



Kilargo

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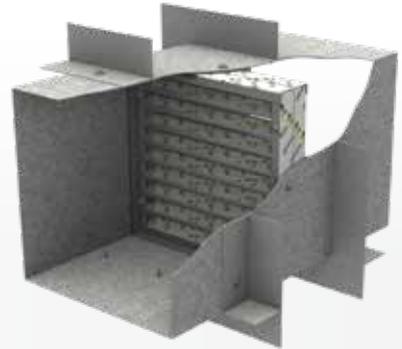
Intumescent Fire Dampers

IFD Series Products



AUSTRALIAN MADE

Never before has a **fire damper** offered so much **flexibility**



Kilargo IFD Series Intumescent Fire Dampers

IFD's are designed to seal penetrations provided for movement of air via ducted or naturally ventilated means.

Kilargo's IFDs have no moving parts providing a reliability unmatched by conventional mechanical type fire dampers.

The operation of Kilargo IFDs is by heat activation of the intumescent material. The intumescent material swells many times its original thickness to form a solid barrier to fire.

This mode of operation means that the Kilargo IFD series intumescent fire dampers are bi-directional and cannot rust open. In addition, they are not affected by building movement or thermal expansion. In addition, Kilargo IFD's will never mis-activate to cause system issues.

Visit us online

Check out www.kilargo.com.au for the latest info.

Kilargo Technical Support

Kilargo provides free technical support for design specification and installation of its intumescent fire damper products and systems.

Contact Kilargo to ensure the most effective and economical solution is specified and installed.

Standards & Codes

Relevant standards and codes relating to the fire damper performance, fire resistance, installation and maintenance include:

- AS 1668.1 Fire & Smoke Control in Buildings
- AS 1530.4 Fire test methodology
- AS 1682.1 Specification / Design
- AS 1682.2 Installation
- AS 1851 Maintenance





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Regulatory Requirements

To comply with the Building Code of Australia and referenced standard AS1668.1 Kilargo IFDs are fully fire tested in accordance with AS1530.4.

Comprehensive approvals provide users with confidence to specify Kilargo intumescent fire dampers for standard and 'performance based alternative solutions'.



Kilargo Approvals

Approved installations and applications for Kilargo intumescent products is growing all the time, and includes a number of recent approvals such as:

- CSR hebel wall systems
- Pyropanel constructed fire door systems
- E-Core fire door assemblies
- Firecore fire door assemblies
- CSR security wall

Testing is carried out by independent laboratories throughout Australia, New Zealand and other overseas locations.

Kilargo Intumescent Mastic

Designed for use in fire damper installation plus uses where other intumescent material may be impractical.

When exposed to fire, our intumescent mastic swells while maintaining adhesion to all common construction materials.

Water based for easy clean up, and offering smooth gunnability, Kilargo Mastic is flexible, paintable and has acoustic properties.

Kilargo Approvals specify the use of ONLY Kilargo Intumescent Mastic.

FRL (Fire Resistance Level)

FRL refers to the time in minutes as determined in accordance with the AS 1530.4 laboratory test methods for:

- **Structural Adequacy** - The ability to maintain both stability and load bearing capacity. Fire dampers have no requirement for this criterion.
- **Integrity** - The ability to prevent the passage of flame and hot gases as specified in AS 1530.4
- **Insulation** - The ability to maintain a surface temperature below that specified in AS 1530.4

FRL is expressed in order of:

Structural Adequacy / Integrity / Insulation

Generally, fire dampers require an FRL for integrity only. Thus a fire damper may have a fire resistance level of:
FRL - / 120 / - giving a two hour fire rating.

Note that where a dash appears - there is no requirement for that criterion.

Kilargo IFD Software Suite

Applications built specifically for the
Kilargo Intumescent Fire Damper Range



Revit® Selection Tool

- **Kilargo's** full Intumescent Fire Damper Range is now available **at your fingertips**
- Make your projects **fully compliant** from **Design to Construction**
- Add-on is **100% free**

The Kilargo Revit content automatically sizes and orients to suit the duct size and orientation, assisting specifiers with their projects. The content is also compliant with the industry standard BIM-MEPAUS.

Using the Kilargo Revit Selection tool, the user can select criteria such as type of penetration, fire resistance level and building element, and find a list of available Kilargo dampers and compliant systems that suit those criteria. The user can then select the most appropriate product and save the corresponding Revit file to their computer instantly, or place it in their project.

For more information visit: www.kilargo.com.au/revit

Kilargo IFD Selector App

All the details you need are now on-site with you!

Get the right recommendation for your project on the spot from our extensive IFD range based on your specific use and application. With the IFD Selector App, you have instant access to installation instructions to correctly comply with building regulations.

App is optimised for tablets and mobile devices across iOS & Android.

For more information visit: www.kilargo.com.au

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Introducing

IFD Selector App Built for iOS 11

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www.kilargo.com.au



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GET IT ON
Google Play

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IFD Series Products



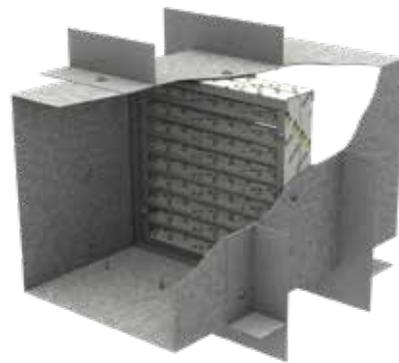
IFD44

Features

- Innovative, slimline design
- Simple installation
- Suitable retrofit solution for seized mechanical fire dampers
- Approvals for wall, floor & ceiling mounting
- No thermal expansion clearances required during installation
- Reduced maintenance & resultant cost savings

Technical Data

- Integrity fire rating - up to 2 hours (with cell only)
- Damper depth 44mm
- Sizes available from 45mm to over 10,000mm.



IFD44 CASED

Features

- Insulating wall & floor mount
- Includes sleeve & flanges
- No hazardous fibrous packing required
- No thermal expansion clearances during installation
- Reduced maintenance & resultant cost savings

Technical Data

- Integrity fire rating - 4 hours
- Insulation fire rating - 2 hours
- Sizes available up to 600 x 600mm (larger sizes available upon request)

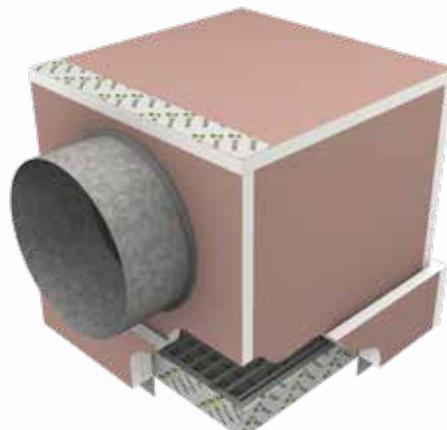
IFD-CE

Features

- Moisture resistant
- Multiple innovative designs to choose from
- Space savings compared to old 'rat trap' designs
- Suitable for use with supply grilles & return air diffusers
- Reduced maintenance & resultant cost savings
- Ideal as a retrofit solution in fire safety upgrades

Technical Data

- Integrity fire rating - up to 90 minutes
- Insulation fire rating - up to 90 minutes
- Sizes available up to 600 x 600mm
- All CE units are rated for incipient





IFD-O

Features

- Cost effective solution
- Innovative & easy to install lightweight design
- Suitable for extract and supply systems in commercial, industrial and residential projects
- No hazardous fibrous packing required
- No thermal clearances required in installation
- Reduced maintenance & resultant cost savings
- Also available as IFD-OSS for aggressive environments

Technical Data

- Integrity fire rating - 4 hours
- Sizes available from 100mm up to 350mm Dia
- Galvanised sleeve (spigot) 360mm long



IFD-O HI FLO

Features

- Hi Flo design with reduced pressure drop
- Suitable for exhaust systems where every Pa saved can mean reduced fan sizing & resultant power savings
- System acoustic benefits
- No thermal clearances required in installation
- Reduced maintenance & resultant cost savings

Technical Data

- Integrity fire rating - up to 2 hours
- Sizes available 150mm & 200mm Dia
- Galvanised sleeve (spigot) 360mm long



IFD-OSS

Features

- Cost effective solution
- Stainless steel sleeve
- No hazardous fibrous packing required
- No thermal clearances required in installation
- Reduced maintenance & resultant cost savings
- Available with halar coating for hazardous environments

Technical Data

- Integrity fire rating - up to 4 hours
- Sizes available 100mm up to 350mm Dia
- Stainless Steel sleeve (spigot) 360mm long



IFD-D

Features

- Innovative slimline design
- Suitable for both mini & maxi fire doors
- All-in-one Kit includes 1 x IFD, 2 x cover grilles, Kilargo Mastic & fixings
- No moving parts result in a robust trouble free installation which will not rattle or vibrate
- Easy installation in new or existing doors

Technical Data

- Integrity fire rating - up to 2 hours
- Insulation fire rating ½ hour
- Sizes available 300 x 300mm, 600 x 300mm & 450 x 450mm
- 600 x 600mm (Pyropanel doors only)
- Suits nom. 35mm and 45mm thick fire doors
- Aluminium cover grilles, with silver powder coated finish

Intumescent Fire Dampers

Informational guide prepared by Kilargo

15 Wentworth Place
Banyo QLD 4014
Australia

P 1300 858 010
E info@kilargo.com.au
www.kilargo.com.au