

DAMPER

Volume control damper



Manual VCD

Material:
Galvanized steel
Feature:
Connected with duct work to control air volume.
Control:
Flat type manual switch.



Manual VCD

Material:
Galvanized steel
Feature:
Connected with duct work to control air volume.
Control:
OM switch.



Cylinder Type VCD

Material:
Galvanized steel
Feature:
Connected with duct work to control air volume.
No flange, single flange, double flanges are available.



Electrical VCD

Material:
Galvanized steel
Feature:
Connected with duct work to control air volume.
Control:
Electrical actuator.

Fire damper



Fire Damper

Material:
Galvanized steel
Feature:
1. Normally open. When the air temp. reaches 70°C (or 280°C), it will shut down the blades automatically. Reset manually.
2. Blades can be opened/closed manually.
3. Six opening angles for blades.
Option: Blades close signal output.



Cylinder Fire Damper

Material:
Galvanized steel
Feature:
1. Normally open. When the air temp. reaches 70°C (or 280°C), it will shut down the blades automatically. Reset manually.
2. Blades can be opened/closed manually.
3. Six opening angles for blades.
Option: Blades close signal output.

Smoke damper



Smoke Damper

Material:
Galvanized steel
Feature:
Normally close. When fire, open blades to exhaust smoke. Reset manually.
Option: Electrical actuator.



Decorative Damper

Material:
Galvanized steel
Feature:
Can act as a fire damper or a smoke damper.
Control the gate open or close by DC 24V signal. Reset manually.



Smoke Exhaust

Material:
Galvanized steel
Feature:
Normally close. When smoke detector acts, it send DC24V signal to actuator and open the plate. Can open manually. Reset manually.



Check Valve

Material:
Galvanized steel
Feature:
Prevent air back-flow inside the duct. Air velocity should be higher than 8 m/s when operating.



Opposed Blade Damper

Material:
Aluminum alloy
Feature:
Installed behind air diffuser/register to control air volume.

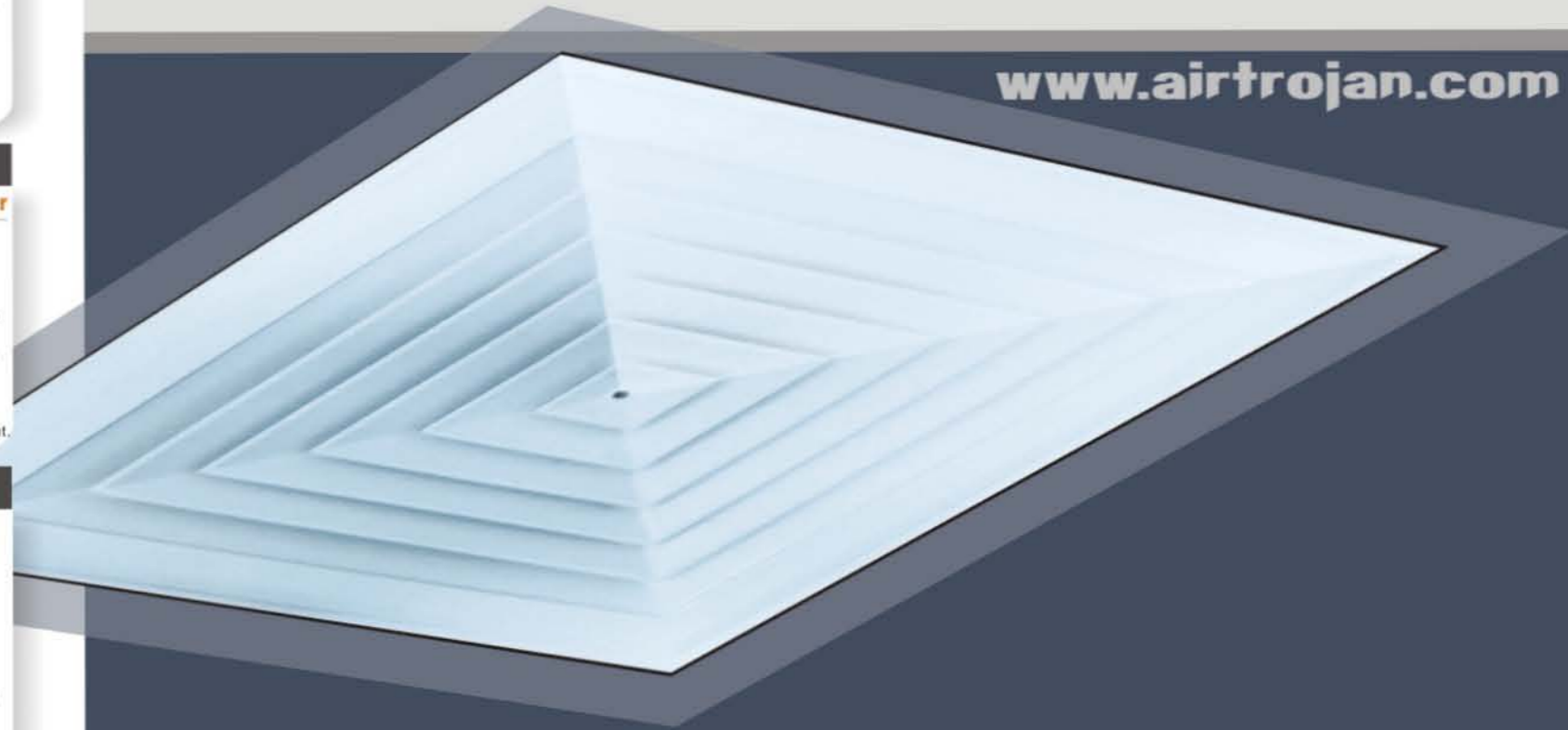
Distributor/Agent:



AirTrojan International Co., Ltd.

**AIR DIFFUSER
VENT CAP
FLEXIBLE DUCT
DAMPER**

www.airtrojan.com



AIR DIFFUSER/RETURN GRILLE/VENT CAP



4 Way Square Type
Material: Aluminum alloy
Structure: Split design for inner core and outer frame
Feature: 1-way to 4-way blow types are available
Option: Opposed blade damper



Circular Type
Material: Aluminum alloy
Structure: Split design for inner core and outer frame
Feature: Special design for best air spread
Option: Butterfly air volume control



Egg Crate Type
Material: Aluminum alloy
Structure: Core part fixed or hinged are available.
Feature: Eye size 12.7mm x 12.7mm
 Large effective air area
Option: Opposed blade damper
 Filter



Linear Type
Material: Aluminum alloy
Structure: Louvers angle 0° or 15° fixed
Feature: Streamline shape louvers
Option: Opposed blade damper
 Filter



Blades Adjustable
Structure: Single deflection
 Louvers can be adjusted from 0° to 180°
 Double deflection
 Both layers louvers can be adjusted from 0° to 180°
Option: Opposed blade damper
 Filter for single deflection



Slot Type
Material: Aluminum alloy
Structure: Adjustable louvers inside slot
Size:

Slot	19	26	35	45	55
Neck size	47	78	116	154	192
Face size	76	114	152	190	228

Unit: mm



Return Air Grille
Material: Aluminum alloy
Structure: Core part fixed or hinged are available.
 Blades fixed.
Option: Opposed blade damper
 Filter



Weatherproof Louver
Material: Aluminum alloy
Structure: Louvers 45° decline fixed
Feature: Louvers are waterproof and anti-splash
Option: Vermin mesh
 Anodized or painted



Gravity Flap
Material: Aluminum alloy
Feature: Louvers normally closed by gravity. Allow air go through from one direction only.
Option: Vermin mesh
 Opposed blade damper
 Filter



Door Grille
Material: Aluminum alloy
Structure: Double sided grille joined together by screws.
 Min. recommended thickness of the door leaf is 32mm.
Feature: Mounting in the door leaf of bathroom, toilet, kitchen etc.

Vent Cap



Ball Shape Vent Cap
Material: Stainless steel
Structure: To fit 4", 6", 8" or 10" duct.
 Insect screen included.



Flat Shape Vent Cap
Material: Stainless steel
Structure: To fit 4", 6", 8" or 10" duct.
 Insect screen included.

AIR VALVE/FLEXIBLE DUCT



Disk Type
Structure: Outer part is circular type; core part is disk shape.
Feature: Core disk can be adjusted.
Neck size: ø150, 200, 250, 300, 350, 375mm



Ring Type
Structure: Outer part is circular type; core part is combination of rings.
Feature: Inner rings can be adjusted ±45°. High air blow distance.
Neck size: ø150, 200, 250, 300, 350mm



Ball Spout Type
Structure: Combined by outer shell and inner ball spout parts.
Feature: Inner part can be adjusted ±30° to adjust air direction.
Neck size: ø125, 150, 200, 250mm



Eddy Type
Structure: Combined by outer shell and inner eddy core.
Feature: Get different air volume by adjust the core part's height.
 High air blow distance, low noise.
Neck size: ø250, 320, 400, 500mm



Jet Type
Structure: Combined by outer shell and inner jet parts.
Feature: Inner part can be adjusted ±45° to adjust air direction.
 Equipped air volume control board in neck portion to adjust air volume.
Size: ø125, 150, 200, 250mm



Drum Type
Structure: Combined by outer shell and inner parts.
Feature: Inner part can be adjusted ±30° to adjust air direction.
 Louvers adjustable.
Size: Width 125, 150, 200, 250mm

Flexible duct



Flexible Duct
Structure: Aluminum foil enhanced with spiral steel wire
Specification: Maximum air velocity 30 m/s
 Temp. range -30°C~140°C
 Max. operation pres. 250mmWG
Feature: Extraordinary flexible to fit round or oval connections.
Size: Dia. ø3"-24"; standard length 10m



Insulated Flexible Duct
Structure: Alu. foil flexible duct as core, covered with 16-24k/25mm thick fiberglass wool then use enhanced alu. foil as jacket.
Specification: Same as flexible duct
Feature: Extraordinary flexible to fit round or oval connections.
Size: Dia. ø3"-24"; standard length 10m



PVC Flexible Duct
Structure: PVC enhanced with spiral wire
Feature: Excellent flexibility and strength, light weight, easy to install. Cost-saving. Idea for ventilation system.
Specification: Temp. range -30°C~250°C
 Max. air velocity 30 m/s
 Max. working pressure 250mmWG
Size: Dia. ø2.5"-16"; Length per request (Standard 10m)



Nylon Flexible Duct
Structure: Nylon enhanced with built-in spiral steel wire
Feature: Excellent flexibility and strength, light weight, easy to install. Ideal for chemical ventilation system.
Specification: Same as PVC flexible duct
Size: Dia. ø2"-16"; Length per request (Standard 10m)



Fiberglass-Alu. Foil Composite Duct
Structure: Fiberglass cloth laminate with alu. foil enhanced with spiral steel wire.
Feature: Excellent strength, won't break when bent or extend. Ideal for any ventilation system.
Size: Dia. ø3"-16"; Length per request (Standard 10m)



Semi-rigid Duct
Structure: 0.08 or 0.11mm thick aluminum
Feature: Extraordinary flexibility and extensibility. Light weight, easy to install. Idea for range hood, toilet or any ventilation system.
Specification: Temp. range -30°C~250°C
 Max. air velocity 25 m/s
 Max. working pressure 200mmWG
Size: Dia. ø3"-14"; Length per request (Standard 3m)