

VIMALTECH™

VSC HVAC LLP



About ADP

GRILLS

Grilles are appropriate for use on ceilings, floors, and sidewalls and cover a wide range for supply and return in air distribution of HVAC systems. They are chosen for ventilation outlets and many other applications because of their appealing continuous, line, architectural appearance. The grilles are made with precisely measured corners and come with one-way airflow patterns for 0, 15, 30 and 45 degree deviation of the bar.

MATERIALS & FINISHING

MOC : Extruded Aluminium

FRAME : Extruded Aluminium 1.2mm.Thickness

BLADE : Extruded Aluminium 1.2mm. Thickness

BLADE TYPE : Horizontal Fixed bar , One Way/ Two Way

BLADE SPACING : 11.5mm.

DEFLECTION : 00 / 150 / 300 / 450 /

FINISH : Epoxy Powder Coated

COLOUR SHADE : As per RAL color shade



DIFFUSERS

With our continued success we have gained expertise in producing & supplying round & rectangular diffusers. We have wide selection in cauterly of rectangular diffusers, which are most adaptive by the end users as per there requirements. Due to there effective designs, ease in availability it becomes easy for selection as per conditions.



Tile / Armstrong Diffuser (celling types) (Size in mm)

Sr no.	Neck Size	Outer Flange Size
1	150 x 150	600 x 600
2	225 x 225	600 x 600
3	300 x 300	600 x 600
4	375 x 375	600 x 600
5	450 x 450	600 x 600

Round Diffuser (Size in mm)

Sr no.	Neck Size Diameter	Outer Size Diameter
1	150	300
2	225	375
3	300	450
4	375	525
5	450	600

Gypsum Diffuser (regular types) (Size in mm)

Sr no.	Diffuser Neck Size	Outer Size
1	150 x 150	200 x 200
2	225 x 225	285 x 285
3	300 x 300	360 x 360
4	375 x 375	445 x 445
5	450 x 450	515 x 515
6	525 x 525	585 x 585
7	600 x 600	665 x 665
8	675 x 675	745 x 745



JET NOZZLE

A jet eyeball diffuser can provide air to places that require long-range penetration and low noise levels. These flexible, adaptable devices are ideal for providing accurate ventilation or when applications for cold or warm air delivery are required. Combining them can considerably improve penetration. The jet eyeball diffusers are made of aluminium sheet, and powder painting is offered in accordance with RAL CODES. There are 6 sizes available to fit standard duct sizes.

Jet Nozzle (Size in mm)			
Sr no.	Product Model	Duck Opening (Neck Size)	Outer Size
	CODE	A	B
1	VSC-4"/95mm	95mm	140mm
2	VSC-6"/152mm	152mm	203mm
3	VSC-8"/217mm	217mm	257mm
4	VSC-10"/270mm	270mm	340mm
5	VSC-12"/340mm	340mm	390mm
6	VSC-15"/387mm	387mm	445mm



DAMPERS

These dampers are meticulously constructed using premium raw materials and adhering to industry standards. We provide a wide selection of dampers in various sizes, shapes, with completed high-quality items. Also, we guarantee that these dampers reach the customer's location within the stipulated frame of time.



LOUVERS

The 45-degree blades for air intake or extraction are set at 50mm centres and arranged in a double bank arrangement to improve rain defence efficiency. Strong duty construction allows for the fabrication of large panels with undamaged blades. Larger areas can be covered by combining many panel assemblies with narrow line visible mullions. The structure is comprised of three extruded aluminium blades. The frames must be riveted together appropriately. A galvanised steel rear bird mesh screen is standard equipment.



**FRESH AIR
LOUVERS**



**ACOUSTIC AIR
LOUVERS**



**WEATHER
RESISTANT LOUVERS**

DISC VALVES

Completely adjustable inner core that regulates pressure drop, air volume, and noise level for air supply or extraction. The supply air valve has a particularly designed diffuser inner cone, but the extract valve has a solid inner core. ideal for installation on ceilings and ducting.

Construction: made of sheet steel with a phosphate-reduced white powder coat finish.

Moc is available in metal and pvc.



DISC VALVES

Constant Air Flow Regulators

Features & Benefits

- Self adjusting on the pressure range 50 to 250 Pa
- Easy adjustment
- Use with a maximum temperature of 60°C
- The requested air flow is easily adjusted by a screwdriver

Constant Airflow regulators CAR

The Constant Air flow regulator is an element placed inside the duct in order to obtain a constant flow within a pressure range from 50 to 250 Pascals. It is used in air conditioning or ventilation systems either in extraction or blowing mode. The self adjusting Air flow regulator can be adjusted onsite according to the requested air flow. The marks on the sides of the opening indicate the settings.



CAR

About VALVES

Y-Type Strainers

Material : Gun Metal/Bronze (BS:1400 LG2)
Cast Iron(BS:1452 Gr. 220)

Pressure/Class : PN-10, PN-16

Size Range : ½" (15MM) to 4" (100MM)

End Details : Screwed Female ends to BS:21-Parallel



Y-TYPE
STRAINERS



Y-TYPE
STRAINERS



Y-TYPE
STRAINERS

Cast Iron Dual Plate Check Valves

Material : Flap type Double Disc, Spring loaded swing type check valve

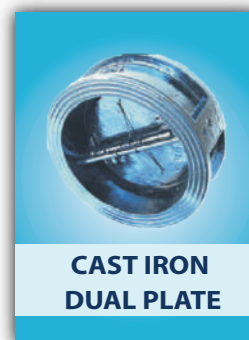
Pressure Rating : PN-25 (Hydraulic) up to Max. Temp 80°C

Body Seat Facing : Nitrile Moulded Liner

Disc Seat Facing : S. G. I. Integral Seating

Testing (HYD.) : Body-400 psig, Seat-360 psig

End Details : Suitable for Insertion between class-150, BS-10 Table D/E, BS-4504, PN-10/16 Flanges



CAST IRON
DUAL PLATE

Butterfly Valves

Material : Cast Iron (BS:1452 GR. 220)
SG Iron (ASTM A536-1980)
Cast Steel (ASTM A216 GR.WCB)

Product Standard : BS: 5155 IS 13095B

End Details : Water type with & without Lugs for Insertion between PN 10 / PN 16 / CL 150, BS: 10 Table D/E/F Flanges

Note : Special Liners & material of seat also available as per customer demands



BUTTERFLY

SG Iron Compact Wafer Type Check

Material : Single Flap Disc, Swing Type check valve
 Pressure/Class : PN-16 (Hydraulic)
 Body Seat Facing : Nitrile Moulded Liner
 Testing (HYD.) : Body-500 psig, Seat-250 psig
 End Details : Wafer Short ends with integrally moulded Rubber Gasket. Suitable for insertion Between Class-150, Bs-10 Table 'D' & 'E', BS-4504, PN-10/16 Flanges.



Gate Valves

Material : Rising & Non Rising Steam
 Product Standard : BS:5154, IS:778
 Material : Gun Metal/Bronze (BS:140LG2)
 Pressure/Class : PN-10, PN-16, PN-20, CL-1, CI-2
 Size Range : ¼" (8MM) to 6" (150MM)
 End Details : Screwed Female ends BS:21-Parallel/Taper NPT to an SI B1.20.1
 Flanged ends to BS:10 Tablet-D, F, H, IS:778



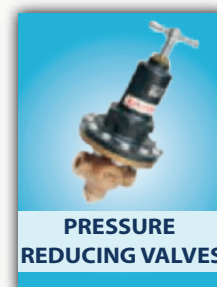
Balancing Valves

Material : Cast iron (BS:4504 PN16)
 Product Standard : Design standard BS:7350
 Pressure : PN16
 Size : 15 MM TO 200MM
 End Details : SFLANGED TO DIN 2533 RF, PN 16 FOR SIZE UP TO 150
 NOTE: HANDWHEEL OPERATED, PRECISE PROOF REGULATING, TEMPER PROOF SETTING, SOFT SEATING WITH EPDM FACING

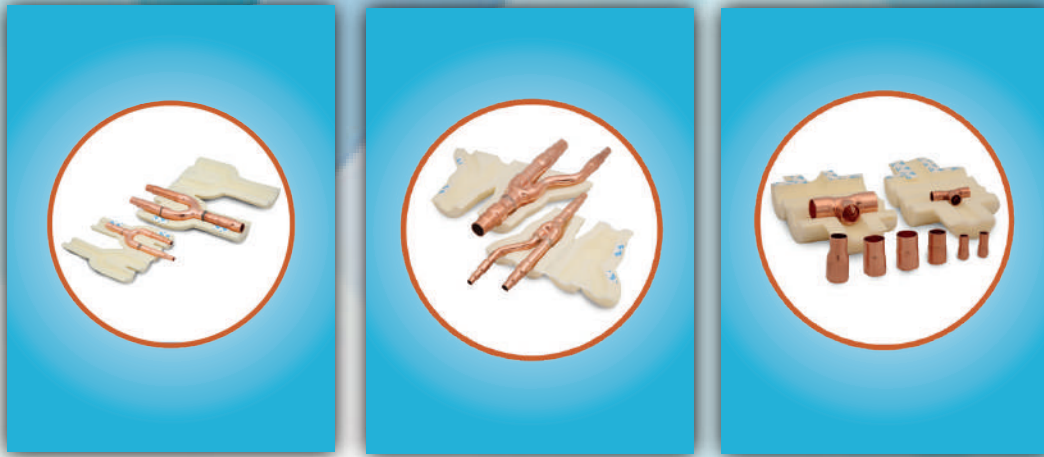


Pressure Reducing Valves

Material : Gun Metal/Bronze (BS:1400 LG2)
 Setting Range : 0,35 Bar to 6.0 Bar
 Size range : ½" (15MM) to 2" (50MM)
 End Details : Screwed Female ends BS:21-Parallel



About REFNETS



Since every HVAC brand adopts different design of REFNET. Thus, it is normal for a REFNET manufacturer to customized the design based on user's requirement. This can be simply done by providing us a technical or schematic drawing. Though there is no harm to even provide the actual samples to the manufacturer, to be prudent. At Fiable, we customize various design of Refnet joints following designs and specifications requested by customers and end users. Here are some of the pointers for Fiable REFNET:

- Copper Pipe for R410A with high density and pressure.
- Guaranteed durability and no leakage with special designed soldering material and aided welding inner space.
- Optimized shape dimension to ensure enhance fluency of refrigerant thereby increase overall cost performance.
- Fully customizable according to samples and drawings.
- Exceptional stringent quality control, each pipe has to pass 6.5MPa presure test before packing.
- Advanced workmanship and aesthetically produced surface treatment.



About SENSORS

Indoor/Outdoor Air Quality Sensor/Portable Sensor/ Smart Monitoring & Controlling System



Make: GasAlarm, Australia

For All Toxic, Flammable/Combustible Gas Sensor, Temp, %Rh, pressure, Dust with smart PLC-HMI or Processmonitoring system for BMS integration or Centralized control monitoring system and Standalone display control system.

Gases & Dust : Co, Co,, VOC, TVOC, SO,O,, NOX, PM205, PM10, air quality and other toxic & Flammable/Combustible gases.

Measuring Range : PPM (toxic gases), % LEL(Flammable/Combustible gases) u g/ (PM205, PM10, %RH, OC, mg/m3, % volume as per client specifications

Key Features :Sensor cell with hydrophobic filter, No orientation problem, NDIR ABC logic for CO2 sensor, Password protected, RS-485 Modbus, Ethernet, Relay output, Re- Transmission, Bluetooth wireless, Operating voltage 220/230VAC or 24 VDC, Fully pre-programmed and ready to install, continuous monitoring, Alarm reset, Cyclic Timer, Smart HMI, battery backup, tower or MLD-95A Alarm with siren.

Very Early Fire/ Smoke Alarm (VEFSA) Detector

Make: MSR Electronic, Germany

For Detection & Monitoring of earliest stage of Fire & Smoke (Products of Combustion Gases) With enhanced CO radical detection capability for detection of Non-visible smoke, shouldering fire, CO+ gas radicals.

Operating Principle : Detection of CO (Gas radicals are generated even before invisible smoke is produced).

Key Features : Very advanced fire / smoke detection system, unaffected by dust, vibration, temperature, humidity & other environmental factors.

Ideal For : Pharmaceuticals, Cement, Steel Plants, Coal Handling Plants, Coal Mines, Nuclear Power Plants, Automobiles & other industries.



Gas Sensors /Transmitters /Analyser /Dataloggers

Make: MSR Electronic, Germany

For All Toxic, Flammable/Explosive, Refrigerants, Oxygen, Gas Monitoring for Safe & Explosion-Proof Area Application (ATEX, IEC Ex, SIL 2) Certified.

Gases: CO, CO₂, NO, LPG, CNG, H₂, NO_x, O₂, Hydrocarbons, NH₃, HS, Cl₂, SO₂, HCN, HF, ethylene, VOC, Air Quality, and other Toxic & Flammable gases.

Measuring Range : ppm for toxic, %LEL for Combustibles, %Volume as per client specifications

Key Features : Long term stable, no poisoning, faster response, QUICK RECOVERY TO ZERO; Short-circuit/reverse polarity protected. Gel based Electrolyte (no Leak). Plug-in sensor and PCB for ease of service and replacements, MODULAR Design.

Enclosure Options :IP30/Weather-proof (IP65)/Duct Mount/Stainless Steel/Metal

Output Options : 0(4)-20mA/0(2)-10V/RS485/ModBus/BAC-net/LON

Options : Datalogging, Integrated Relays, Alarm LED's, LCD Display, Suitable for On-line continuous process monitoring/ sampling (Analyser Applications)





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KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY

Deemed to be University U/S 3 of UGC Act, 1956



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