



*Stream Air*®



ISO 9001:2008 Certified  
Certificate No. FM 509124

# **Fire Damper, Curtain Type, FDC** **3 Hr Fire Rating, ANSI/UL 555, CAN/ULC S112**

**Single Section, Multiple Section**  
**In Airstream, Out of Airstream, Vertical only**



Frame of Damper, attached  
to frame of Fan with steel angle

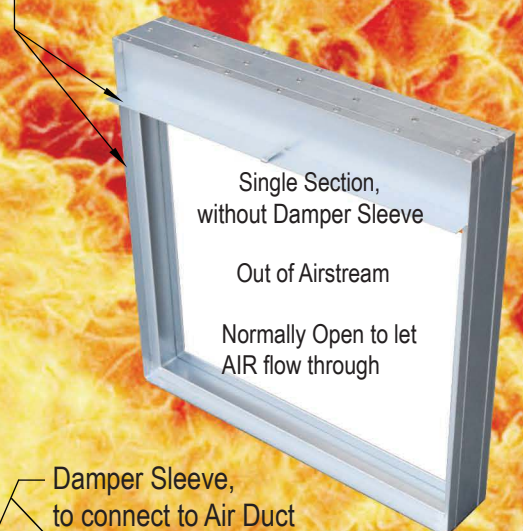
Frame of Damper, attached  
to frame of Fan with steel angle



Single Section,  
without Damper Sleeve  
In Airstream  
Normally Open to let  
AIR flow through



Single Section,  
without Damper Sleeve  
In Airstream  
Fully Close when temperature  
reach 165°F (74°C) automatically  
to prevent Fire flow through



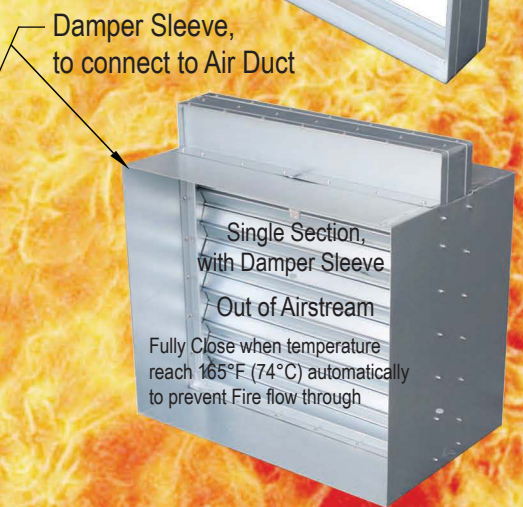
Single Section,  
without Damper Sleeve  
Out of Airstream  
Normally Open to let  
AIR flow through



Single Section,  
without Damper Sleeve  
Out of Airstream  
Fully Close when temperature  
reach 165°F (74°C) automatically  
to prevent Fire flow through



Single Section,  
with Damper Sleeve  
In Airstream  
Fully Close when temperature  
reach 165°F (74°C) automatically  
to prevent Fire flow through



Single Section,  
with Damper Sleeve  
Out of Airstream  
Fully Close when temperature  
reach 165°F (74°C) automatically  
to prevent Fire flow through



**UL LISTED** **Fusible Link,**  
**165°F (74°C), UL 33**

The fuse will be melted to release blades of  
the damper to close fully to prevent Fire when  
temperature reach 165°F (74°C) automatically



Multiple Section,  
2 Single Section connected together  
Out of Airstream  
Fully Close when temperature  
reach 165°F (74°C) automatically  
to prevent Fire flow through



Multiple Section,  
2 Single Section connected together  
In Airstream  
Fully Close when temperature  
reach 165°F (74°C) automatically  
to prevent Fire flow through



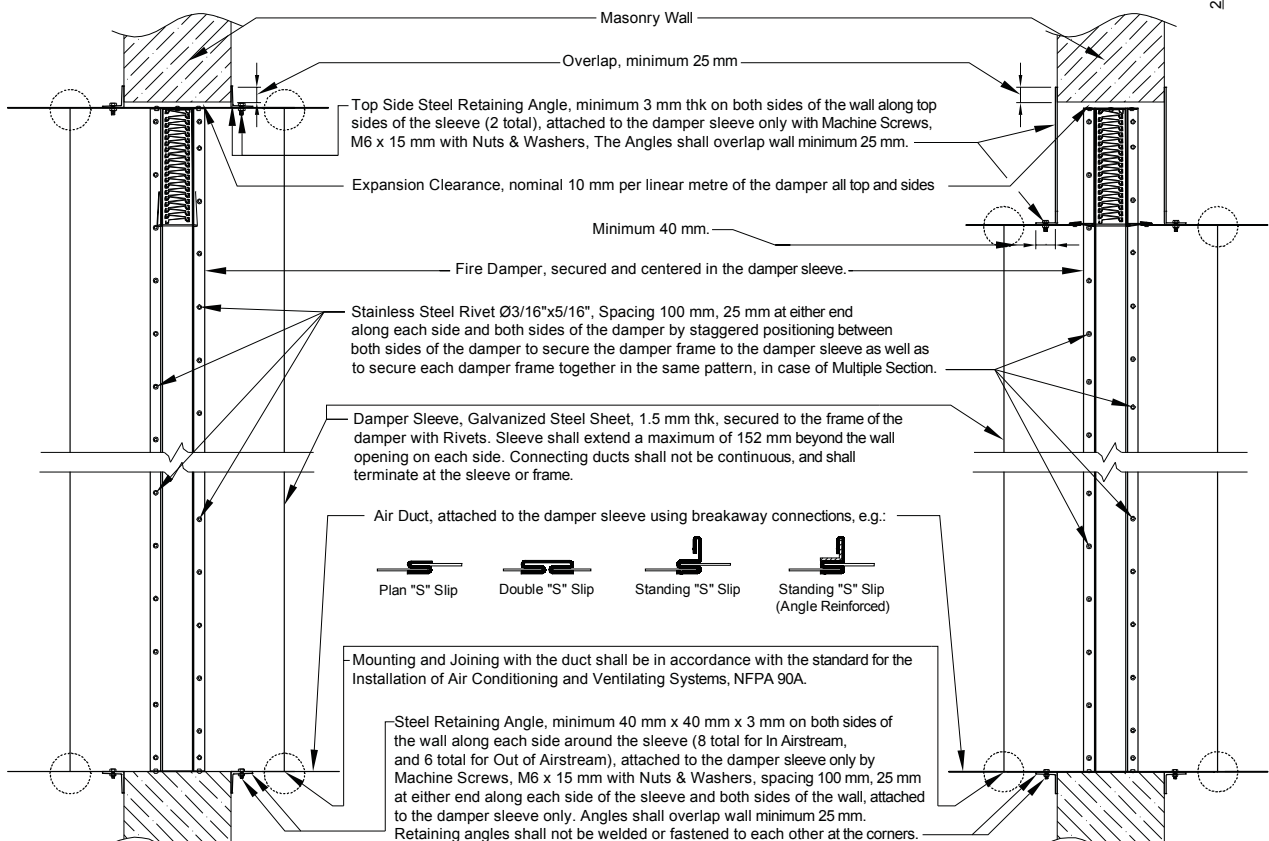
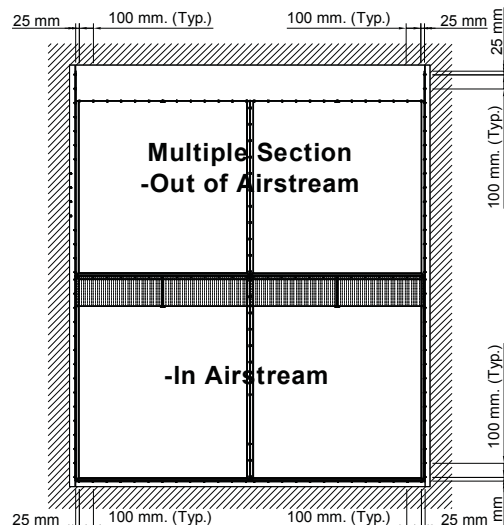
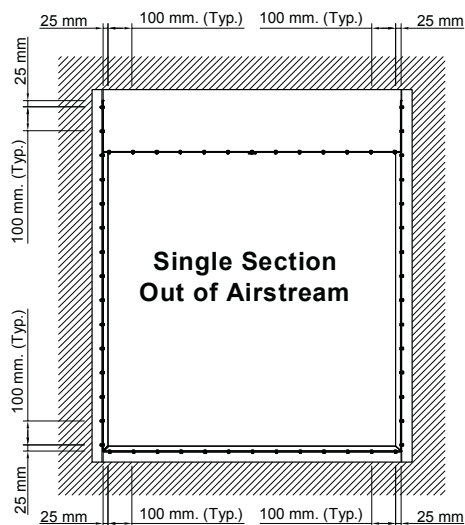
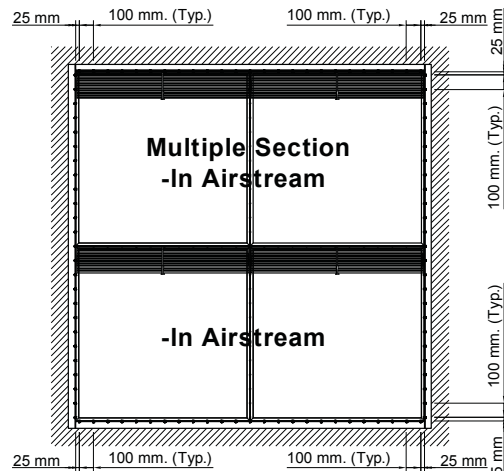
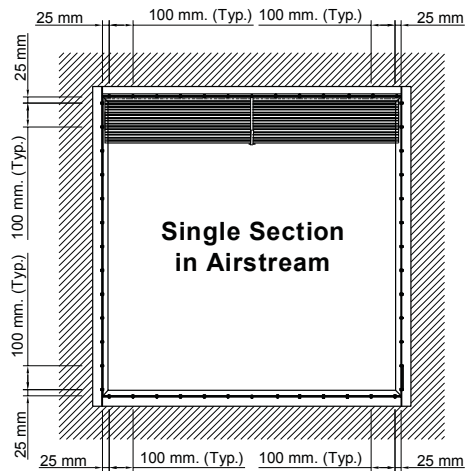
Multiple Section,  
4 Single Section connected together  
In Airstream  
Fully Close when temperature  
reach 165°F (74°C) automatically  
to prevent Fire flow through





## Installation Instruction of Fire Damper, Curtain Type : FDC

### Single Section, Multiple Section, In Airstream, Out of Airstream



Single Section, in Airstream

Single Section, Out of Airstream

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20160525-R26041  
**Report Reference** R26041-20160518  
**Issue Date** 2016-MAY-25

**Issued to:** PCJ INDUSTRIES CO LTD  
199/24-25 Vibhavadeerangsit Rd  
Samsennai  
Payathai Bangkok 10400 THAILAND

**This is to certify that  
representative samples of**

Dampers for Fire Barrier and Smoke Applications  
Fire Damper, Model FDC

These dampers are of the curtain type rated up to and  
including 3 hours.

Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** ANSI/UL 555, Fire Dampers.  
CAN/ULC S112, Standard Method of Test of Fire Damper  
Assemblies.

**Additional Information:** See the UL Online Certifications Directory at  
[www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's  
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.

*B. Mahlen*

Bruce Mahlenholz, Director North American Certification Program  
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please  
contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



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## How to Order XXX-XX-XX

### Model :-

FDC = Fire Damper, Curtain Type,  
3 Hr Fire Rating, ANSI/UL 555, CAN/ULC S112

### Section :-

S = Single Section  
M = Multiple Section

### Frame Size :-

W x H (for In Airstream) = Frame Width X Frame Height  
W x H (for Out of Airstream) = Frame Width X (Frame  
Height - Blade Package Height)

### Airstream :-

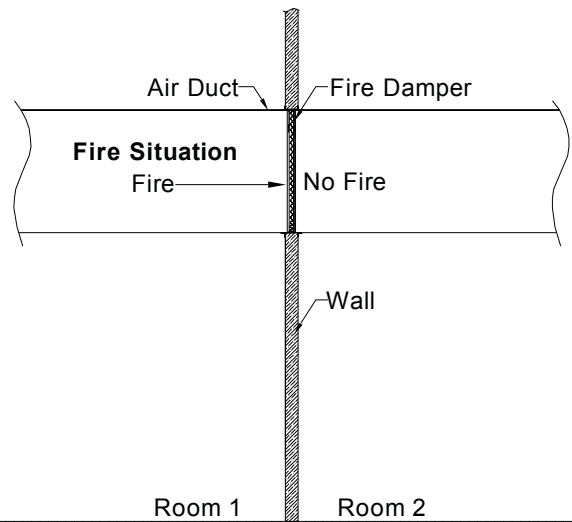
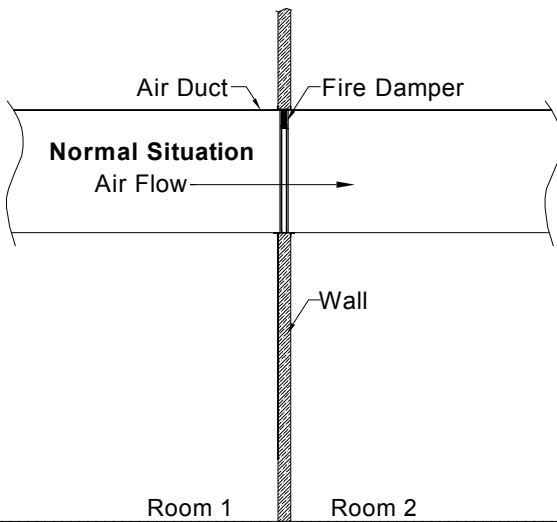
I = In Airstream  
O = Out of Airstream

**Example :** FDC-SI-1200x1200 = Fire Damper, Curtain Type, 3 Hr Fire Rating, ANSI/UL 555, CAN/ULC S112, Single Section  
In Airstream, Frame Width 1200 mm x Frame Height 1200 mm

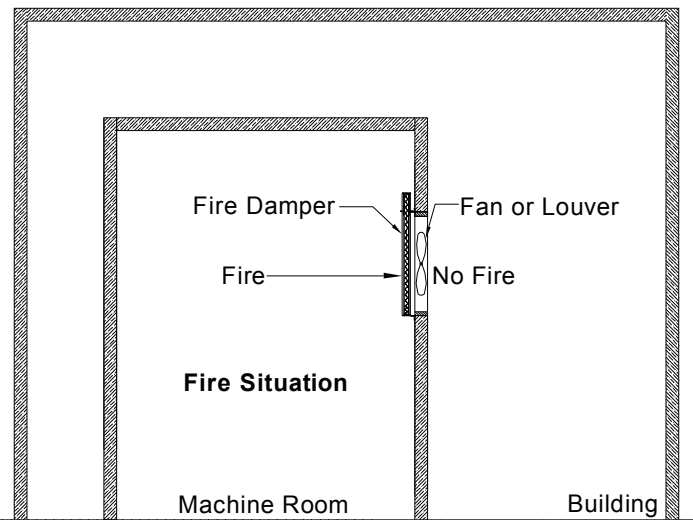
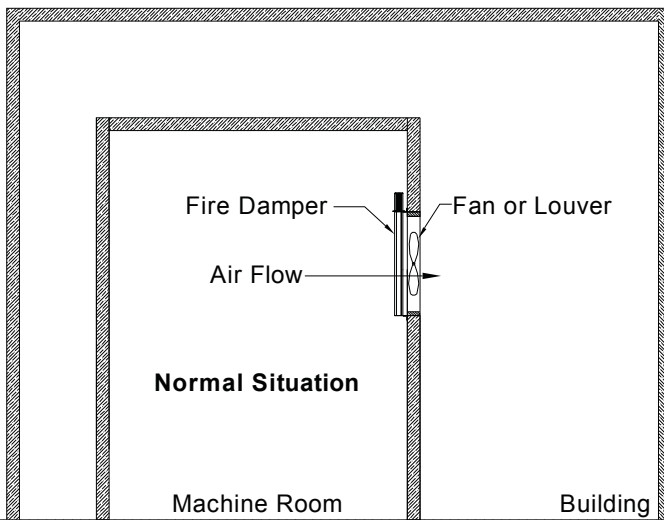


# Applications

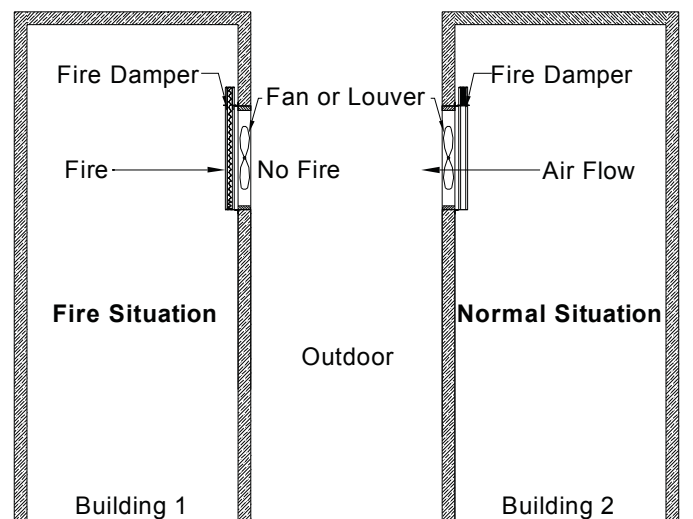
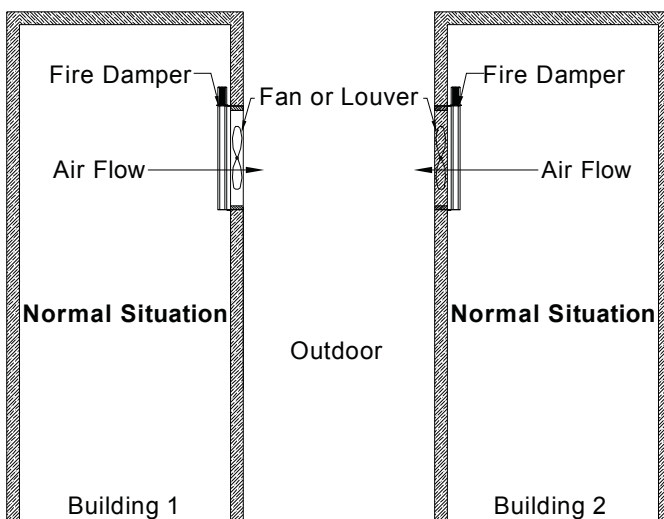
## Mounted in Air Duct Line run through wall



## Mounted with Fan or Louver in Machine Room



## Mounted with Fan or Louver at outside wall of building



**PCJ INDUSTRIES CO.,LTD.**  
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