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***BETEC CAD.***

## Access Doors



**AD-GB-11A**

Selected Products of the company have been Classified / Listed / Tested by various international testing authorities.



Globally Recognized. Industry Respected.

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## Access Doors

**BETEC CAD.** manufactures Access Doors that are designed for use in central air conditioning ductwork systems to provide access for maintenance or to access fire dampers, heaters, filters or other equipment within the duct work.

The strong and robust construction of the access door guarantees low leakage of air even with high duct pressures and double walled door panel with mineral wool insulation will act as better resistance for transfer of heat.



Standard Types and Models					
Item	Series	Door Thickness	Door Type	Application	Construction
AD	B - 10	*25 mm	A* / AH	Plain Duct	G* S
		40 mm	A* / AH	Plain Duct	
		50 mm	A* / AH	Plain Duct	
	B - 20	*25 mm	A* / AH	Plain Duct	G* S
		40 mm	A* / AH	Plain Duct	
		50 mm	A* / AH	Plain Duct	
	B - 30	*25 mm	A* / AH	Curved Duct	G* S
		40 mm	A* / AH	Curved Duct	
		50 mm	A* / AH	Curved Duct	

**A** - Removable door; **AH** - Hinged Door

### Material Details

- All types and models of Access Doors are available in Galvanized Steel & Stainless Steel according to the design and application.

### Sheet Metal Galvanized Steel (GI)

Zinc coating Z-22 to Z-27 as per **ASTM-A653** Standards.

### Sheet Metal Stainless Steel (SS)

Stainless steel **304 / 316L**.

### Applications:

**GI Construction** :For **HVAC** Commercial, Residential etc.

**SS Construction**:For Offshore, Oil & Gas etc.

The respective alphabet indicate the type of material.

**G** - Galvanized steel (**GI**)

**S** - Stainless steel (**SS**)

Alphabet indicate the type of door

**A** - Square or Rectangular (Removable door)

**AH** - Hinged Door

**BETEC CAD.** Access Doors are internally lined, sealed, gasketed and manufactured as per international standards and confirmed to **NFPA 90 A** and **UL 181** standards for erosion.

### Note:

\* Indicates **BETEC CAD's** Standard Construction.

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## Access Door - AD

### Plain Duct Application

Model: AD-GB-11A/H; AD-GB-12A/H; AD-GB-13A/H

Door Thickness : 1-25\*mm; 2-40mm; 3-50mm

A - Removable; AH - Hinged

Construction: Galvanized Steel (GI) /

Stainless Steel (SS)

### Standard Construction

#### Frame

0.9 mm thick galvanised steel.

#### Door

Double skin 0.9 mm thick galvanized steel internally insulated. Door thickness 25 mm.

#### Insulation

48 kg/m<sup>3</sup> density rockwool.

#### Lock

Die cast Zinc plated steel Cam lock.

#### Gasket

3 mm thick Neoprene Gasket.

#### Handle

Galvanized steel handle.

#### Flange

Type 1 : Plain edge type flange.

### Optional Construction

#### Door

Double skin 0.9 mm thick galvanized steel internally insulated, door thickness 40 / 50 mm.

#### Hinges

One side Continuous hinges.

#### Flange

Type 2 : Knock-over edge type flange.

#### Glass window

Square transparent glass window.

#### Security chain

Galvanized steel chain.

#### Frame and Door Material

Stainless steel (304/316L)

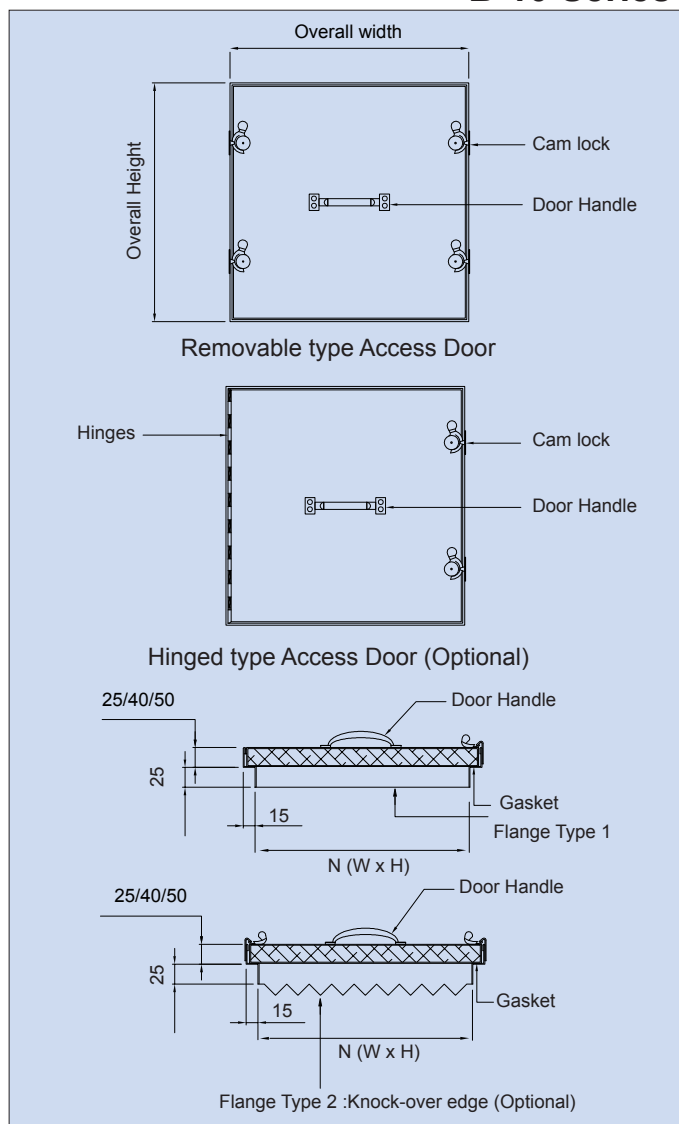
B-10 Series Model Details				
Material Construction				
Model	Frame		Door	
	Matrial	Thick	Material	Thick
AD-GB-11/12/13-A / AH	GI	0.9mm	GI	0.9mm
AD-SB-11/12/13-A / AH	SS	0.9mm	SS	0.9mm

#### Note :

Please contact **BETEC CAD.** for customized design & specifications.

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## B-10 Series



#### Note:

N = Neck size (W x H)

Overall Width = Neck width + 30 mm

Overall Height = Neck Height + 30 mm

Any Combination of W x H										
Width in (mm)	100	150	200	250	300	350	400	450	500	600
Height in (mm)	100	150	200	250	300	350	400	450	500	600

### Application

- Suitable for installation on plain surface air ducts and can be installed easily on site works.
- The insulated double wall construction will act as a barrier for leakage of air as well as for transfer of heat.
- Suitable for insulated or uninsulated ducts.

## Access Door - AD

### Plain Duct Application

Model: AD-GB-21A/H; AD-GB-22A/H; AD-GB-23A/H

Door Thickness : 1-25\*mm; 2-40mm; 3-50mm

A - Removable; AH - Hinged

Construction: Galvanized Steel (GI)

### Standard Construction

#### Frame

0.9 mm thick galvanised steel.

#### Door

Double skin 0.9 mm thick galvanized steel internally insulated. Door thickness 25 mm.

#### Insulation

48 kg/m<sup>3</sup> density rockwool.

#### Lock

Die cast Zinc plated steel Toggle lock.

#### Gasket

3 mm thick Neoprene Gasket.

#### Handle

Galvanized steel handle.

#### Flange

Type 1 : Plain edge type flange.

### Optional Construction

#### Door

Double skin 0.9 mm thick galvanized steel internally insulated, door thickness 40 / 50 mm.

#### Hinges

One side Continuous hinges.

#### Flange

Type 2 : Knock-over edge type flange.

#### Glass window

Square transparent glass window.

#### Security chain

Galvanized steel chain.

#### Frame and Door Material

Stainless steel (304/316L)

B-20 Series Model Details				
Material Construction				
Model	Frame		Door	
	Matial	Thick	Material	Thick
AD-GB-21/22/23-A / AH	GI	0.9mm	GI	0.9mm
AD-SB-21/22/23-A / AH	SS	0.9mm	SS	0.9mm

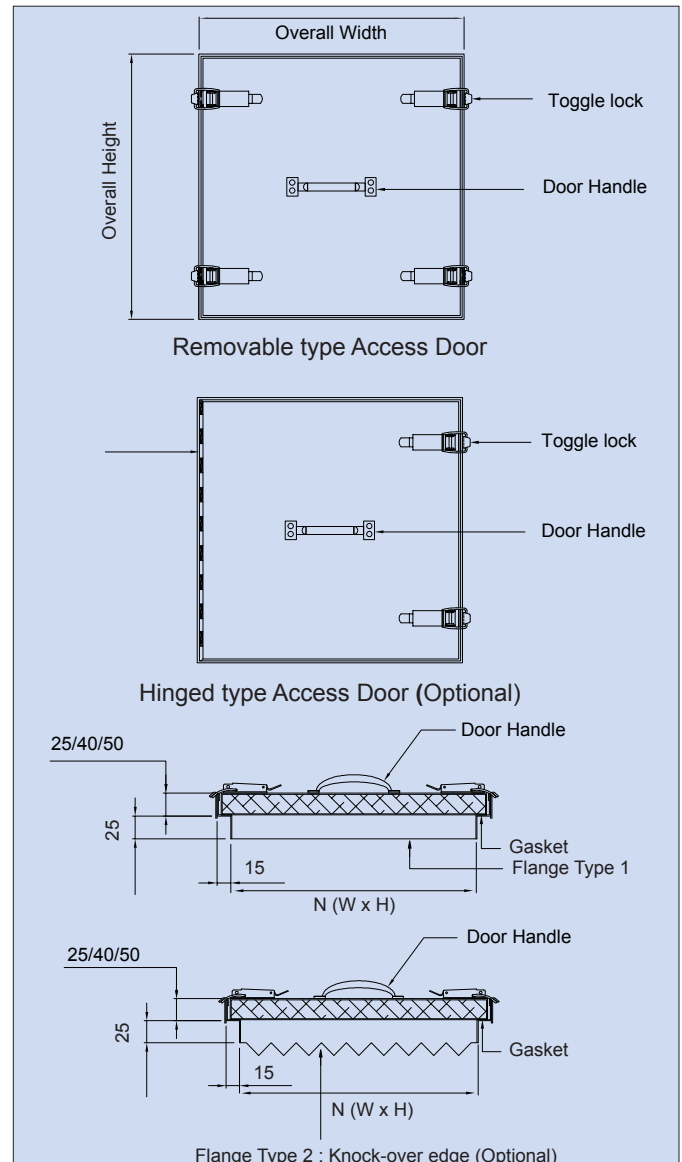
#### Note :

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## B-20 Series



#### Note:

N = Neck size ( W x H )

Overall Width = Neck width + 30 mm

Overall Height = Neck Height + 30 mm

Any Combination of W x H									
Width in (mm)	100	150	200	250	300	350	400	450	500
Height in (mm)	100	150	200	250	300	350	400	450	500

### Application

- Suitable for installation on plain surface air ducts and can be installed easily on site works.
- The insulated double wall construction will act as a barrier for leakage of air as well as for transfer of heat.
- Suitable for insulated or uninsulated ducts.

## Access Door - AD

Curved Duct Application

Model: AD-GB-31A/H; AD-GB-32A/H; AD-GB-33A/H

Door Thickness : 1-25\*mm; 2-40mm; 3-50mm

A - Removable; AH - Hinged

Construction: Galvanized Steel (GI)

### Standard Construction

#### Frame

0.9 mm thick galvanised steel.

#### Door

Double skin 0.9 mm thick galvanized steel internally insulated. Door thickness 25 mm.

#### Insulation

48 kg/m<sup>3</sup> density rockwool.

#### Lock

Die cast Zinc plated steel Cam lock.

#### Gasket

3 mm thick Neoprene Gasket.

#### Handle

Galvanized steel handle.

#### Flange

Curved plain edge type flange.

### Optional Construction

#### Door

Double skin 0.9 mm thick galvanized steel internally insulated. Door thickness 40 / 50 mm.

#### Hinges

One side Continuous hinges.

#### Glass window

Square transparent glass window.

#### Security chain

Galvanized steel chain.

#### Frame and Door Material

Stainless steel (304/316L)

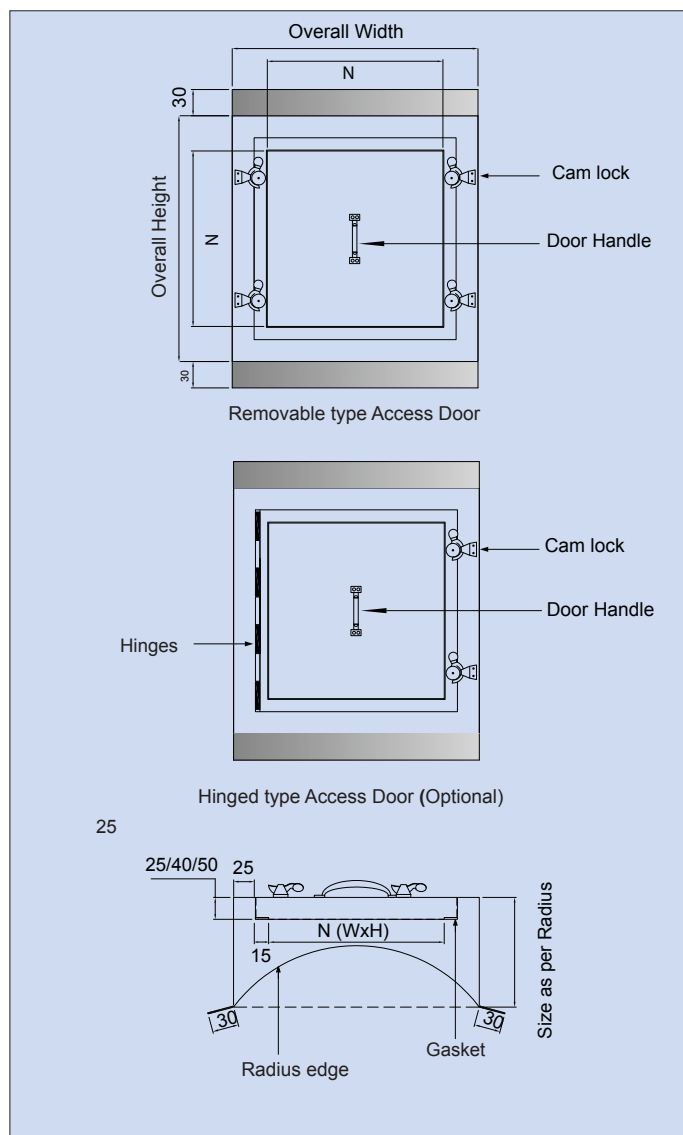
B-30 Series Model Details				
Material Construction				
Model	Frame		Door	
	Matrial	Thick	Material	Thick
AD-GB-31/32/33-A / AH	GI	0.9mm	GI	0.9mm
AD-SB-31/32/33-A / AH	SS	0.9mm	SS	0.9mm

#### Note :

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## B-30 Series



#### Note:

N = Neck size (W x H)

W = Neck width + 80 mm = Overall size

H = Neck Height + 80 mm = Overall Size

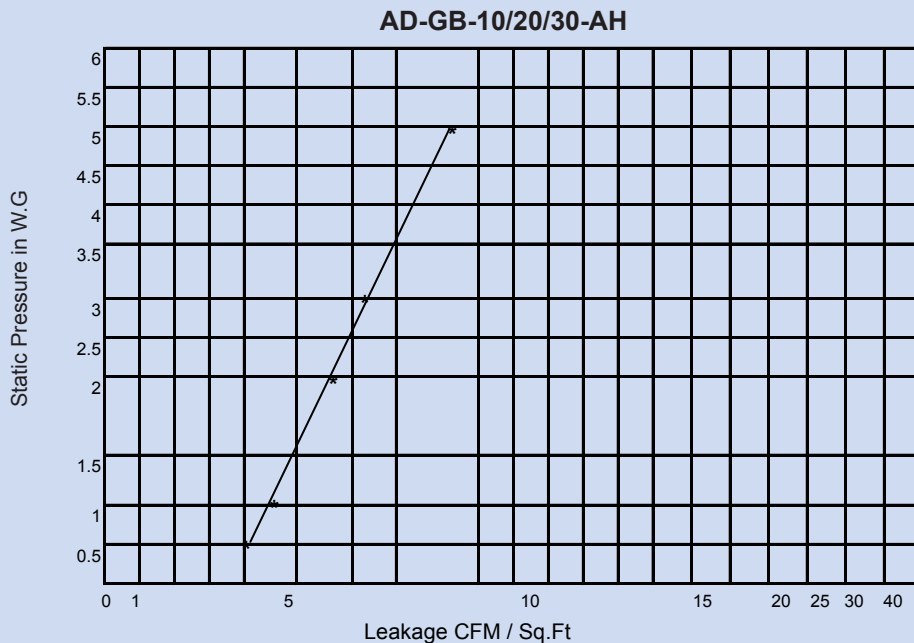
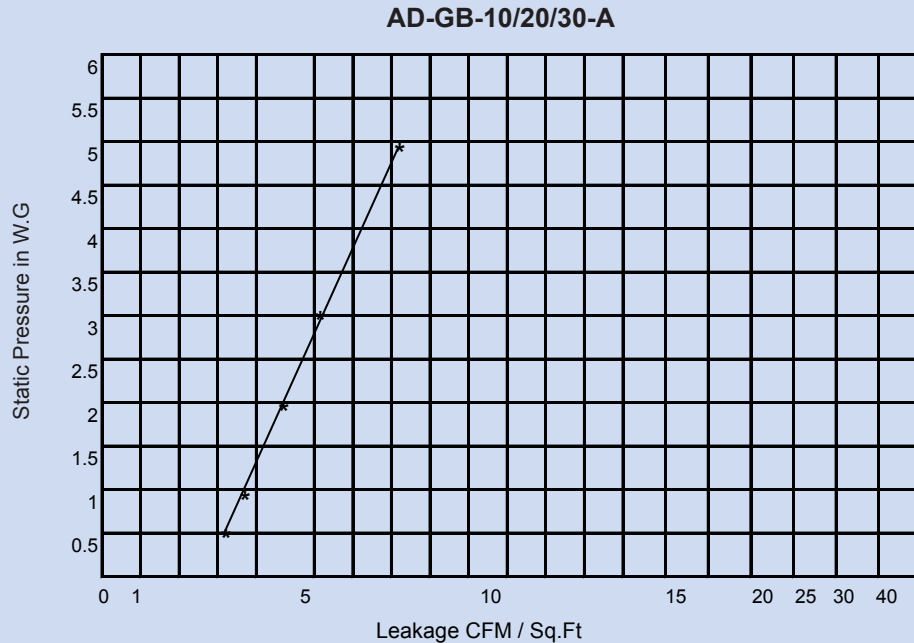
Any Combination of W x H									
Width in (mm)	100	150	200	250	300	350	400	450	500
Height in (mm)	100	150	200	250	300	350	400	450	500

### Application

- Suitable for installation on curved surface air ducts and can be installed easily on site works.
- The insulated double wall construction will act as a barrier for leakage of air as well as for transfer of heat.
- Suitable for insulated or uninsulated ducts.

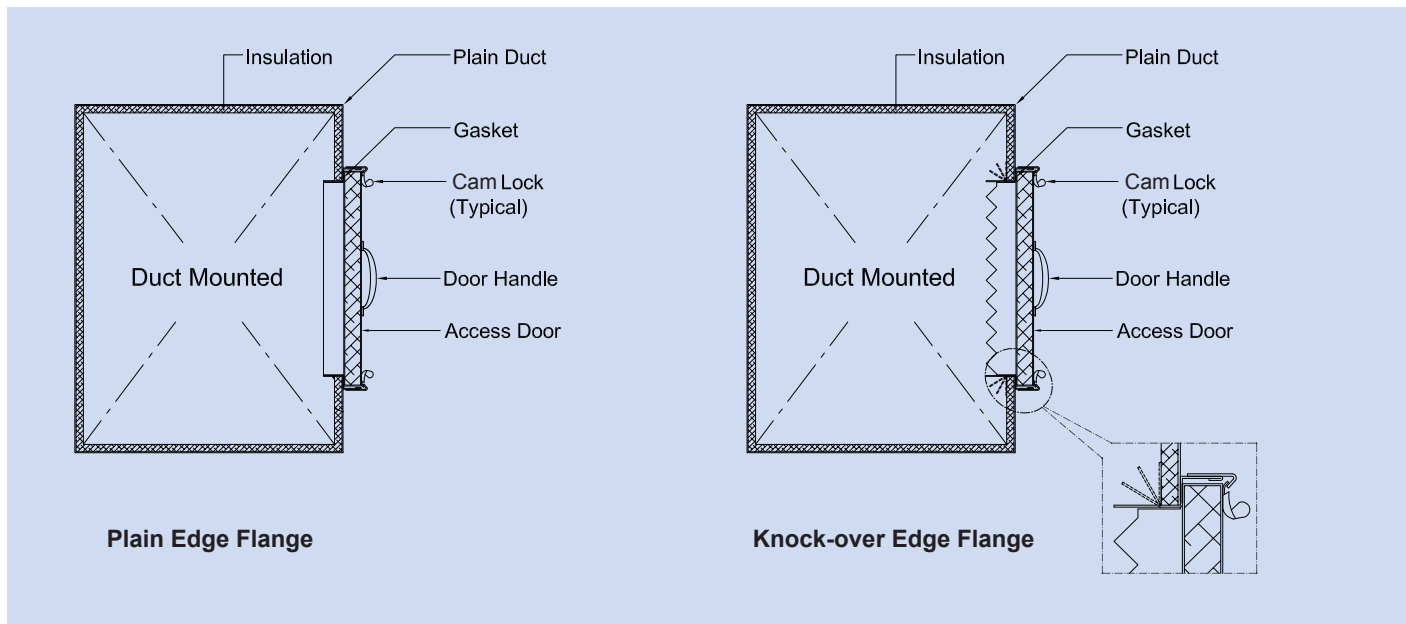
**Engineering And Performance Data**
**B-10/20/30 Series**

**BETEC CAD.** Access Doors were tested by an independent third party testing lab with practical tests on site, for leakage CLASS - C of DW 142. Size - 300x300mm

**Leakage Vs Static Pressure Graph.**


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**Access Door**
**B-10/20/30 Series**
**Installation Details**

**Ordering Data**

Access Door							
↑	G	Galvanized Steel					
	S	Stainless Steel					
	↑	G	Galvanized Steel				
		S	Stainless Steel				
	↑	↑	B	BETEC CAD.			
			10	Series			
			20	Series			
			30	Series			
		↑	↑	1	25 mm		
				2	40 mm		
				3	50 mm		
	↑	↑	↑	↑	A	Removable Type	
					AH	Hinged Type	
AD	X	X	B	X		X	AD-GB-11A
	Frame Material	Door Material		Series	Door Thickness Series	Door Type	

**Note :**

1) For door thickness, add Series to Door Thickness Series.

For example: AD-GB-(10+1=11) A => AD-GB-11A.

2) If frame and door material is same, use single alphabet.

Example : AB-GB-11A where G = Galvanized frame and door.

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## Access Doors

### Special Notes:

[illegible]

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## Access Doors

### Special Notes:

[illegible]

[illegible]

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"Due to continuous progress and product improvement, **BETEC CAD.** reserves the right to make changes without notice"

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