

RAVENS-CROFT FIRE DAMPER FOR PLASTERBOARD WALLS

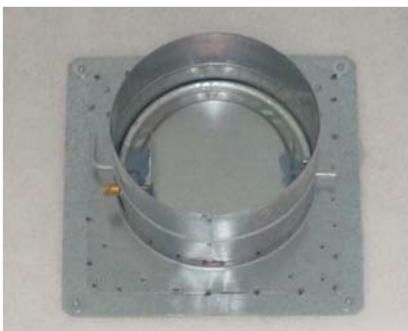


The Ravenscroft Fire Damper for plasterboard walls (also known as BSD-PW) combines a balancing damper and fire damper enabling a fast installation of the damper without any special framing. As a result the Ravenscroft Fire Damper is considerably quicker to install than other dampers in the market.

This fire damper model comes with insulation to protect the plasterboard wall from fire. This insulation is encapsulated in steel and therefore is protected from damage. All Ravenscroft Fire Dampers can be adjusted to the wall thickness.

The fire damper is supplied as a kitset with all necessary fasteners and instructions. The kitset assembly minimises installation error to maximise safety.

Fire dampers are rated up to 2 hours. Fuse release is external therefore damper is easily activated and reset during building maintenance checks. A duct inspection hatch is not required to check either the damper operation or the fuse.



Ravenscroft Fire Damper can be converted to a Smoke Damper when factory fitted with a specially designed Belimo spring-return actuator. An optional thermal tripping device allows it to be used as a combination Fire/Smoke Damper.

The Ravenscroft Fire Damper has many advantages over traditional fire dampers:

- Fast installation
- Specifically designed for installation in plasterboard walls
- Fire rated up to 2 hours
- No balancing damper or duct access hatch required
- Supplied as a kitset
- Custom lengths on request
- Also available as concrete/masonry version
- Motorised Smoke Damper version
- Stainless steel version



To see the quick and easy damper installation yourself, visit ravenscroft.co.nz/index.php/video to view the damper installation comparison video!

RAVENS CROFT FIRE DAMPER FOR PLASTERBOARD WALLS



INSTALLATION

This Ravenscroft Fire Damper is specifically developed for plasterboard walls with extensions and flanges made of galvanised steel. On application, a stainless steel version is also available.

The unit is secured in a wall by flanges fastened directly to the plasterboard only. The 400 diameter units have flanges sized to overlap standard spaced studs with fastening to the studs and plasterboard.

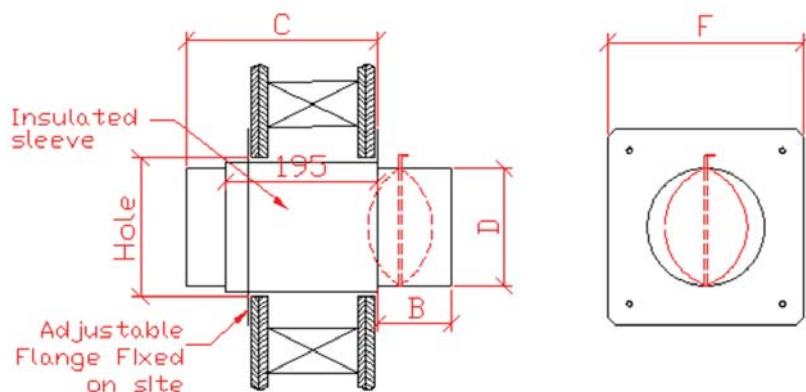
One flange is fixed to the damper and the other supplied loose to accommodate variations in wall thickness. The standard maximum thickness for penetrations through plasterboard cavity walls is 180 mm. Other lengths can be manufactured to order.

All screws and rivets are provided as part of the kitset and must be used. Approved fire rated mastic required to seal the flanges to the wall and duct tape for flexible connectors are not included in the kitset.

The wall cavity must be protected from heat during a fire. Therefore, the plasterboard wall fire damper incorporates a fire rated ceramic insulation blanket encapsulated in galvanised steel. This ensures the insulation properties are consistent and protected before, during and long after installation.

The insulation value is therefore independent of the installers skill level ensuring maximum safety.

Each fire damper is delivered with full installation instructions.



BSD-PW	D	Hole	B	C	F
125	124	165	95	245	225
150	149	190	95	245	250
175	174	215	95	245	275
200	199	240	95	245	300
250	249	290	95	245	350
300	299	340	155	245	410
400	399	440	155	245	650

APPROVAL

Tested to AS1530.4-1990. FRR 120 minutes in plasterboard walls. BRANZ Test Report FP 2376.

For masonry walls the standard Ravenscroft fire damper, BSD-C, without the insulated sleeve is available satisfying AS1530.4-1990 for at least 120 minutes under BRANZ Opinion 97/1026.

The Ravenscroft fire damper for plasterboard walls, BSD-PW, meets the requirements of AS1682-1991 Parts 1 & 2. (Means of Code Compliance: Verification by Laboratory Test)

RELEASE ALTERNATIVES

Alternative means of release are available on application. These include e.g. specially designed Belimo spring-return actuators and heat release sensors.