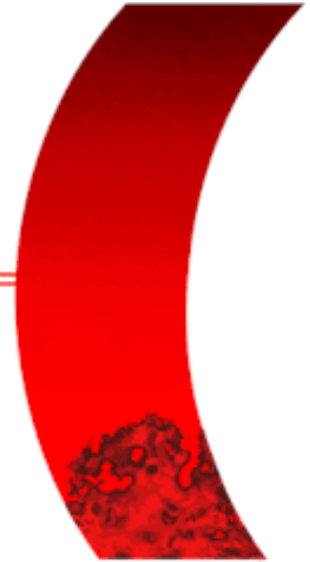




BULLOCK MFG Pty Ltd.

Prefco / Bullock

Motorised Air / Smoke / Fire Damper.



Product Description

This Prefco / Bullock combination air / smoke / fire damper is a unique 3 in 1 damper. Designed to perform three important but basic functions within the buildings heating, ventilation or air conditioning (HVAC) system.

- A fire damper, to stop materials of combustion transferring throughout a building and retain a compartments fire integrity
- A smoke damper to control toxic smoke from a fire zone.
- To simply control conditioned air in various areas when required.
- A combination of all three in the one fire rated element.



Prefco / Bullock combination Air / Smoke / Fire Damper
Fire Tested for a 4 hour rating to AS1530.4 - 1975, BS476: Part 20 - 1987
Fire Tested for a 3 hour rating to UL555. Performance leakage test to UL555

Model Features

There are three Models available - Model 5000, Model 5020-1 & Model 5010.

Model 5000

Motorised combination air / smoke damper.

The Model 5000 Prefco / Bullock motorised air / smoke damper features a 1.2mm galvanised steel fire damper casing complete with flange angles. Roll-formed galvanised steel blades are centre pivoting allowing bi-directional airflow and operation at elevated temperatures.

This unique blade design is airflow test proven to be superior to airfoil type designs, resulting in less airflow resistance, The actuator drive is a zinc plated 12mm round shaft which is mechanically fixed to the blades via stainless steel pivots, ensuring a smooth positive blade action at various velocities. Zero torque is required when the damper blades are in the closed position due to the patented knee action blade locking and smoke sealing system.

- Optional extras Available
- Minimum sizes apply



Model 5020-1

Motorised combination smoke / fire damper.

The Model 5020-1 Prefco / Bullock motorised smoke / fire damper is based upon the Model 5000 and comes complete with the McCabe" Link. The McCabe" Link is a 68 degree C. re-settable, re-usable bi-metallic thermal link.

Once the disconnect temperature of the link is reached, the spring loaded damper blades snap closed. the patented knee action blade locking system holds the blades tightly closed. This can be over ridden but only if the link has cooled to a temperature below 68 Deg.C. and if the actuator is still operational, to cycle the reconnection of the link to the blades. Smoke purging of the fire zone can then be achieved if the actuator power is then de-energised.

- Optional extras Available
- Minimum sizes apply



Model 5010

Combination Motorised smoke / fire damper with remote control electric McCabe" Link.

The Model 5010 Prefco / Bullock combination motorised air / smoke / fire damper with smart override capability is also based on the [Model 5020-1](#) with a unique additional feature.

The Model 5010 incorporates an electrically energized heating element laminated directly to the bi-metallic [McCabe" Link](#) in the dampers operator.

The controls for this link can be monitored from a central control room, this gives you the advantage of after hours damper testing when coupled with a micro-switch signal design. Only 24 Volt A.C.-63 watt low voltage power is required. When the link is tripped through elevated duct temperature or electrical impulse, the blades spring to the closed position physically disconnecting them from the drive shaft. Therefore, an actuator is only needed for automatic reset / reopen.

- Optional extras Available
- Minimum sizes apply



After 16 years - still in perfect working order.

Tests

- AS1530.4-1975. 4hr FRL. - Sponsored Investigation - 1797. Size: 2793mm wide x 2300mm high. Date: 13th February 1985
- BS 476. Part 20-1987. 4hr FRL. - Test Number - TE 87808A.
- UL555. 3hr classification. (FRL) - Test Number - R6189-6.
- C.S.I.R.O - 2hr plasterboard wall installation. Assessment Number - FCO-1865.
- C.S.I.R.O.- 2hr Masonry / plasterboard wall installation. Assessment Number - FCO-1992.

Damper Sizes

- Minimum Size Available: 250mm wide x 300mm high.
 - Maximum Size Available: 2793mm wide x 2300mm high.
 - Minimum wall thickness: Duct to Duct = 90mm. Duct to Grille = 154mm (maximum recess = 40mm).
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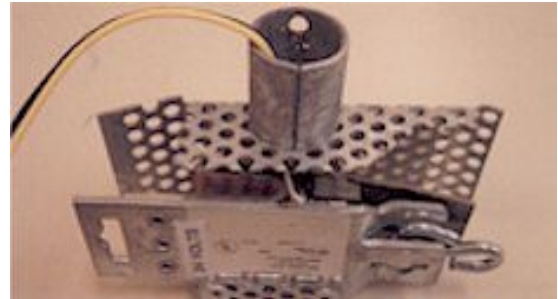
McCabe Link

The McCabe re-settable, re-usable, bi-metallic thermal 68 Degree C. Link (standard)

- Tested to AS1890 - 1976. Test Number - 2847. (NATA - 607.)
- Underwriters Laboratories Test (UL33) - 1976. Test Number - R7569.



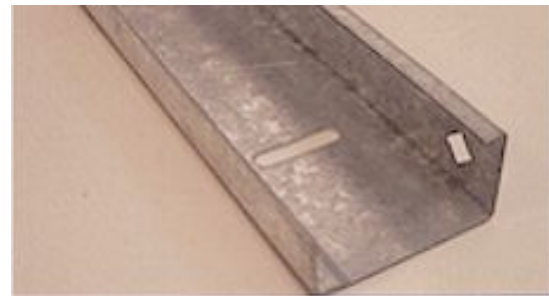
Standard



Electric Remote Control

Optional Extras

- Flanging angles can be replaced with 35mm channels to suit TDF, TDC, ENELMATE and DUCTMATE flanging systems. (Low Melting point bolts must be used when bolting duct to damper).



- Bullock metal expansion gap sealing system to replace health hazardous mineral fibre wrapping.



Installation

Installation Instructions are critical, to comply with AS1682.2-1990. Refer to the manufacturers separate installation instructions to suit your designed application.

Maintenance

This damper requires little maintenance once installed, refer to AS1851.6-1997 for detailed maintenance procedures.

For Further Information please contact your local Representative

Specifications are subject to change without notice.

BULLOCK MFG P/L ~ 22 Pike St. Rydalmere. NSW 2116 Ph:(02)9684 1311 Fax:(02)9684 2250
BULLOCK VIC P/L ~ 54 Tarnard Dr. Braeside. VIC 3195 Ph:(03)9587 5522 Fax:(03)9587 6622
BULLOCK WA P/L ~ 34 Industry St. Malaga. WA 6062 Ph:(08)9248 1633 Fax:(08)9248 1733
BULLOCK INDUSTRIES P/L ~ 26 Quindus St, Wacol. QLD 4076 Ph:(07) 3271 2088 Fax:(07)3271 1892
BULLOCK SA P/L ~ U1 Commercial Crt. Dry Creek. SA 5094 Ph:(08) 8349 7088 Fax:(08)8349 7066

[email:bullmfg@bigpond.net.au](mailto:bullmfg@bigpond.net.au)

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