

AIRFOIL

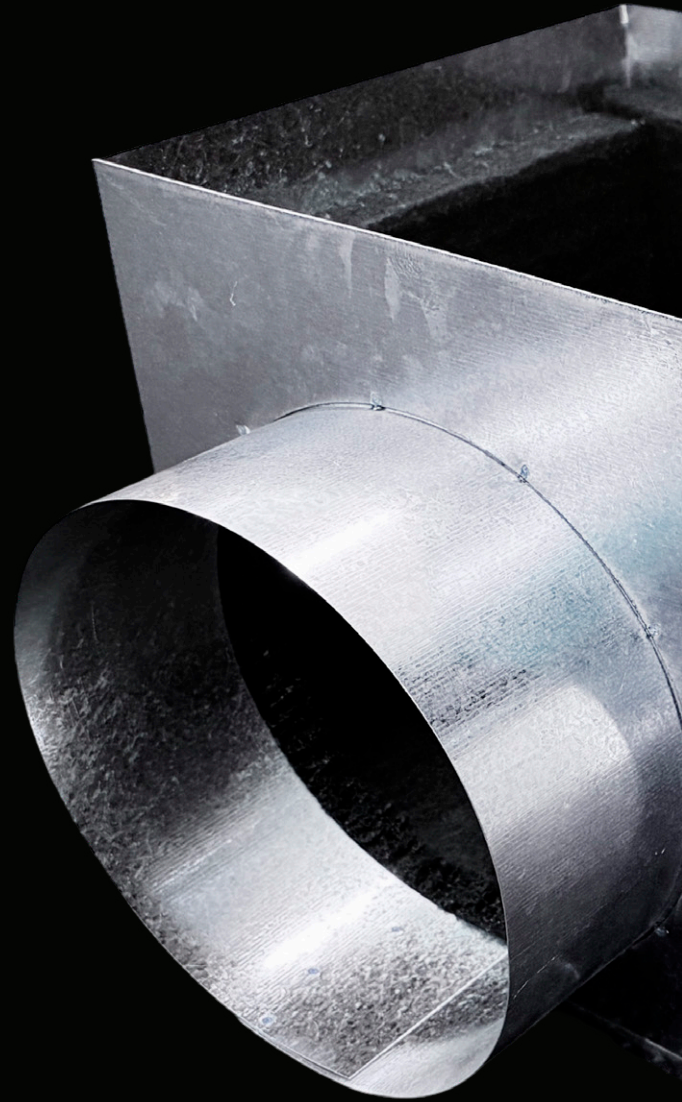


GRILLES
DUCT
FITTINGS

making it happen sooner...

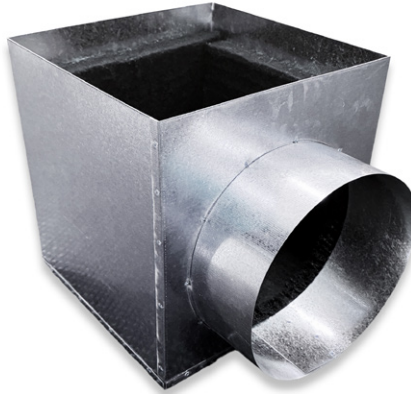


Quality
Endorsed
Company
ISO 9001
 SAI GLOBAL



**SUPPLY AIR INSULATED
CUSHION BOX**

ICB



SUPPLY AIR INSULATED CUSHION BOX ICB

PRODUCT DESCRIPTION AND APPLICATION

Airfoil's Australian Made Cushion Box (ICB) is ingeniously designed to cushion the flow of air through the diffuser in supply air applications, ensuring optimal performance. Crafted to the highest standards, these boxes are meticulously manufactured from Australian 0.55mm galvanised sheet metal, guaranteeing durability and reliability.

Available in a range of options, the Cushion Box can be tailored to suit specific needs. Whether opting for an uninsulated (Plain) version or selecting from a variety of standard insulation types such as 5mm or 10mm Rubber, 13mm or 25mm Polyester, or 13mm or 25mm Black-faced Fibreglass and 25mm Perforated Black-faced Fibreglass, Airfoil provides flexibility to meet diverse requirements.

Additionally, custom insulation options are available upon request to cater to unique specifications. For added versatility, the Airfoil Cushion Box can be customised upon request with a "stepped" (S-ICB) design, concealing the insulation. Furthermore, the box is available with various spigot placements including Side, Opposite, and Adjacent, catering to different duct configuration layouts with ease.

Designed to seamlessly integrate with Airfoil's range of grilles, including the Louvre Face Diffusers (LFD), Bevelled Diffusers (BD), and Swirl Diffusers (CDS), this quality Cushion Box ensures compatibility and efficiency. Suitable for both commercial and domestic settings, where thermal and acoustic requirements are paramount, it stands as a testament to Airfoil's commitment to excellence in Sheet Metal solutions.

SUPPLY AIR INSULATED CUSHION BOX ICB

PRODUCT SPECIFICATIONS AND INFORMATION

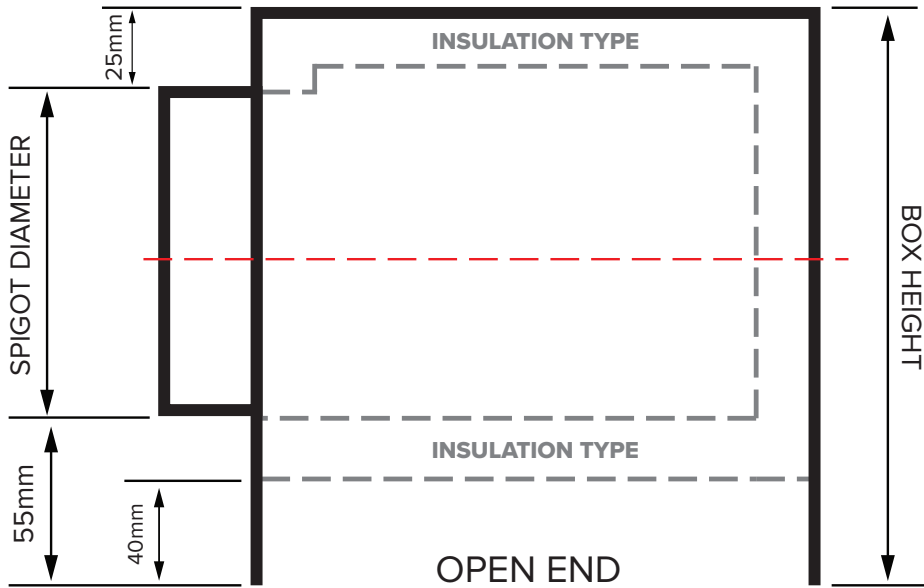
- **Product ordering code – ICB**
- Australian Made and Designed
- Manufactured from 0.55mm Australian galvanised steel
- Custom box heights manufactured to suit grille requirements
- Mounted behind grille
- Acoustic qualities
- Thermal qualities
- Available in Plain, Rubber (5mm/10mm), Polyester (13mm/25mm), Black-faced Fibreglass (13mm/25mm) or Perforated Black-faced Fibreglass (25mm)
- Variety of spigot placements available (Side, Opposite & Adjacent)
- Spigot sizes available are 100mm, 150mm, 200mm, 250mm, 300mm, 350mm, 400mm, 450mm, 500mm, 550mm and 600mm diameters
- Customised oval spigots available to suit varying box height restrictions
- **Please note for Stepped Boxes (S-ICB):** All overall height dimensions = duct diameter of ICB + **100mm** and all overall sizes are + **50mm**
- Used for supply air diffusion for heating and cooling
- Airfoil information available



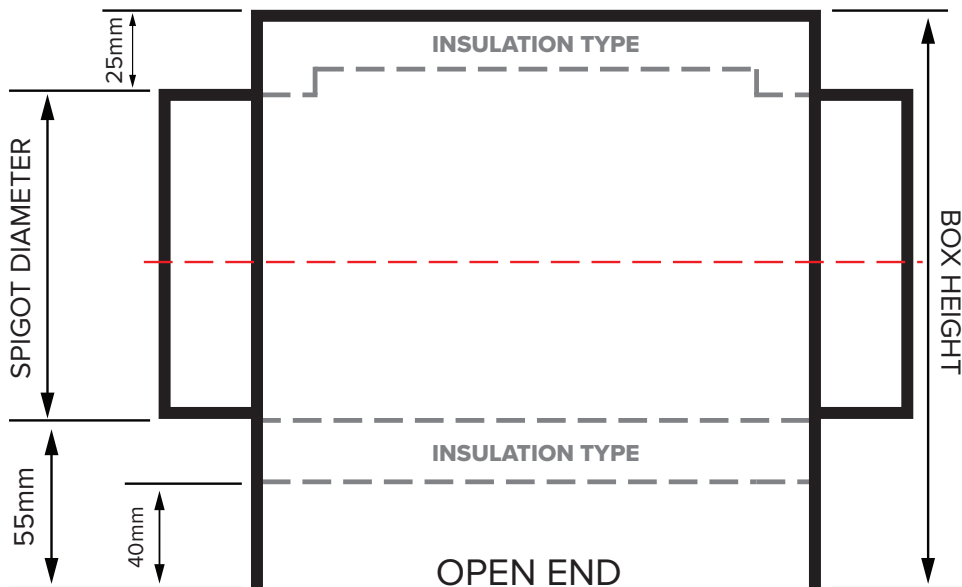
SUPPLY AIR INSULATED CUSHION BOX ICB

CROSS SECTIONAL DIAGRAM

SIDE ENTRY CUSHION BOX



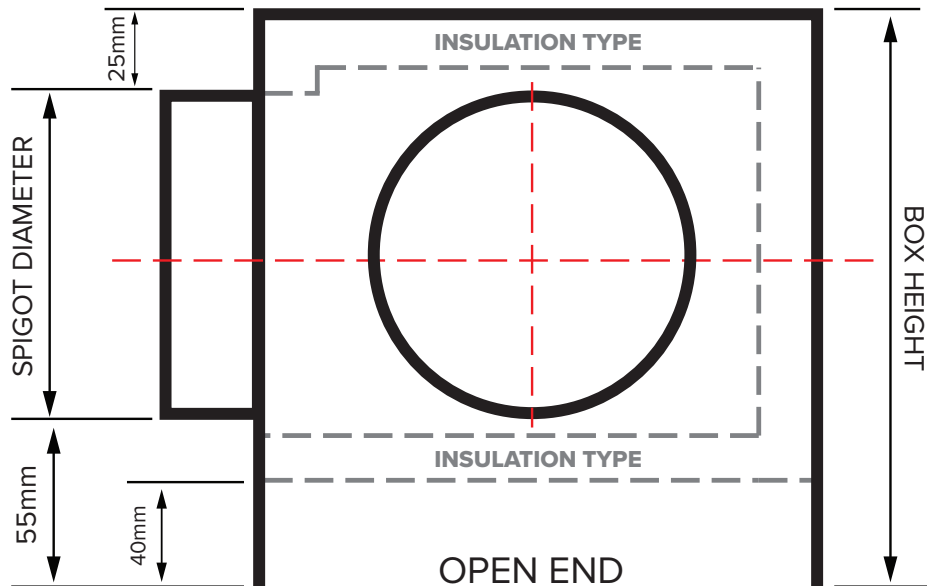
OPPOSITE SIDE ENTRY CUSHION BOX



SUPPLY AIR INSULATED CUSHION BOX ICB

CROSS SECTIONAL DIAGRAM

ADJACENT SIDE ENTRY CUSHION BOX



DISCLAIMER:

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SUPPLY AIR INSULATED CUSHION BOX ICB

PRODUCT ORDERING CODES

PRODUCT CODE	BOX OPENING (mm)	BOX HEIGHT (mm)	SPIGOT SIZE (mm)	PLAIN	5mm/10mm RUBBER INSULATION	13mm/25mm POLYESTER INSULATION	13mm/25mm FIBERGLASS INSULATION	25mm PERFORATED INSULATION
ICB150-150	155 x 155	230	150 Dia	✓	✓	✓	✓	✓
ICB200-150	205 x 205	230	150 Dia	✓	✓	✓	✓	✓
ICB200-200	205 x 205	280	200 Dia	✓	✓	✓	✓	✓
ICB225-150	230 x 230	230	150 Dia	✓	✓	✓	✓	✓
ICB225-200	230 x 230	280	200 Dia	✓	✓	✓	✓	✓
ICB250-150	255 x 255	230	150 Dia	✓	✓	✓	✓	✓
ICB250-200	255 x 255	280	200 Dia	✓	✓	✓	✓	✓
ICB250-250	255 x 255	330	250 Dia	✓	✓	✓	✓	✓
ICB300-150	305 x 305	230	150 Dia	✓	✓	✓	✓	✓
ICB300-200	305 x 305	280	200 Dia	✓	✓	✓	✓	✓
ICB300-250	305 x 305	330	250 Dia	✓	✓	✓	✓	✓
ICB300-300	305 x 305	380	300 Dia	✓	✓	✓	✓	✓
ICB350-150	355 x 355	230	150 Dia	✓	✓	✓	✓	✓
ICB350-200	355 x 355	280	200 Dia	✓	✓	✓	✓	✓
ICB350-250	355 x 355	330	250 Dia	✓	✓	✓	✓	✓
ICB350-300	355 x 355	380	300 Dia	✓	✓	✓	✓	✓
ICB350-350	355 x 355	430	350 Dia	✓	✓	✓	✓	✓
ICB375-150	380 x 380	230	150 Dia	✓	✓	✓	✓	✓
ICB375-200	380 x 380	280	200 Dia	✓	✓	✓	✓	✓
ICB375-250	380 x 380	330	250 Dia	✓	✓	✓	✓	✓
ICB375-300	380 x 380	380	300 Dia	✓	✓	✓	✓	✓
ICB375-350	380 x 380	430	350 Dia	✓	✓	✓	✓	✓

Please note for manufactured Stepped Boxes (S-ICB)*:

All overall height dimensions = Duct diameter of ICB + 100mm

All overall sizes are + 50mm

SUPPLY AIR INSULATED CUSHION BOX ICB

PERFORMANCE DATA

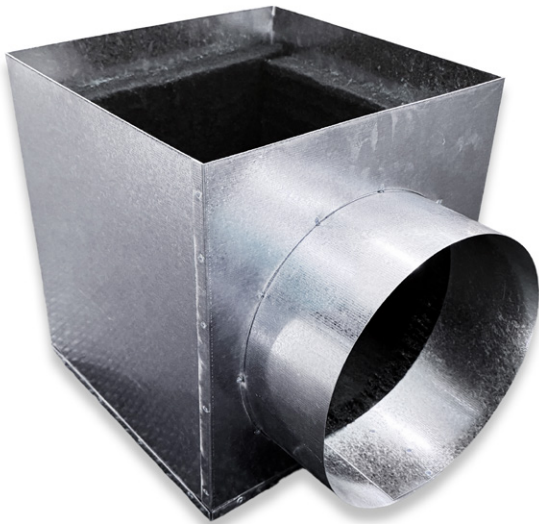
PRODUCT CODE	BOX OPENING (mm)	BOX HEIGHT (mm)	SPIGOT SIZE (mm)	PLAIN	5mm/10mm RUBBER INSULATION	13mm/25mm POLYESTER INSULATION	13mm/25mm FIBERGLASS INSULATION	25mm PERFORATED INSULATION
ICB400-150	405 x 405	230	150 Dia	✓	✓	✓	✓	✓
ICB400-200	405 x 405	280	200 Dia	✓	✓	✓	✓	✓
ICB400-250	405 x 405	330	250 Dia	✓	✓	✓	✓	✓
ICB400-300	405 x 405	380	300 Dia	✓	✓	✓	✓	✓
ICB400-350	405 x 405	430	350 Dia	✓	✓	✓	✓	✓
ICB400-400	405 x 405	480	400 Dia	✓	✓	✓	✓	✓
ICB450-150	455 x 455	230	150 Dia	✓	✓	✓	✓	✓
ICB450-200	455 x 455	280	200 Dia	✓	✓	✓	✓	✓
ICB450-250	455 x 455	330	250 Dia	✓	✓	✓	✓	✓
ICB450-300	455 x 455	380	300 Dia	✓	✓	✓	✓	✓
ICB450-350	455 x 455	430	350 Dia	✓	✓	✓	✓	✓
ICB450-400	455 x 455	480	400 Dia	✓	✓	✓	✓	✓
ICB450-450	455 x 455	530	450 Dia	✓	✓	✓	✓	✓
ICB550-150	555 x 555	230	150 Dia	✓	✓	✓	✓	✓
ICB550-200	555 x 555	280	200 Dia	✓	✓	✓	✓	✓
ICB550-250	555 x 555	330	250 Dia	✓	✓	✓	✓	✓
ICB550-300	555 x 555	380	300 Dia	✓	✓	✓	✓	✓
ICB550-350	555 x 555	430	350 Dia	✓	✓	✓	✓	✓
ICB550-400	555 x 555	480	400 Dia	✓	✓	✓	✓	✓
ICB550-450	555 x 555	530	450 Dia	✓	✓	✓	✓	✓
ICB550-500	555 x 555	580	500 Dia	✓	✓	✓	✓	✓

Please note for manufactured Stepped Boxes (S-ICB)*:

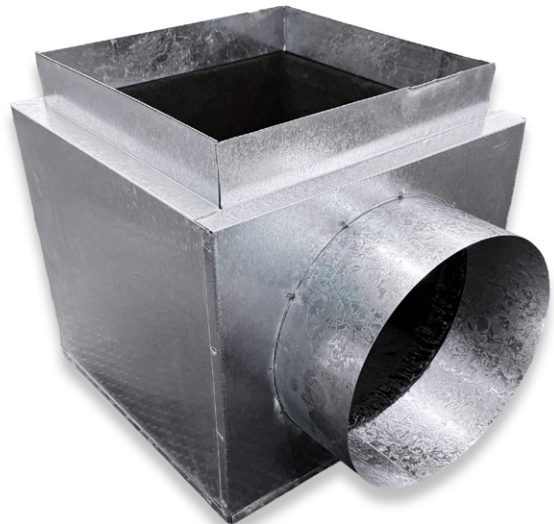
All overall height dimensions = Duct diameter of ICB + 100mm

All overall sizes are + 50mm

SUPPLY AIR INSULATED CUSHION BOX ICB



INSULATED CUSHION BOX (ICB)



STEPPED CUSHION BOX (S-ICB)



STEPPED SIDE ENTRY CUSHION BOX
WITH FLEXIBLE DUCT