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ARYAN ARVIN
Nasim Plastic Grilles



Introduction

ARYAN ARVIN Manufacturing and Industrial Company were founded in **1993** with the aim of manufacturing plastic parts and castings. The main aspect of company production was plastic parts using in building industry.

The company fabricated plastic grilles in 1996 and now with continuous efforts to improve quality of products; the third generation of plastic grilles with new specifications is presented.



NASIM Grilles Unique Specifications

Nowadays, polymers have great applications in daily life and industry, especially in building industry, because of their dominant qualities including easy shaping, suitable strength, corrosion resistance and light weight. Due to development of using plastic grilles all over the world, **ARYAN ARVIN** Manufacturing and Industrial Company are fabricating NASIM Grilles.

We have manufactured beautiful, efficient and resistant grilles with unique qualities relying on innovation, great design, accurate production and technical calculations with expert softwares. The third generations of our plastic grilles are produced according to the most recent global scales. In this new generation, the main frame profile is fabricated from industrial polymer, ABS, similar to internal grid.



Modular System

In modular system, merely the main frame that is installed in duct system is entirely fabricated. Then internal grids (modules) are fabricated separately in various sizes and installed easily on the main frame.

Specifications of NASIM Grilles due to our innovation are:

- *Internal grids can be disconnected from the main frame easily and reinstalled after cleaning and washing (easy cleaning).
- *Internal grids can be produced in many sizes with increasing grids (Various Sizes).
- *As each internal grid is adjusted separately, it could be adjusted as desired (Easy Adjustment).



Adjustment Switch

Rear blades with efficient design, adjust the blades easily.



Seal Sponge

If the wall around intake to be unsmooth, seal sponge will completely block the perforations and prevents from noise creation and dirty walls due to air flowing tiny holes.

It should be noted that seal sponge is installed on standard sizes.



Aerodynamic Blades

NASIM Grille has adjustment blades with aerodynamic design that brings more control over discharge air and reduces turbulence, resulting lower noise besides pretty appearance.



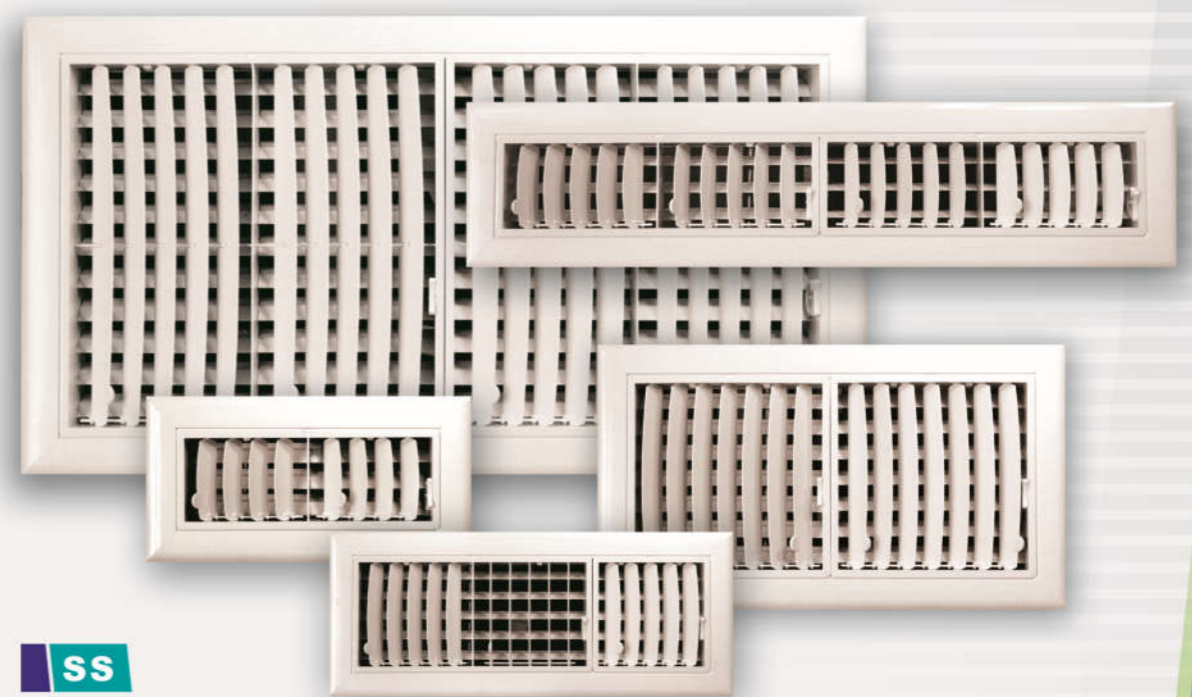
Easy Coloring

Due to ABS qualities, these grilles will almost be colored with every color easily.

Products

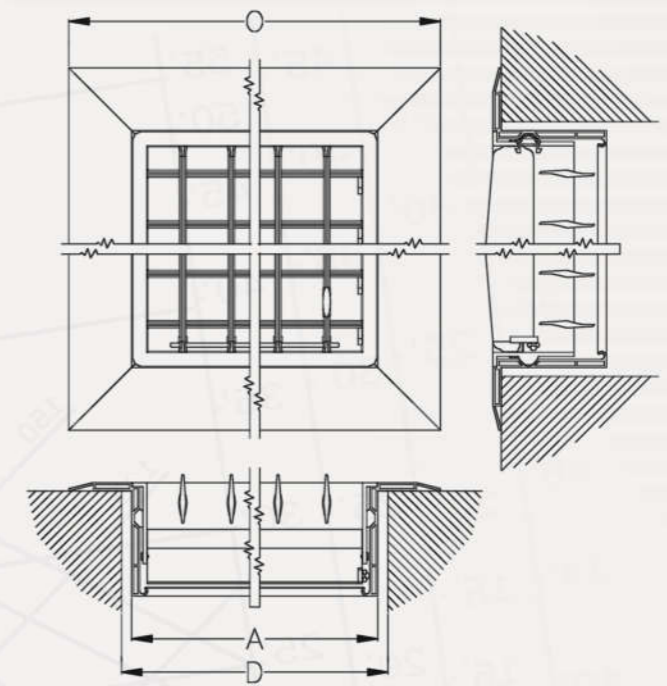


Discharge Grille



SS

- A = $D - 0.6cm \cdot n$
- O = $D + 6cm$
- A = Actual duct size
- D = Nominal duct size
- O = Outside duct size
- n = Number of internal Modules



Discharge grilles are fabricated in various sizes in 5cm intervals length and height. Minimum size of discharge grilles is 10cm height and 15cm length.

Discharge grilles sizes are related to size and number of internal grids (modules). These modules are produced in 20 sizes.

These grilles have 5cm depth and 3cm edge from each side.

These grilles are fabricated in multiples of 5cm intervals.

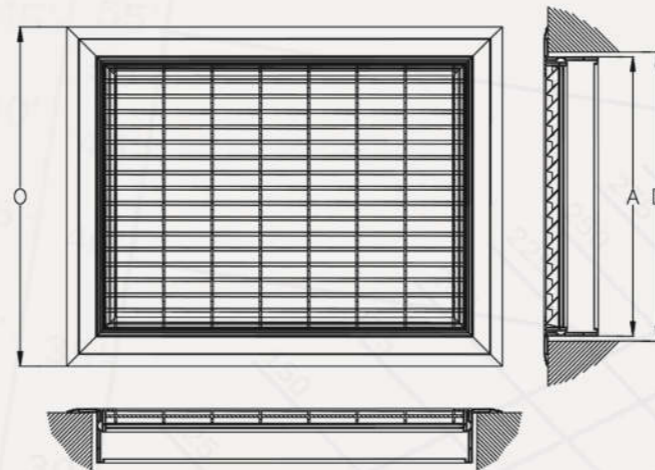
In addition to adjustment of multi-directions air flow, rear blades of the grille will overlap during closing blades and prevents from air transmission.

These grilles are fabricated from industrial ABS.

Ventilation Grille



RL



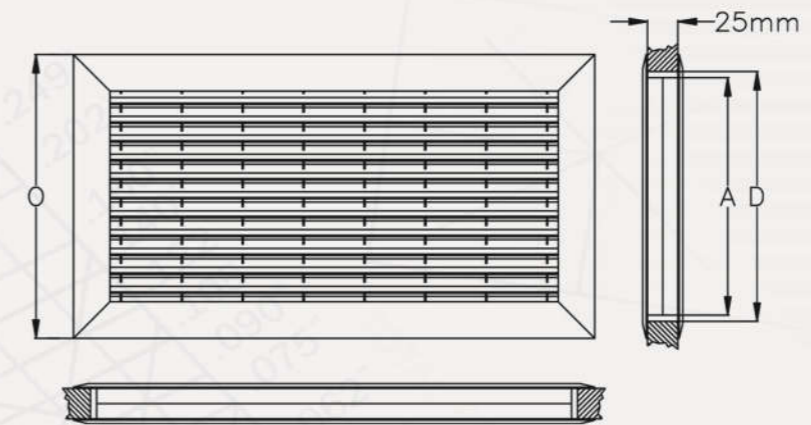
- A = D - 1cm
- O = D + 6cm
- A = Actual duct size
- D = Nominal duct size
- O = Outside duct size

Ventilation grilles are used for ventilation and discharge applications. Fixed blades in these grilles have 40 degree angle. The dimension of these grilles has no limitation and would be fabricated according to customer order. Ventilation grilles are only installed on duct opening, and internal grid is easily installed on main frame. Internal grid could be easily separated from main frame for cleaning and washing. The main frame of these grilles has 5cm depth and 3cm edge from each side. These grilles are fabricated from industrial ABS.

Door Grille



DG



- A = D - 1cm
- O = D + 4cm
- A = Actual duct size
- D = Nominal duct size
- O = Outside duct size

Door grilles have no size limitation and are fabricated in pairs. These grilles have suitable blade design that completely blocks front view. Minimum thickness of door should be 2.5cm. These grilles are fabricated from industrial ABS.

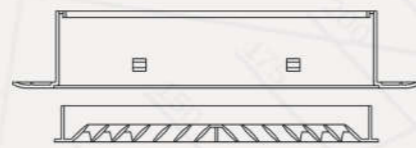
Four-Ways Ceiling Diffusers with Fixed Blades



SSF4



$A = D - 0.8\text{cm}$
$O = D + 6\text{cm}$
A = Actual duct size
D = Nominal duct size
O = Outside duct size



Four-Ways ceiling diffusers with fixed blades are produced with beautiful appearance, light weight, suitable airflow, easy installation and easy cleaning. In these types of diffusers, merely the main frame is connected to duct system or ceiling via bolt and grilles or grids are easily installed or disconnected without any special tool.

These diffusers have fixed blades with 45 degree angle. Dimension of these diffusers are between 20cm*20cm to 60cm*60cm.

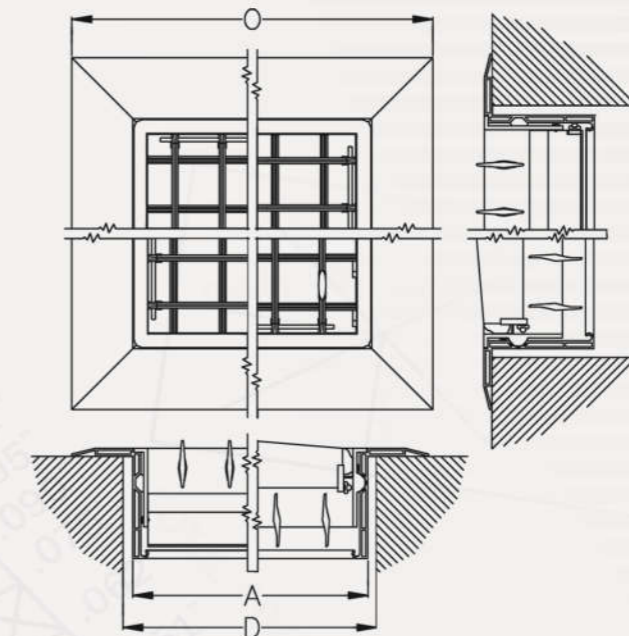
A special size of 59.5cm*59.5cm is also designed (according to standard tiles) for using on 60cm*60cm ceiling tiles. These grilles are fabricated from industrial ABS.

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Four-Ways Adjustable Ceiling Diffusers



SS4



$A = D - 0.8\text{cm}$
$O = D + 6\text{cm}$
A = Actual duct size
D = Nominal duct size
O = Outside duct size

Adjustable ceiling diffusers are produced with beautiful appearance, light weight, suitable airflow, easy installation and easy cleaning features. In these types of diffusers, merely the main frame is connected to duct system or ceiling via bolt and grilles or grids are easily installed or disconnected without any special tool.

These diffusers are fabricated with modular system, air flow adjustment in four direction and capability of closing any module if necessary.

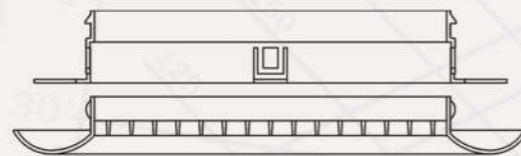
Dimensions of these diffusers are between 30cm*30cm to 60cm*60cm. These grilles are fabricated from industrial ABS.

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Return Round Grilles



RE



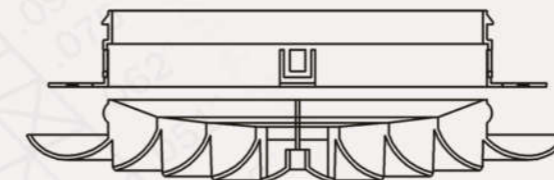
ARYAN ARVIN plastic round grilles have beautiful appearance, light weight, suitable airflow, easy installation and easy cleaning capabilities. These grilles have an adaptor that is connected to duct or ceiling and grilles are easily installed or disconnected from this adaptor. These grilles are produced in 10cm, 15cm, 20cm, 25cm and 30cm diameters. These grilles are fabricated from industrial ABS.

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Discharge Round Grilles



RS



ARYAN ARVIN plastic round grilles have beautiful appearance, light weight, suitable airflow, easy installation and easy cleaning capabilities. These grilles have an adaptor that is connected to duct or ceiling and grilles are easily installed or disconnected from this adaptor. These grilles are produced in 10cm, 15cm, 20cm, 25cm and 30cm diameters. These grilles are fabricated from industrial ABS.

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FanCoil Access Doors



FC



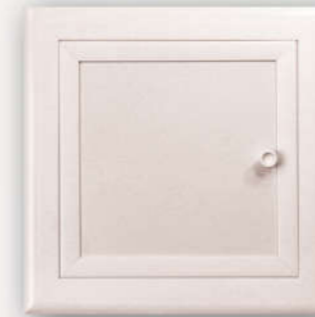
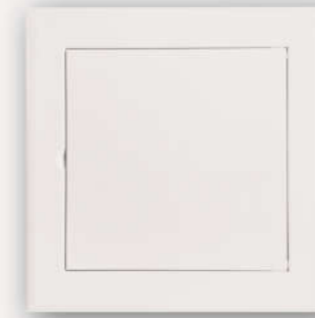
These types of access doors have beautiful appearance, easy closing and light weight that provide access and inspection of fancoil units. Fancoil access doors have no size limitation and can be built according to customer order. Fancoil access doors are produced in hinged type and gravity type.

Large access doors of hinged type are built with double door.

Gravity type access doors have the capability of production in large sizes and unconventional shapes.

Inlet section of these access doors can be built in linear type or gridded. These grilles are fabricated from industrial ABS.

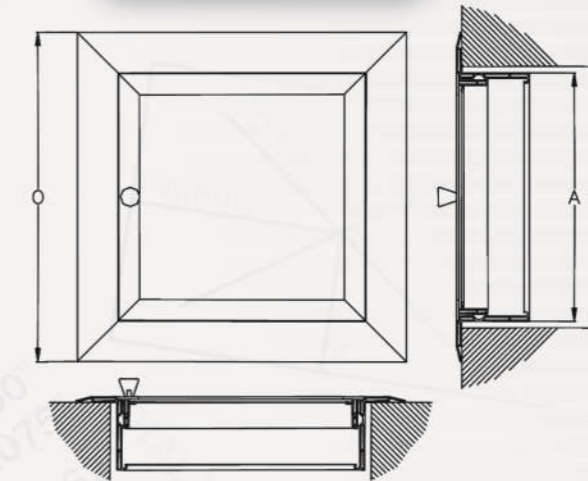
Access Doors



ADH

AD

- A = D - 1cm
- O = D + 6cm
- A = Actual duct size
- D = Nominal duct size
- O = Outside duct size



Access doors have beautiful appearance and resistant body, with no size limitation and can be used for covering water faucets, gas valves, electrical switches and fuses.

These access doors have no hinges and their main frame is installed on duct opening. Then access door is easily installed on frame.

After installation, door is easily disconnected from main frame and can be reinstalled after cleaning or project completion.

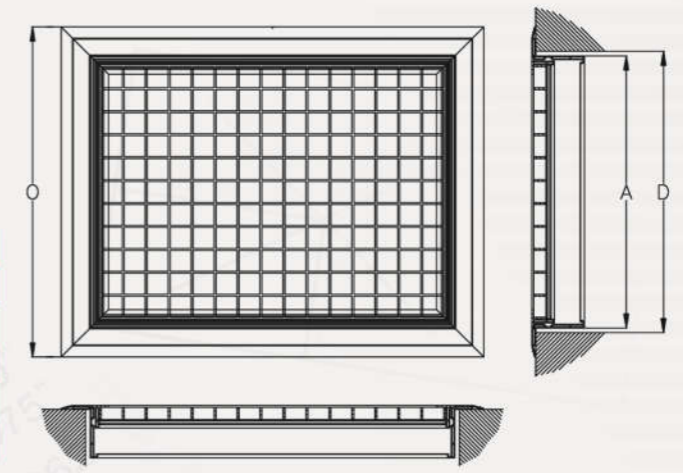
Main frame of these access doors has 5cm depth and 3cm edge on each side. These grilles are fabricated from industrial ABS.

Return Grilles



RH

- A = D - 1cm
- O = D + 6cm
- A = Actual duct size
- D = Nominal duct size
- O = Outside duct size



NASIM return grilles have the capability of filter installation. In these types of grilles, merely the main frame is installed on duct opening and internal return grid is easily installed on main frame. Internal grid can be easily disconnected from main frame for filter change and cleaning, even after installation and reinstalled again on the frame. Internal grids of these grilles are fabricated with 1in and 0.5in blocks. Dimension of these grilles have no limitation and can be produced according to customer order. Main frame of these grilles has 5cm depth and 3cm edge from each side. The filter can be installed easily without any special tools. These grilles are fabricated from industrial ABS.

- Beautiful Appearance
- Resistant Body
- Suitable Airflow