



FD_L *Louvre Type Fire Damper*

MFD_L *Motorized Fire Damper*



Introduction

With its parallel blade operation closing system, Louvre type fire damper (PFDL) is used to localise areas of fire in ventilation systems and thus impeding the spread of fire and hazardous gases. Available in both standard and motorized configurations.

For spring-loaded configuration, it automatically closes by spring force when the fuselink breaks at 74°C. The activated blades are held in place with both the spring force and the blade return catch.

For motorised configuration, it can be closed either remotely or by a local temp trip device; or both.

CONSTRUCTIONS & MATERIALS

- In-airstream, static rated fire damper
- Fire integrity rating of 2 hours
- UL33 compliance thermal link rating of 74°C
- BS 476: part 20 : 1987 standard compliance
- MS 555: Part 1 : 2003 standard compliance
- Available in both floor and wall mounted configurations
- Triple V-Groove Blade
- Bolts : M6 x 25mm

Frame Construction



Galvanized Steel

Blade Construction

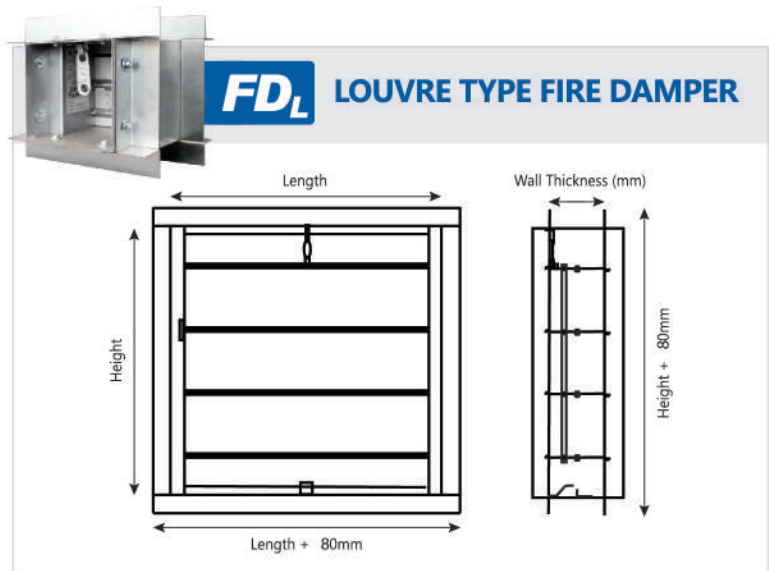


Galvanized Steel

Flange Construction

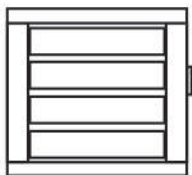


Galvanized Steel

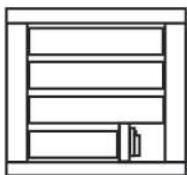


MFD_L

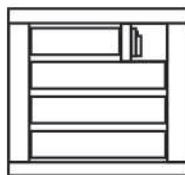
MOTORIZED FIRE DAMPER - ACTUATOR LOCATION



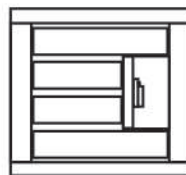
Configuration A
Shaft Outside



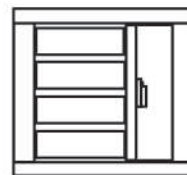
Configuration B
Inside Bottom



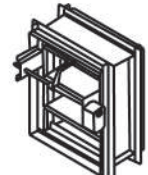
Configuration C
Inside Top



Configuration D
Inside Middle



Configuration E
Compartment

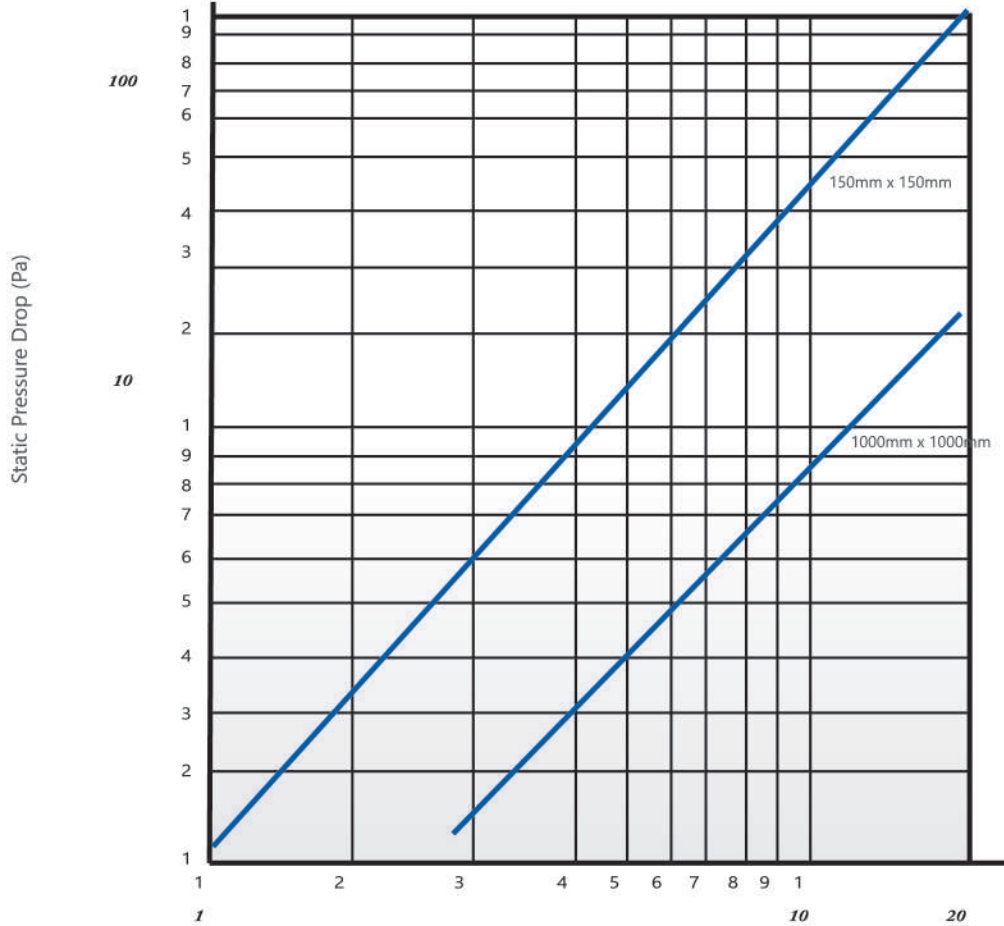


Configuration F
Infront Shaft

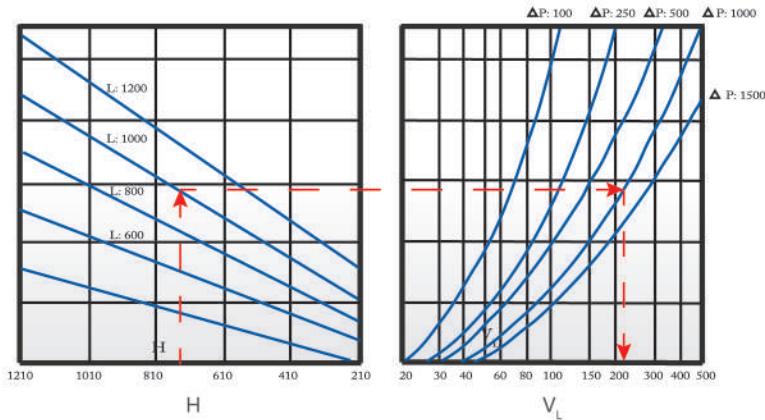
AERODYNAMIC PERFORMANCE

Fire Resistance Test (Branz, 2 Hr Rating)

DUCT VELOCITY VS STATIC PRESSURE DROP (PA)

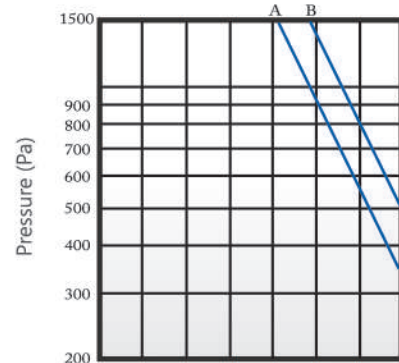


CLOSED DAMPER LEAKAGE



L Length (mm)
 H Height (mm)
 V_L Volume Flowrate (cmh)
 ΔP Pressure Difference (Pa)

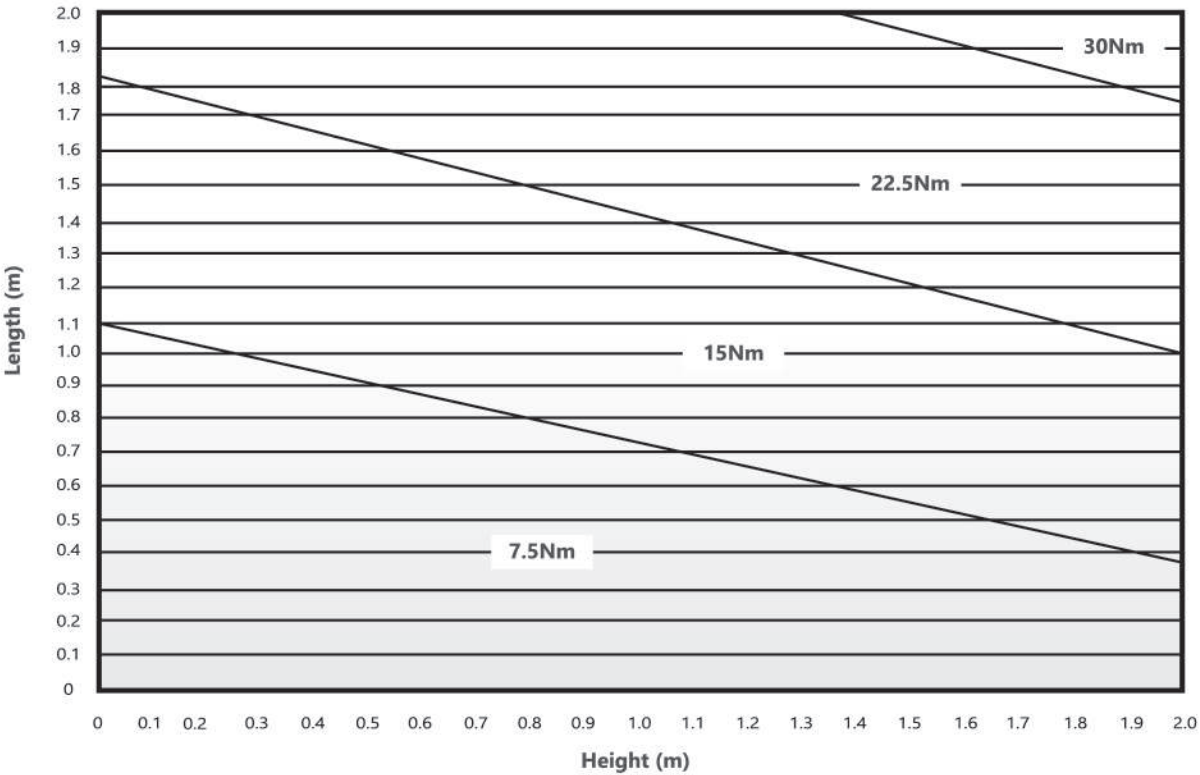
OPERATION RANGE



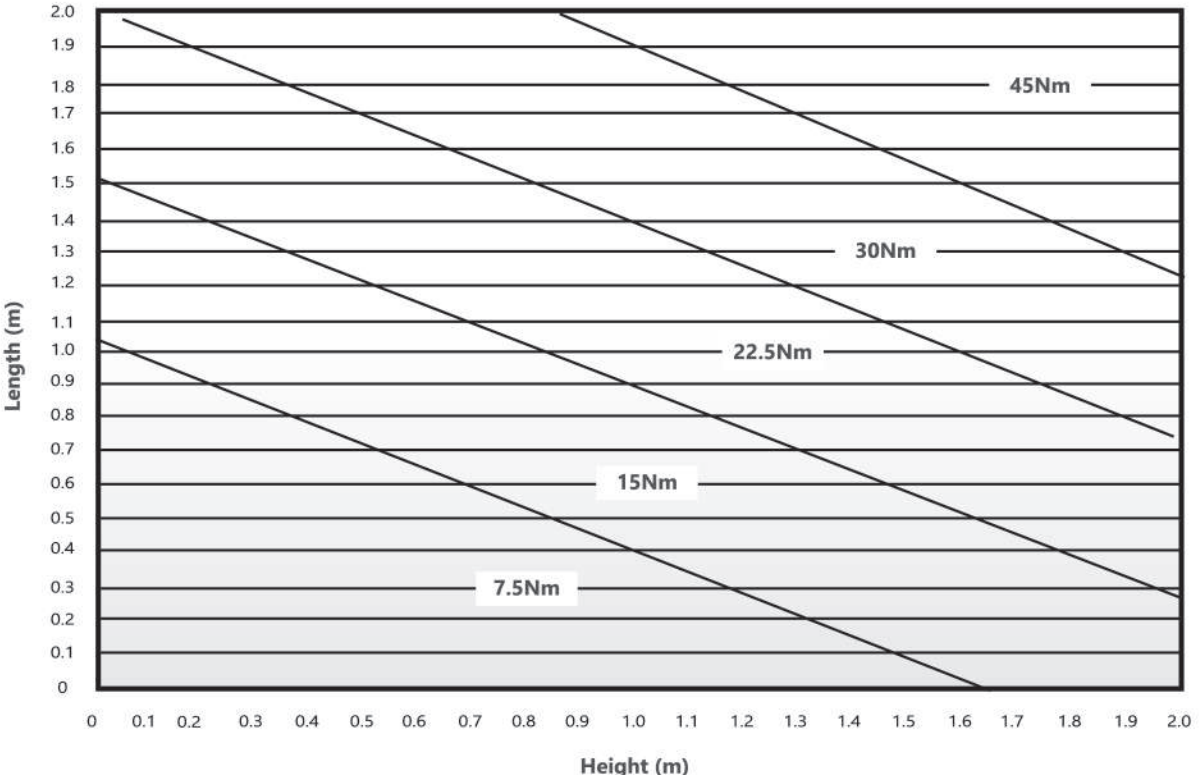
A Recommended operation range
 B Critical operation range

ACTUATOR TORQUE REQUIREMENTS

For Pressure Less or Equal to 500 Pa



For Pressure Less or Equal to 1000 Pa





**IBU PEJABAT,
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MALAYSIA,**
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Email : pro@bomba.gov.my

PEMBAHARUAN

NO. RUJUKAN : **JPBM:BKK/005/19/33/38 (4)**

TARIKH : **27/05/2011**

NO. SIRI : **AK/FP/452/2007 (P4)**

**SIJIL PERAKUAN BAHAN 2011/2012
ALAT KELENGKAPAN**

FIRE DAMPER



Jabatan ini memperakui **ALAT KELENGKAPAN** tersebut di atas berdasarkan Piawaian dan Laporan ujiannya, dan Pihak Arkitek atau Jurutera Profesional bagi projek berkaitan adalah bertanggungjawab menentukan kesahihan **ALAT KELENGKAPAN** dipasang mengikut Laporan Piawaian ujiannya (Rujuk pada **1.6** dan **1.7**)

- 1.1 Nama & Alamat Pengedar : **PRUDENT AIRE MARKETING SDN. BHD.
LOT. 1849B, KG. BARU BALAKONG,
43300 SERI KEMBANGAN,
SELANGOR DARUL EHSAN.**
- 1.2 Nama & Alamat Pengeluar : **----SDA----**
- 1.3 Tahap Rintangan Api : **----**
- 1.4 Jenis Alat Kelengkapan : **FIRE DAMPER (2 JAM)
(INTEGRITI 129 MINIT)**
- 1.5 Tempoh Sah Perakuan : **22/05/2011 HINGGA 21/05/2012**
- 1.6 No. Laporan Ujian / Tarikh : **BRANZ NO. FP3543 (09/10/2006) – Sila kemukakan
Laporan Ujian / Assessment yang terkini pada
pembaharuan akan datang. Sijil tidak akan
diperbaharui tanpa dokumen tersebut.**
- 1.7 Piawaian : **BS 476 : PART 20 : 1987**
- 1.8 Spesifikasi / Jenama : **MODEL : PFD - S**
- 1.9 Had Kegunaan : **PERLU MEMATUHI UBBL 1984 DAN SEPERTIMANA
SPESIFIKASI UJIAN.**

2. Lain-lain (nyatakan) : Sila kemukakan **Borang C1/ C2/ C3** (diisi oleh pihak berkenaan) ke Jabatan Bomba dan Penyelamat Negeri dimana projek dijalankan dan Ibu Pejabat Bomba dan Penyelamat, Malaysia apabila selesainya tiap-tiap projek tersebut.

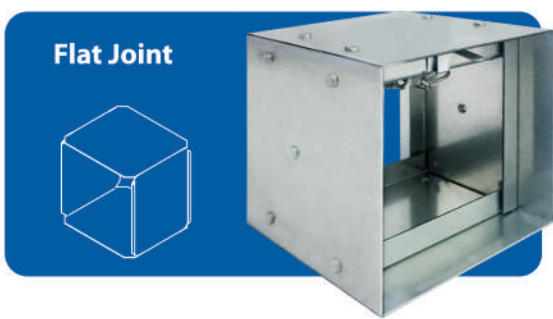
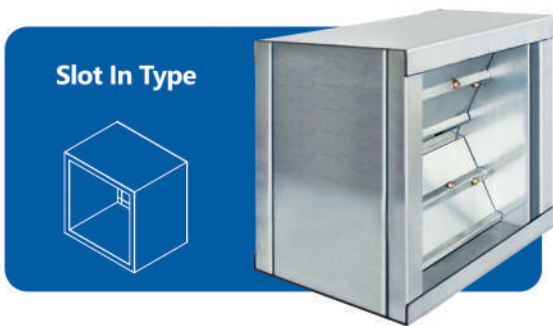
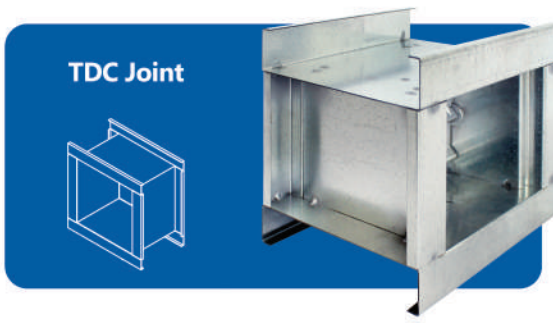
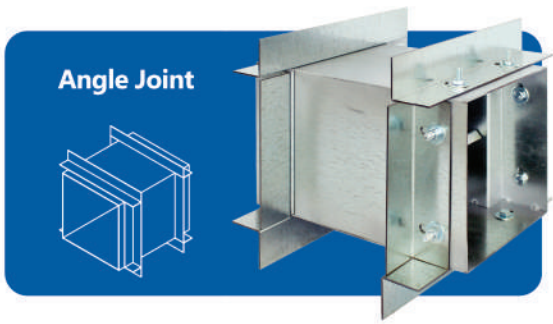
2.1 Syarat – syarat Perakuan Bomba dan Penyelamat ini yang mesti dipatuhi seperti di **Lampiran A1 dan A2**. Spesifikasi **ALAT KELENGKAPAN** ini adalah seperti dalam Laporan ujian (di para 1.6 di atas)

(DATO' RUSMANI BIN MUHAMAD)
Penolong Ketua Pengarah,
Bahagian Keselamatan Kebakaran,
b.p Ketua Pengarah
Jabatan Bomba Dan Penyelamat, Malaysia.



**CERTIFIED TO ISO 9001 : 2008
CERT. NO : AR 5037**

JOINING METHODS

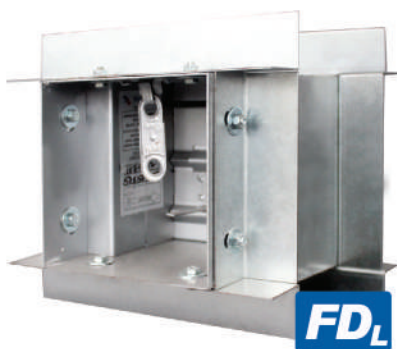




Notice :

Damper size would be fabricate as exact neck size

AVAILABLE TYPES



Louvre Type



Motorized Louvre



FD_L | Louvre Type Fire Damper
MFD_L | Motorized Fire Damper

Products Range

- Grilles 
- Diffusers 
- Dampers 
- Fire & Smoke Protection  ◀
- VAV 
- Others 
- Accessories 



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