



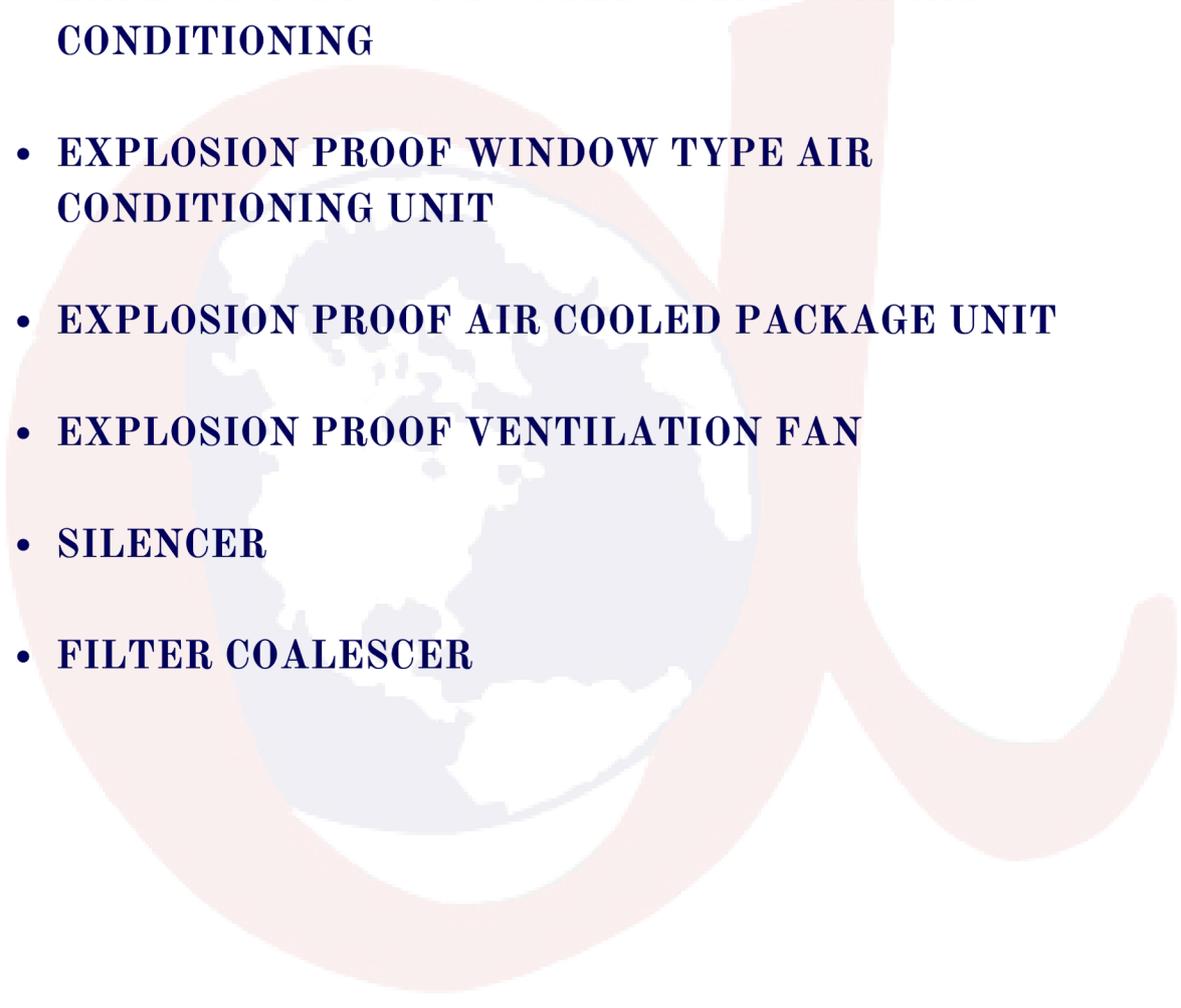
# **AGV OFFSHORE SDN BHD**

## PRODUCT CATALOG

“Creating the right indoor environment is a challenge we understand. That is why our approach in the industry is to provide custom-engineered solutions to meet your needs.”

EPCC CONTRACTING COMPANY:  
HEATING, VENTILATION AND AIR CONDITIONING & REFRIGERATION  
(HVAC-R), FIRE FIGHTING SYSTEM & ELECTRICAL WORKS

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- **EXPLOSION PROOF SPLIT UNIT AIR CONDITIONING**
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  - **EXPLOSION PROOF WINDOW TYPE AIR CONDITIONING UNIT**
  - **EXPLOSION PROOF AIR COOLED PACKAGE UNIT**
  - **EXPLOSION PROOF VENTILATION FAN**
  - **SILENCER**
  - **FILTER COALESCER**
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**EXPLOSION PROOF SPLIT UNIT  
AIR CONDITIONING**

# AGV-NDS-EX SERIES EXPLOSION PROOF SPLIT UNIT AIR CONDITIONING

Cooling Capacity: 9000 BTU/H to 50000 BTU/H



AGV-NDS-EX Split Air Conditioning Series are robustly designed and constructed for use in the hazardous offshore, marine and petrochemical environment. Materials and components are selected to provide resistance to corrosion, long service life and optimum reliability along with standardization of common components across the range to provide resistance to corrosion, long service life and optimum reliability along with standardization of common components across the range to ensure spare parts are always readily available at competitive prices. AGV-NDS-EX is designed in accordance to AHRI 410-2011 standard & meet ASHRAE Standard 90.1 Energy Efficiency Code.

## Features:

- Range of cooling capacities from 9000 Btu/h to 50000 Btu/h
- Compactly designed to have minimal footprint
- Constructed from Stainless Steel and G.I for outdoor unit
- Explosion proof split air conditioner is based renowned brand by taking explosion proof measures to the outdoor units. Compressor, outdoor fan motor, impeller & proactive system.
- Optimized drive ensures lower noise and reduced vibration system.
- Suitable for Zone 1, Zone 2 or Marine environment
- Copper Fin coil for durability
- Anti Static Fan



INDOOR UNIT – SAFE AREA



INDOOR UNIT – SAFE AREA



OUTDOOR UNIT – HAZADOUS

## Typical Application:

This equipment is suitable for providing climate control in the following typical applications:

- Drilling Cabin
- Control Rooms
- Laboratory
- Mud logging units
- Accommodation modules
- Workshops
- E-House Modules

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# AGV-NDS-EX SERIES EXPLOSION PROOF SPLIT UNIT AIR CONDITIONING

Cooling Capacity: 9000 BTU /H to 50000 BTU /H

## RANGE - Capacity

MODEL		WALL MOUNTED				CEILING EXPOSED					
		AGV-NDS-EX-010	AGV-NDS-EX-015	AGV-NDS-EX-020	AGV-NDS-EX-025	AGV-NDS-EX-015	AGV-NDS-EX-020	AGV-NDS-EX-025	AGV-NDS-EX-030	AGV-NDS-EX-040	AGV-NDS-EX-050
Total Cooling Capacity	Blu/hr	10,000	13,000	20,000	25,000	13,000	20,000	25,000	30,000	40,000	50,000
Refrigerant	Type	HOMOGENEOUS AND NON-HOMOGENEOUS									
Power Source	V/Fn/Hz	AS PER CLIENT'S REQUIREMENT									

**Note:**

1. Due to our policy of innovation, all specifications are subjected to change without prior notice.
2. All units are being comply to international standards such as ISO 5151 and AHRI 210/240.
3. Nominal cooling capacity are based on the conditions below :
  - Cooling 27°C DB/19°C WB indoor and 35°C DB/24°C WB outdoor.
4. All specifications are subjected to change by the manufacturer without prior notice
5. The cooling capacity stated fro reference; kindly approach manufacturer (AGV) for customized capacity as well as the dimension of the equipment.

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**EXPLOSION PROOF DUCTED  
SPLIT UNIT AIR CONDITIONING**

# AGV-DS-EX SERIES EXPLOSION PROOF DUCTED SPLIT UNIT AIR CONDITIONING

Cooling Capacity: 18000 BTU/H to 900000 BTU/H



AGV-DS-EX Split Air Conditioning Series are robustly designed and constructed for use in the hazardous offshore, marine and petrochemical environment. Materials and components are selected to provide resistance to corrosion, long service life and optimum reliability along with standardization of common components across the range to ensure provide resistance to corrosion, long service life and optimum reliability along with standardization of common components across the range to ensure spare parts are always readily available at competitive prices. AGV-DS-EX is designed in accordance to AHRI 410-2011 standard & meet ASHRAE Standard 90.1 Energy Efficiency Code.

## Features:

- Range of cooling capacities from 18000 Btu/h to 900000 Btu/h
- Compactly designed to have minimal footprint
- Constructed from Stainless Steel and G.I for outdoor unit
- Explosion proof split air conditioner is based renowned brand by taking explosion proof measures to the outdoor units. Compressor, outdoor fan motor, impeller & proactive system.
- Optimized drive ensures lower noise and reduced vibration system.
- Suitable for Zone 1, Zone 2 or Marine environment
- Copper Fin coil for durability
- Anti Static Fan



OUTDOOR UNIT – HAZARDOUS

## Typical Application:

This equipment is suitable for providing climate control in the following typical applications:

- Drilling Cabin
- Control Rooms
- Laboratory
- Mud logging units
- Accommodation modules
- Workshops
- E-House Modules



INDOOR UNIT – SAFE AREA

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# AGV-DS-EX SERIES EXPLOSION PROOF DUCTED SPLIT UNIT AIR CONDITIONING

Cooling Capacity: 18000 BTU/H to 900000 BTU/H

## RANGE - Capacity

MODEL		AGV-DS-EX-001	AGV-DS-EX-005	AGV-DS-EX-009	AGV-DS-EX-012	AGV-DS-EX-030	AGV-DS-EX-050	AGV-DS-EX-075
Total Cooling Capacity	BTU/H	18000	60000	108000	144000	360000	600000	900000

### Note:

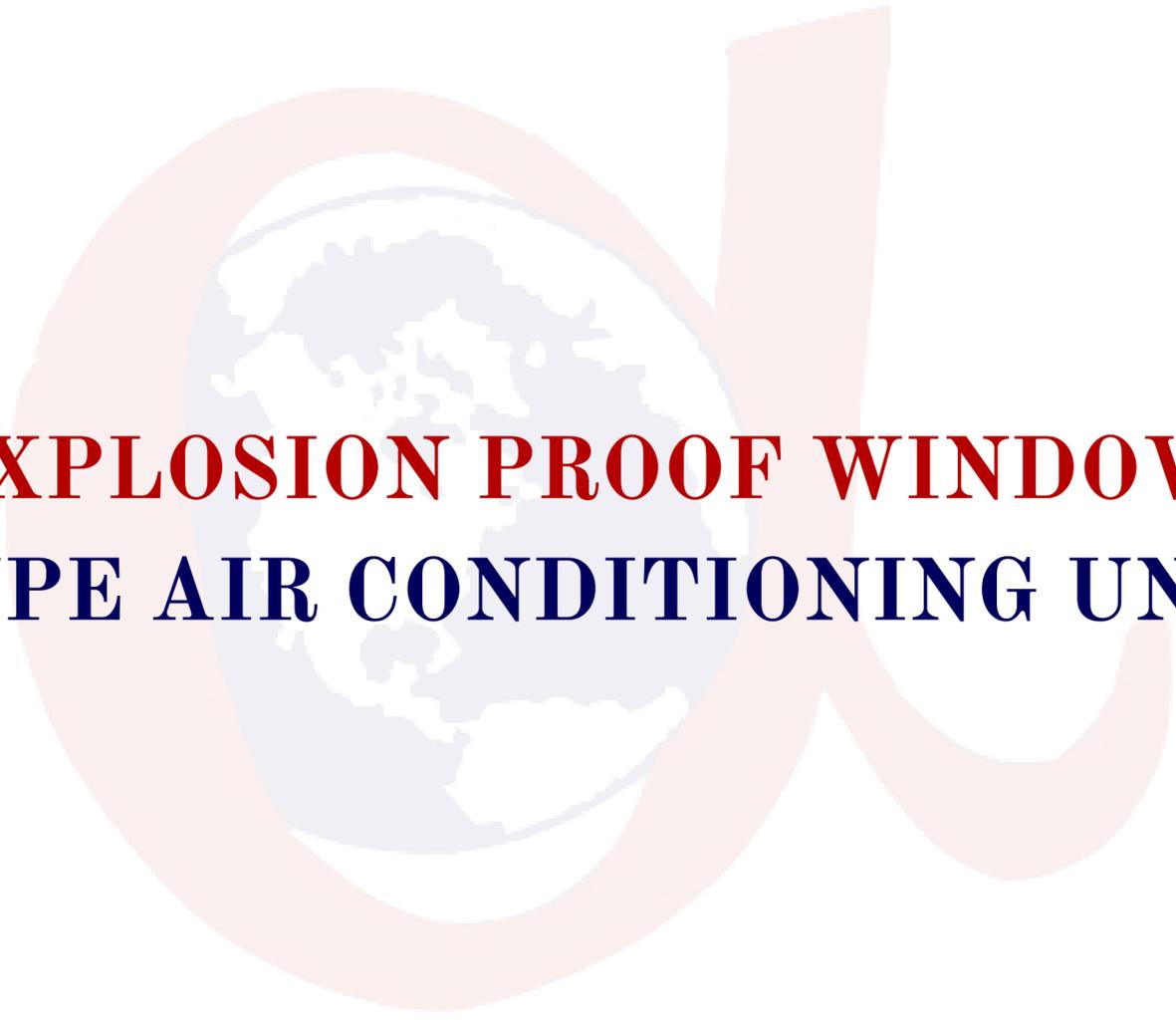
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**EXPLOSION PROOF WINDOW**  
**TYPE AIR CONDITIONING UNIT**

# AGV-WUM-EX SERIES EXPLOSION PROOF WINDOW TYPE AIR CONDITIONING UNIT

Cooling Capacity: 9000 BTU/H to 24000 BTU/H



AGV-WUM-EX Window Type Air Conditioning Series are robustly designed and constructed for use in the hazardous offshore, marine and petrochemical environment. Materials and components are selected to provide resistance to corrosion, long service life and optimum reliability along with standardization of common components across the range to ensure spare parts are always readily available at competitive prices. AGV-WUM-EX is designed in accordance to AHRI 410-2011 standard & meet ASHRAE Standard 90.1 Energy Efficiency Code.

## Features:

- Range of cooling capacities from 9000 Btu/h to 24000 Btu/h
- Compactly designed to have minimal footprint
- Constructed from Stainless Steel and G.I for outdoor unit
- Explosion proof split air conditioner is based renowned brand by taking explosion proof measures to the outdoor units. Compressor, outdoor fan motor, impeller & proactive system.
- Optimized drive ensures lower noise and reduced vibration system.
- Suitable for Zone1, Zone 2 or Marine environment
- Copper Fin coil for durability
- Anti Static Fan



## Typical Application:

This equipment is suitable for providing climate control in the following typical applications:

- Drilling Cabin
- Control Rooms
- Laboratory
- Mud logging units
- Accommodation modules
- Workshops
- E-House Modules

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# AGV-WUM-EX SERIES EXPLOSION PROOF WINDOW TYPE AIR CONDITIONING UNIT

Cooling Capacity: 9000 BTU/H to 24000 BTU/H

## RANGE - Capacity

MODEL		AGV-WUM-EX-010	AGV-WUM-EX-015	AGV-WUM-EX-020	AGV-WUM-EX-025
Total Cooling Capacity	Btu / hr	9000	12000	18000	24000
Power Source	V/Ph/Hz	AS PER CLIENT'S REQUIREMENT			

### *Note:*

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**EXPLOSION PROOF**  
**AIR COOLED PACKAGE UNIT**

# AGV-ADP-EX SERIES EXPLOSION PROOF AIR COOLED PACKAGE UNIT

Cooling Capacity: 60000 BTU/H to 900000 BTU/H

AGV-ADP-EX Air Cooled Package Unit Series are robustly designed and constructed for use in the hazardous offshore, marine and petrochemical environment. Materials and components are selected to provide resistance to corrosion, long service life and optimum reliability along with standardization of common components across the range to ensure spare parts are always readily available at competitive prices. ADP-EX is designed in accordance to AHRI 410-2011 standard & meet ASHRAE Standard 90.1 Energy Efficiency Code.

## Features:

- Range of cooling capacities from 60000 Btu/h to 900000 Btu/h
- Compactly designed to have minimal footprint
- Constructed from Stainless Steel and G.I for outdoor unit
- Explosion proof split air conditioner is based renowned brand by taking explosion proof measures to the outdoor units. Compressor, outdoor fan motor, impeller & proactive system.
- Optimized drive ensures lower noise and reduced vibration system.
- Suitable for Zone 1, Zone 2 or Marine environment
- Copper Fin coil for durability
- Anti Static Fan



## Typical Application:

This equipment is suitable for providing climate control in the following typical applications:

- Drilling Offices
- Control Rooms
- ROV Power / Control Cabins
- Laboratory modules
- Accommodation modules
- Workshops
- Analyzer Houses
- Filed Auxiliary Room (FAR)
- Sub-Station Building
- Custody Metering Room



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# AGV-ADP-EX SERIES EXPLOSION PROOF AIR COOLED PACKAGE UNIT

Cooling Capacity: 60000 BTU/H to 900000 BTU/H

## RANGE - Capacity

MODEL	AGV-ADP-EX-005	AGV-ADP-EX-009	AGV-ADP-EX-012	AGV-ADP-EX-030	AGV-ADP-EX-050	AGV-ADP-EX-075
Total Cooling Capacity: (BTU/H)	60000	108000	144000	360000	600000	900000
Rated Voltage / Phase / Frequency (V / $\phi$ / Hz)	AS PER CLIENT'S REQUIREMENT					

### Note:

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**EXPLOSION PROOF**  
**VENTILATION FAN**

# AGV-AXN-EX SERIES EXPLOSION PROOF VENTILATION FAN

AXIAL FLOW FAN



AGV-AXN axial fan moving air for hot or cold air exchange in a wide variety of devices and systems. AGV-AXN axial fan serves as the general workhorse due to its cost effectiveness, easy operation and installation. The outstanding features of axial fans are their small installation depth, low noise level and exceptional efficiency, and are particularly well suited for air flow through heat exchangers.

## Features:

- Available in three-phase 230/400V 50Hz up to 2.2kW and 400V above.
- Depending on the diameter, the motors are available in 2,4,6, and 8 poles configurations.
- From each diameter and each speed of rotation, the range includes 5 impeller blade angles- a total of almost 185 possible combinations to satisfy any request.
- Depending on your requirements, we propose to you several constructions: either short casing, long casing, or square plate with specific dimension, for installation in ducted system HVAC for use with industrial processes.
- All the components in the AGV-AXN Axial Flow Fan are anti-static type and corrosion free.



## Long / Short Casing

Wheel usually have two or more single thickness blades in a single ring enclosure.

## Application

High volume air moving application such as air circulation within a space or ventilation through a wall without attached duct work.

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# AGV-AXN-EX SERIES

## EXPLOSION PROOF

## VENTILATION FAN

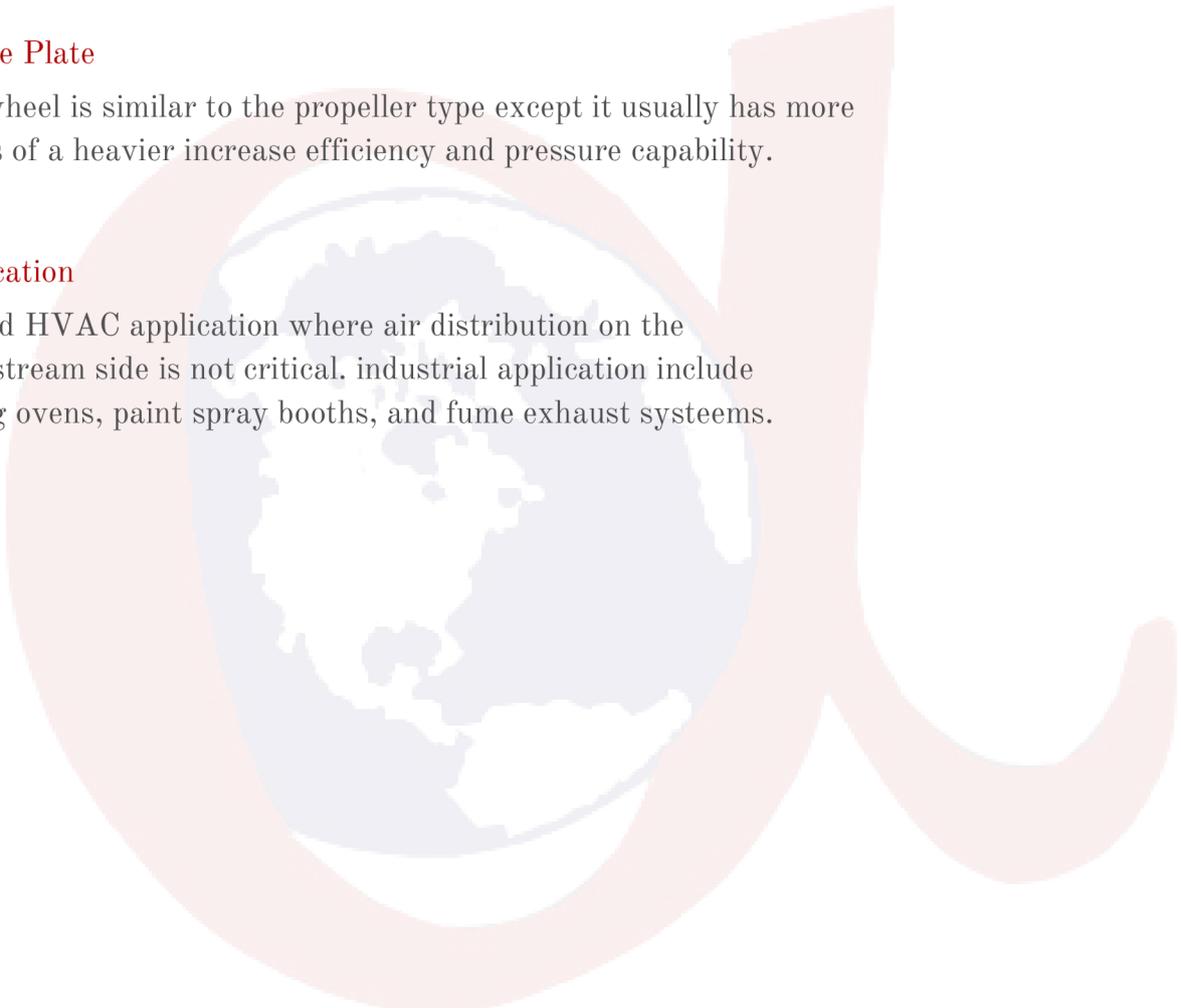
### AXIAL FLOW FAN

#### Square Plate

The wheel is similar to the propeller type except it usually has more blades of a heavier increase efficiency and pressure capability.

#### Application

Ducted HVAC application where air distribution on the downstream side is not critical. industrial application include drying ovens, paint spray booths, and fume exhaust systems.



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**SILENCER**

# AGV-SLL SERIES

## SILENCER

### DUCT SILENCER SOUND CONTROL

AGV-SLL silencers are designed to reduce noise primarily in heating, ventilation, and air conditioning systems, available for either exterior applications. Use AGV-SLL silencer wherever you need to reduce airborne noise while allowing air movement:

- Air flow in and out of a noisy area or building
- Fan and Blower intake or discharge
- Air handling plenums
- Equipment enclosures

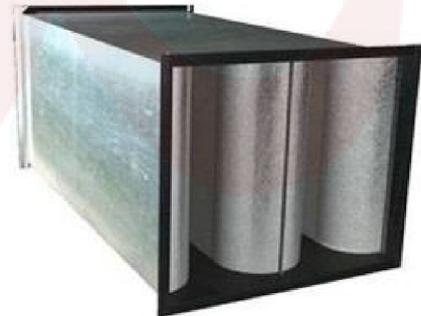


Insertion loss reported in unit of dB, it is a measure of the true attenuation or noise reduction of a silencer. Insertion loss can be directly subtracted from the noise level of a fan or other noise maker that the silencer is attached to achieve the resultant, quieted noise levels. AGV-SLL rectangular duct silencers sound control come in variety of configurations.

- Standard duct sizes
- High insertion loss
- Low pressure drop
- Low Break-out noise

#### Key Design Features:

- Superior static pressure performance
- Acoustically transparent perforated liner
- Acoustically grade fibrous media
- Low break-out noise



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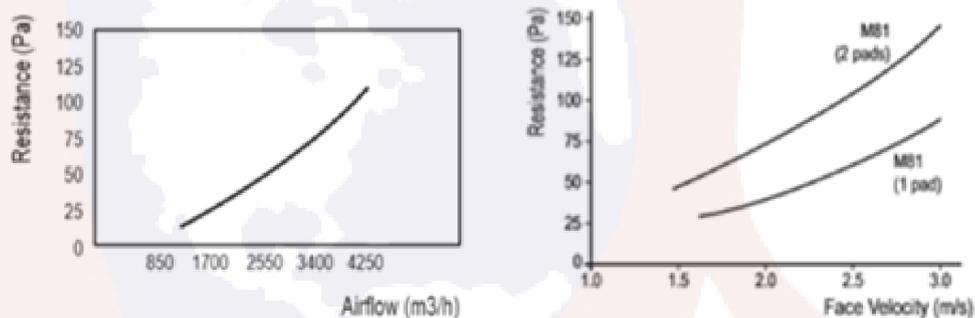
**FILTER**  
**COALESCER**

# AGV-FC SERIES FILTER COALESCER

the AGV-FC series Filter Coalescer traps and removes particle and moisture from fresh air. Separating liquid droplets is a challenge, but it IS as critical as particulate filtration to keep systems moving.

The particle arrester use in general heating, ventilation and air conditioning systems where protection is required from larger particle contamination from fresh air.

Demister Filter is constructed from multi-layer knitted mesh media and provides a dense 'mat' through which process gas flows and liquid entrainment is trapped through impingement/coalescence and prevented from passing downstream, achieving moisture / fresh air.



## Key Design Features:

- Low pressure drop
- Economical
- Long service live
- Strong resilient design
- High dust holding
- 3-stage filtration (1st stage - Moisture eliminator, 2nd stage - Particle arrester & 3rd stage Demister)



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