HAFI MOHAMAD)*  
Senior Testing Executive

*(ALMI MUSA)*  
Head  
Fire Protection Section  
Testing Services Department

**TEST REPORT**

REPORT NO.: 2020FE0261 PAGE: 1 OF 16

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Taman Puchong Utama,  
47140 Puchong,  
Selangor Darul Ehsan,  
(Attn.: Mr. Joshua Cheong)

Manufacturer : VENTROX INDUSTRIES (M) SDN. BHD.,  
No. 6, Jalan TIAJ 2/7,  
Taman Industri Alam Jaya,  
42300 Bandar Puncak Alam,  
Selangor Darul Ehsan.

Product : Smoke and Fire Damper

Reference : Fire resistance test utilising the test methodology given in BS 476: Part 20:1987 - Fire tests on building materials and structures  
Standard/ Method of test : Part 20 - Methods for determination of the fire resistance of elements of construction (general principles)

Description of test specimen : The specimen comprised of one unit of damper with overall frame dimension of 1070mm (width) x 1070mm (height) x 230mm (depth) complete with a fusible link and mounted in a brickwall construction.  
Model: VT-SFD-CT (Curtain Type)

Date received : 31 December 2019  
Job No. : J20191440833  
Test result : Integrity : 250 minutes  
Issued Date : 1 July 2020

Approved Signatory: *(HAFI MOHAMAD)*  
Senior Testing Executive

*(ALMI MUSA)*  
Head  
Fire Protection Section  
Testing Services Department

**TEST REPORT**

REPORT NO.: 2020FE0263 PAGE: 1 OF 3

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Taman Puchong Utama,  
47140 Puchong,  
Selangor Darul Ehsan,  
(Attn.: Mr. Joshua Cheong)

Manufacturer : VENTROX INDUSTRIES (M) SDN. BHD.,  
No. 6, Jalan TIAJ 2/7,  
Taman Industri Alam Jaya,  
42300 Bandar Puncak Alam,  
Selangor Darul Ehsan.

Product : Smoke and Fire Damper

Reference : Fire resistance test utilising the test methodology given in BS 476: Part 20:1987 - Fire tests on building materials and structures  
Standard/ Method of test : Part 20 - Methods for determination of the fire resistance of elements of construction (general principles)

Description of test specimen : The specimen comprised of one unit of damper with overall frame dimension of 1070mm (width) x 1070mm (height) x 230mm (depth) complete with a fusible link and mounted in a brickwall construction.  
Model: VT-FDLT (Louvre Type)

Date received : 31 December 2019  
Job No. : J20191440833  
Test result : Integrity : 250 minutes  
Issued Date : 1 July 2020

Approved Signatory: *(HAFI MOHAMAD)*  
Senior Testing Executive

*(ALMI MUSA)*  
Head  
Fire Protection Section  
Testing Services Department

# VENTROX ACCREDITATION

**SIRIM QAS International Sdn Bhd** (410234-X)  
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40700 Shah Alam, Selangor Darul Ehsan,  
Malaysia  
Tel: +603 5544 8485  
Fax: +603 5544 8454  
www.sirim-qas.com.my

**TEST REPORT**

REPORT NO.: 2020FE080 PAGE: 1 OF 4

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A-2-3, Blok A  
Dataran Puchong, Jalan PU 7/1, Taman Puchong Utama  
47140 Puchong  
Selangor Darul Ehsan

**Manufacturer:** VENTROX INDUSTRIAL (M) SDN. BHD.  
No. 6, Jalan TIAJ 2/7  
Taman Industri Alam Jaya  
42300 Bandar Puncak Alam  
Selangor Darul Ehsan


**Product:** Fire Dampers  
1) VT-FDLT (Fire Damper Louvre Blade)  
2) VT-MSFD (Motorized Smoke & Fire Damper Louvre Blade)


**Reference standard/ Method of test:** BS 476: Part 20:1987 - Fire tests on building materials and structures  
Part 20 - Methods for determination of the fire resistance of elements of construction (general principles)


**Description of test specimen:** The test specimen comprised of:  
1) 1 unit of louvre blade fire damper with overall frame dimension of 1070 mm (width) x 1070 mm (height) x 230 mm (depth) complete with a fusible link.  
2) 1 unit of louvre blade motorized smoke and fire damper with overall frame dimension of 1070 mm (width) x 1070 mm (height) x 230 mm (depth) operated by electric actuator.

Both dampers were mounted into the openings of 200 mm thick masonry wall.

**Date received:** 21/08/2020  
**Job number:** J20201440417  
**Overall test result:** See page 2  
**Issued date:** 19/11/2020


**Approved signatory:**  
  
**(ZAINI AHMAD)**  
Senior Testing Executive

  
**(AZMI MUSA)**  
Head  
Fire Protection Section  
Testing Services Department




VENTROX INDUSTRIAL (M) SDN. BHD.


## Airflow and Acoustic Research and Development Study of Various Outlets



Report No. 30S-12-0228-TRP-306646-0

Vipac Engineers & Scientists Ltd  
Melbourne, Australia  
January 2019

  
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**TEST REPORT**  
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Seteco Services Pte Ltd  
18 Teban Gardens Crescent  
Singapore 609025  
Tel: (65) 6566 7777  
Fax: (65) 6566 7718  
www.seteco.com  
Issue Date: 19/11/2020

Date: 22<sup>nd</sup> March 2019

Your Ref: - Our Ref: MM-850000970/MA Page 1 of 3

**Subject:** Witnessing of Leakage Rate Measurement on Non-Return Damper (NRD).

**Tested for:** Ventrox Industrial (M) Sdn Bhd  
No.6 Jalan TIAJ2/7,  
Taman Industri Alam Jaya,  
42300 Bandar Puncak Alam, Malaysia  
**Attn:** Mr. Joshua CK Cheong


**Date & Place of Test:** 22<sup>nd</sup> March 2019 at Puncak Alam


**Method of Test:** An Airflow test equipment (Model: PAN341), Non-Return Damper (NRD) was mounted to a 300 x 300 x 296mm duct by client. Ensure all opening for the assembly were properly sealed.  
The Airflow tester shall supply air pressure at an increment of 200 Pa at 1 minute. The reading of the incline manometer was taken at the end of each interval up to 2000Pa.  
Observation & reading during the test was recorded.

**Description of Sample:** One set of stainless steel exhaust flue pipe which is said to be used to convey exhaust gases from its source (generator sets).

**Results:** Leakage Rate Test  
Refer to Table 1 attached.

S/No.	Sample Reference	Brand	Model	Qty
1	Non-Return Damper (NRD)	Ventrox	VI-GI-F-AL-B-NRD-TDC-300-300	01

  
**MOHAMMAD AZAM**  
Testing Officer

  
**CHEN YU**  
Assistant Manager (Mechanical Testing)  
Mechanical Technology Division

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www.seteco.com  
Business Reg No: 198900040

Date: 05<sup>th</sup> April 2019

Your Ref: - Our Ref: MM-8500002411/MA Page 1 of 3

**Subject:** Witnessing of Leakage Rate Measurement on Volume Control Damper (VCD).

**Tested for:** Ventrox Industrial (M) Sdn Bhd  
No.6 Jalan TIAJ2/7,  
Taman Industri Alam Jaya,  
42300 Bandar Puncak Alam, Malaysia.  
**Attn:** Mr. Joshua CK Cheong


**Date & Place of Test:** 04<sup>th</sup> April 2019 at Puncak Alam


**Method of Test:** An Airflow test equipment (Model: PAN341), Volume Control Damper (VCD) was mounted to a 300 x 300 x 296mm duct by client. Ensure all opening for the assembly were properly sealed.  
The Airflow tester shall supply air pressure at an increment of 200 Pa at 1 minute. The reading of the incline manometer was taken at the end of each interval up to 2000Pa.  
Observation & reading during the test was recorded.

**Description of Sample:** One set of stainless steel exhaust flue pipe which is said to be used to convey exhaust gases from its source (generator sets).

S/No.	Sample Reference	Brand	Model	Qty
1	Volume Control Damper (VCD)	Ventrox	VI-GI-VCD-TDC-300-300	01

**Results:** Leakage Rate Test  
Refer to Table 1 attached.


  
**MOHAMMAD AZAM**  
Testing Officer

  
**CHEN YU**  
Assistant Manager (Mechanical Testing)  
Mechanical Technology Division

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Ventrox Industrial (M) Sdn Bhd


## Airflow and Acoustic Research and Development Study of Four (4) VAV Boxes



Report No. 30S-15-0058-TRP-369238-0


Vipac Engineers & Scientists Ltd  
Melbourne, Australia  
September 2019

  
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## Air Flow and Acoustic Research and Development Study of various Air Outlets



Report No. 30A-10-0406-TRP-593133-7

Vipac Engineers & Scientists Pty Ltd  
Melbourne, Australia  
July 2019

  
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# VENTROX

## PROJECT HIGHLIGHTS

All of our projects, no matter big or small are treated with the same level of innovative detail and passion. We take pride in delivering a product or solution to ensure our customers receive reliable and professional service. We have been awarded the opportunity of being a part of designs below.

- PUN HLAING INTERNATIONAL HOSPITAL (MYANMAR)
- SHANGRI-LA HOTEL (PHILIPPINES)
- NEW WORLD HOTEL, MANILA BAY (PHILIPPINES)
- HERSHEY CHOCOLATE FACTORY (MALAYSIA)
- SINGTEL TOWER (SINGAPORE)
- AL REEM ISLAND - TAMOUH OFFICE (ABU DHABI,UAE)



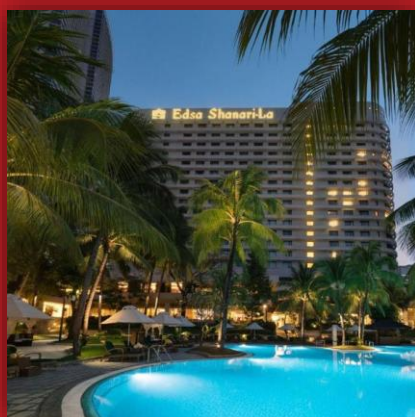
**HERSHEY CHOCOLATE FACTORY  
(MALAYSIA)**



**NEW WORLD HOTEL, MANILA  
BAY (PHILIPPINES)**



**PUN HLAING INTERNATIONAL  
HOSPITAL (MYANMAR)**



**SHANGRI-LA HOTEL  
(PHILIPPINES)**



**SINGTEL TOWER (SINGAPORE)**



**AL REEM ISLAND - TAMOUH  
OFFICE (ABU DHABI,UAE)**

No	Project Reference	Location	Industries
1	MRT Line 2	Malaysia	Commercial
2	Aeon Mall Semenyih	Malaysia	Commercial
3	Aeon Mall Maluri	Malaysia	Commercial
4	Aura Residence, Putrajaya	Malaysia	Commercial
5	Bukit Oug (Vistarena Platinum)	Malaysia	Commercial
6	University Tunku Abdul Rahman Kampar	Malaysia	Commercial
7	Santa Grand Hotel Kuala Lumpur	Malaysia	Commercial
8	Kuala Lumpur International Airport Level 2	Malaysia	Commercial
9	UTC Komtar Penang	Malaysia	Commercial
10	Post Office Miri, Sarawak	Malaysia	Commercial
11	Suria Padini , Sabah	Malaysia	Commercial
12	Instana Kota Kinabalu, Sabah	Malaysia	Commercial
13	Novo 8 Tower	Malaysia	Commercial
14	UTC Kajang , Selangor	Malaysia	Commercial
15	KSL City Mall, Selangor	Malaysia	Commercial
16	Sunshine Central, Penang	Malaysia	Commercial
17	10 Stoner Tower	Malaysia	Commercial
18	DuPont Malaysia	Malaysia	Commercial
19	Telekom Malaysia Tower, Seremban	Malaysia	Commercial
20	Kenanga Tower , Kuala Lumpur	Malaysia	Commercial
21	Batu Pahat Mall, Johor	Malaysia	Commercial
22	IKEA Damansara PJ	Malaysia	Commercial
23	Menara Hup Seng	Malaysia	Commercial
24	Wisma MMB PJ	Malaysia	Commercial
25	Wisma Teladan Setia	Malaysia	Commercial
26	Faithview Ambience Residence	Malaysia	Commercial
27	Iconic Hotel Penang	Malaysia	Commercial
28	UNIMAP Pelis	Malaysia	Commercial
29	Tetuan Crystal Faber	Malaysia	Commercial
30	Mid Valley Cititel Hotel	Malaysia	Commercial
31	Mid Valley St.Giles Hotel	Malaysia	Commercial
32	Mid Valley The Garden Hotel & Residences	Malaysia	Commercial
33	Mid Valley Boulevard Hotel	Malaysia	Commercial
34	Southkey St.Giles Hotel	Malaysia	Commercial
35	Penang Cititel Hotel	Malaysia	Commercial
36	Penang St.Giles Hotel	Malaysia	Commercial
37	Penang Cititel Express Hotel	Malaysia	Commercial
38	Tetuan Crystal Faber	Malaysia	Commercial
39	Majlis Perbandaran Pasir Gudang (JKR Project)	Malaysia	Government
40	Istana Johor Bukit Tunku (JKR Project)	Malaysia	Government
41	TLDM Wisma Laska Lumut (JKR Project)	Malaysia	Government
42	Kompleks PKNS Shah Alam (JKR Project)	Malaysia	Government
43	Istana Johor Bahru (JKR Project)	Malaysia	Government
44	TNB Banguan2 KL Sentral (JKR Project)	Malaysia	Government
45	Menara Telekom Malaysia Bangsa (JKR Project)	Malaysia	Government
46	Subang Airport (JKR Project)	Malaysia	Government
47	Muzium Diraja (JKR Project)	Malaysia	Government
48	SPKKP KK3 Kepala Batas (JKR Project)	Malaysia	Government
49	Istana Kota Kinabalu (JKR Project)	Malaysia	Government
50	Rumah Johor Uthant (JKR Project)	Malaysia	Government

No	Project Reference	Location	Industries
51	Bagan Specialist Hospital, Penang	Malaysia	Healthcare
52	General Hospital Kedah	Malaysia	Healthcare
53	Integrated DNA Technologies Malaysia (IDT)	Malaysia	Healthcare
54	Kuantan Hospital	Malaysia	Healthcare
55	SALAM Specialist Hospital Senawang	Malaysia	Healthcare
56	KPJ Hospital Kajang	Malaysia	Healthcare
57	UM Specialist Centre (UMSC)	Malaysia	Healthcare
58	TDK Factory Nilai	Malaysia	Industrial
59	IBIDEN Electronic Factory, Penang	Malaysia	Industrial
60	Greatech BK3, Penang	Malaysia	Industrial
61	NationGate Solution Perai, Penang	Malaysia	Industrial
62	Mareli Automative Lighting Factory, Penang	Malaysia	Industrial
63	Accurative Factory, Selangor	Malaysia	Industrial
64	Great Eco Glove Factory, Selangor	Malaysia	Industrial
65	Encompass Factory , Terengganu	Malaysia	Industrial
66	Robert Bosch Factory Penang	Malaysia	Industrial
67	Dyson Factory Johor	Malaysia	Industrial
68	Hershey (IAC Project), Senai	Malaysia	Industrial
69	Infineon Melaka	Malaysia	Industrial
70	Top Glove F 43 GM	Malaysia	Industrial
71	Kossan IQ3B	Malaysia	Industrial
72	Seagate Factory , Johor	Malaysia	Industrial
73	Intel KM5 Factory, Kulim	Malaysia	Industrial
74	Risen Solar Factory, Kulim	Malaysia	Industrial
75	Top Glove F34 GM	Malaysia	Industrial
76	Top Glove F35 GM	Malaysia	Industrial
77	Top Glove F36 GM	Malaysia	Industrial
78	Top Glove F31 GM	Malaysia	Industrial
79	Jacobs Douwe Egberts (JDE) Factory, Johor	Malaysia	Industrial
80	IAC Manufacturer Factory, Malacca	Malaysia	Industrial
81	Samsung SDI Energy Factory, Senawang	Malaysia	Industrial
82	Ajinamoto Enstek, Seremban	Malaysia	Industrial
83	TF AMD Factory, Penang	Malaysia	Industrial
84	Integrated DNA Technologies (M) (IDT) Factory	Malaysia	Industrial
85	Mircon Johor	Malaysia	Industrial
86	Heniken Malaysia Factory, Selangor	Malaysia	Industrial
87	Intel Pelican, Penang	Malaysia	Industrial
88	S.C Johnson & Son PJ	Malaysia	Industrial
89	VAT Manufacturing Batu Kawang	Malaysia	Industrial
90	MeHow Medical Penang	Malaysia	Industrial
91	Osram Kulim	Malaysia	Industrial
92	Cell Agritech Kulim	Malaysia	Industrial
93	Intel PG12, Penang	Malaysia	Industrial
94	Nestle Factory Shah alam	Malaysia	Industrial
95	Simmtech Penang	Malaysia	Industrial
96	Kamaya Electric Ipoh	Malaysia	Industrial
97	Sanmina Factory Penang	Malaysia	Industrial
98	Heamonetics Malaysia	Malaysia	Industrial
99	Jinko Solar	Malaysia	Industrial
100	Nestle Manufacturing Chembong	Malaysia	Industrial
101	Kao Denko (M) Factory	Malaysia	Industrial

No	Project Reference	Location	Industries
102	Jiemei Factory Senawang	Malaysia	Industrial
103	SC Johnson Factory PJ	Malaysia	Industrial
104	DB Schenker Warehouse	Malaysia	Industrial
105	Celestica Kulim	Malaysia	Industrial
106	MeMed Penang	Malaysia	Industrial
107	Unigen Technologis Factory Kulim	Malaysia	Industrial
108	Tiong Nam Warehouse Shah Alam	Malaysia	Industrial
109	Tenpower Malaysia	Malaysia	Industrial
110	Longi Solar Serendah	Malaysia	Industrial
111	Musang King	Malaysia	Data Center
112	AirTrunk Malaysia (JHB1)	Malaysia	Data Center
113	Yondr JHB1	Malaysia	Data Center
114	Yondr JHB2	Malaysia	Data Center
115	AirTrunk Malaysia (Equinix JH1)	Malaysia	Data Center
116	Proxima Data Center	Philippines	Data Center
117	AirTrunk Singapore (SGP1)	Singapore	Data Center
118	Sarawak Methanol Plant, Sarawak	Malaysia	Powerplant
119	Aurora CCGT Plant, Kulim	Malaysia	Powerplant
120	Melaka Euro 5 Refinery	Malaysia	Oil & Gas
121	ONGC Offshore Process KG DWN 98/2	Malaysia	Oil & Gas
122	Kasawari - CCS Project	Malaysia	Oil & Gas
123	Rosmari Marjoram Sarawak	Malaysia	Oil & Gas
124	Kasawari - M1-DR	Malaysia	Oil & Gas
125	Kasawari - GDP - Topside	Malaysia	Oil & Gas
126	Kasawari SK480W Jerun Field Development Project	Malaysia	Oil & Gas
127	Morimatsu Dialog	Malaysia	Oil & Gas
128	Celestica Factory Thailand	Thailand	Industrial
129	Widus Hotel	Philippines	Commercial
130	110 Benavide Tower	Philippines	Commercial
131	Wack Wack Tower Shang Development	Philippines	Commercial
132	North Buona Vista Lift Station, Singapore	Singapore	Commercial
133	Apple Store At Orchard	Singapore	Commercial
134	Bishan Fire Station	Singapore	Commercial
135	Nanyang Technological University (ABS)	Singapore	Commercial
136	National Kidney Foundation Building	Singapore	Commercial
137	DB Schenker Warehouse	Singapore	Commercial
138	Changi Airport Terminal 4	Singapore	Commercial
139	Robinson 77 tower	Singapore	Commercial
140	Mtower in Alexandra Office tower	Singapore	Commercial
141	Solaris Ubisoft Building	Singapore	Commercial
142	Changi Airport Terminal 2	Singapore	Commercial
143	ITE College East Singapore	Singapore	Commercial
144	Ministry of Foreign Affairs Singapore	Singapore	Government
145	PSA Pasir Panjang Terminal Building 1	Singapore	Government
146	PSA Pasir Panjang Terminal Building 3	Singapore	Government
147	Ministry of National Development (MND) Singapore	Singapore	Government

No	Project Reference	Location	Industries
148	Gambling Regulatory Authority (GRA) Tower Singapore	Singapore	Government
149	Supreme Court of Singapore	Singapore	Government
150	ST Engineering AMK	Singapore	Industrial
151	Hyundai Motor Group Innovation Center Singapore	Singapore	Industrial
152	VDL Enabling Technologies Group	Singapore	Industrial



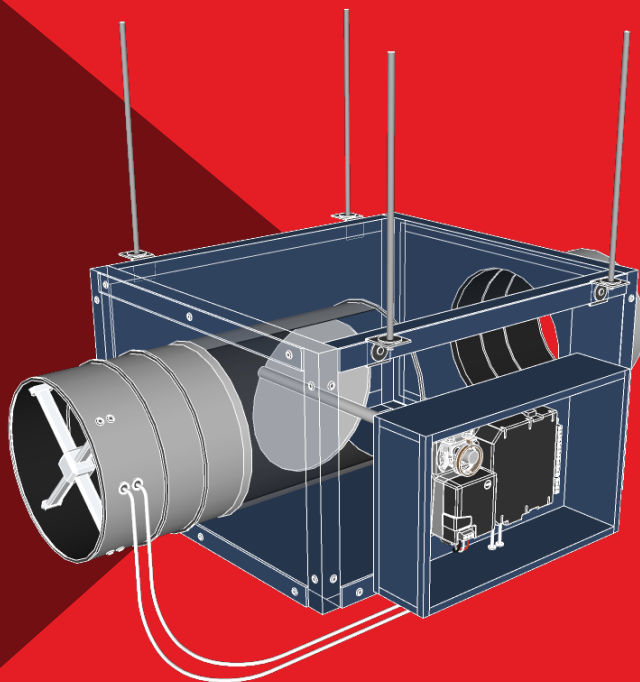
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**ACCOMPLISHED  
VAV PROJECTS**

No	VAV Project Reference	Location	Industries
1	University Tunku Abdul Rahman Kampar	Malaysia	Commercial
2	UTC Komtar Penang	Malaysia	Commercial
3	Wisma MMB PJ	Malaysia	Commercial
4	Wisma Teladan Setia	Malaysia	Commercial
5	Menara Hup Seng	Malaysia	Commercial
6	Celcom Tower PJ	Malaysia	Commercial
7	UTC Kajang , Selangor	Malaysia	Commercial
8	UNIMAP Pelis	Malaysia	Commercial
9	TLDM Wisma Laska Lumut (JKR Project)	Malaysia	Government
10	Kompleks PKNS Shah Alam (JKR Project)	Malaysia	Government
11	Menara Telekom Malaysia Bangsa (JKR Project)	Malaysia	Government
12	TNB Bangunan2 KL Sentral (JKR Project)	Malaysia	Government
13	Hospital Women & Child Kuala Lumpur	Malaysia	Healthcare
14	Integrated DNA Technologies Malaysia (IDT)	Malaysia	Healthcare
15	Bagan Specialist Hospital, Penang	Malaysia	Healthcare
16	General Hospital Kedah	Malaysia	Healthcare
17	Osram Kulim	Malaysia	Industrial
18	Sanmina Factory Penang	Malaysia	Industrial
19	Wack Wack Tower Shang Development	Philippines	Commercial
20	DB Schenker Warehouse	Singapore	Commercial
21	Changi Airport Terminal 4	Singapore	Commercial
22	Robinson 77 tower	Singapore	Commercial
23	Mtower in Alexandra Office tower	Singapore	Commercial
24	Solaris Ubisoft Building	Singapore	Commercial
25	ST Engineering AMK	Singapore	Industrial



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No	SILENCER Project Reference	Location	Industries
1	AMD Penang	Malaysia	Industrial
2	Mewah Oil Factory	Malaysia	Industrial
3	Bangsar Hospital	Malaysia	Healthcare
4	TRX Exchange 106 GM	Malaysia	Commercial
5	Monash University	Malaysia	Commercial
6	Sunway University Set Lab	Malaysia	Commercial
7	Widus Hotel	Philippines	Commercial
8	Proxima Data Centre	Philippines	Data Centre
9	Aceda Bank	Cambodia	Commercial
10	Vattanac Bank	Cambodia	Commercial
11	Kingston Mapletree	Singapore	Commercial
12	Our Tampines Hub	Singapore	Commercial
13	Buona Vista	Singapore	Commercial

No	ACOUSTIC LOUVRE Project Reference	Location	Industries
1	Bagan Specialist Hospital	Malaysia	Healthcare
2	Aceda Bank	Cambodia	Commercial
3	Vattanac Bank	Cambodia	Commercial
4	Kingston Mapletree	Singapore	Commercial
5	Logos Tanjong Penjuru	Singapore	Commercial
6	Migrant Workers' Medical Centre	Singapore	Commercial
7	Widus Hotel	Philippines	Commercial
8	Proxima Data Centre	Philippines	Data Centre

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## Contact Us



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