

## Get Free Smacna Damper Guide

# Smacna Damper Guide

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## **Smacna Damper Guide**

SMACNA is being increasingly advised

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that contractors are being required to provide elements of fire damper and combination fire/smoke damper installations which are both unnecessary and not allowed.

### **Technical Resources - SMACNA**

Since the publication of the first edition of this “Fire, Smoke, and Radiation

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Damper Installation Guide for HVAC Systems,” many changes have occurred in concepts of fire protection. The new edition updates the 1992 edition and includes: updated code references; NFPA references; and expanded guideline notes on the details of damper installation. The appendices on smoke control and smoke detectors have been

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revised to reflect the current technology and requirements for those applications.

## **Fire, Smoke and Radiation Damper Installation Guide for HVAC**

Fire Damper Guide Fifth Edition vii ...

FIRE, SMOKE AND RADIATION DAMPER

INSTALLATION GUIDE FOR HVAC

SYSTEMS Author: SMACNA Subject: FIRE

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AND SMOKE DAMPERS Keywords: FIRE  
SMOKE DAMPERS Created Date:  
20020715143136Z ...

## **TABLE OF CONTENTS - SMACNA**

- Smoke Barriers shall be protected with dampers as follows:
- A listed smoke damper designed to resist the passage of smoke shall be provided at each point



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a duct or air transfer opening penetrates the smoke barrier • Leakage Rating either Class I or Class II with a minimum

### **Fire, Smoke, & Radiation Dampers**

standard for fire dampers; UL 555S is the test standard for smoke dampers. Combination fire/smoke dampers must meet the test requirements for both UL

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test standards. Based on these tests, dampers are then given a fire rating, leakage rating or both for combination dampers.

## **IMPROPER FIRE DAMPER INSTALLATION - SMACNA**

The Fire, Smoke and Radiation Damper Guide (5th edition) also summarizes

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installation details. Checklists are included for ductwork and fire dampers. Valuable as a study guide for the HVAC Duct Construction Standards manual and for learning inspection procedures in general.

### **HVAC Duct Systems Inspection Guide - SMACNA**

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Consult the SMACNA Fire, Smoke, and Radiation Damper Guide and local codes for obligations to show the location of each barrier penetration protection device on contract drawing. Review the commentary in Section 2.3 of these standards for obligations to show all air volume control devices on the contract drawings when they are not specified to

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be integral with hvac units or air terminal units.

## **HVAC Duct Construction Standards**

ANSI/SMACNA 006-2006 HVAC Duct Construction Standards Eli P. Howard, III  
Sheet Metal and Air Conditioning Contractors' National Association.  
Documents Preceding 3rd Edition ...

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dampers, smoke dampers, combination fire/smoke dampers, and ceiling dampers. Building codes require this

## **ANSI/SMACNA 006-2006 HVAC Duct Construction Standards**

SMACNA makes no guaranty or warranty as to the accuracy or completeness of any information published herein. 6.

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APPLICATION a) Any standards contained in this publication were developed using reliable engineering principles and research plus consultation ... reference guide. The information it contains is organized and presented in three discrete ...

## **SMACNA CAD STANDARD**

Located in headquarters outside

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Washington, D.C., the Sheet Metal and Air Conditioning Contractors' National Association (SMACNA), an international association of union contractors, has 1,834 members in 103 chapters throughout the United States, Canada, Australia and Brazil.

**[smacna.org](http://smacna.org) - Sheet Metal and Air**



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## **Conditioning Contractors ...**

19.4.1 Each damper shall be tested and inspected 1 year after installation.

-19.4.1.1 The test and inspection frequency shall then be every 4 years, except in hospitals, where the frequency shall be every 6 years. 19.4.4 If the damper is equipped with a fusible link, the link shall be removed for testing to

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ensure full closure and lock-in-

## **Fire, Smoke, and Radiation Dampers - ASHRAE® Iowa**

SMACNA Fire, Smoke and Radiation Damper Installation Guide for HVAC Systems and in NFPA90A. If a breakaway style duct/sleeve connection is not used, the Sleeve shall be a minimum of 16

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gage (1.6) for dampers up to 36" (914) wide by 24" (610) high and 14 gage (1.9) for dampers exceeding 36" (914) wide by 24" (610) high. Damper sleeve shall not extend

**INSTALLATION INSTRUCTIONS**  
**(D)IBD2/OW and (D)IBD2SS/OW FIRE**  
...

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Content Description. An application and installation study guide for architects, engineers, code officials, manufacturers and contractors outlining their respective responsibilities mandated by the model codes. Covers fire dampers, breakaway connections, combination fire and smoke dampers, framing of structural openings, contract plan

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marking, installation instructions and special applications.

## **Fire, Smoke and Radiation Damper Installation Guide for ...**

The Fire, Smoke and Radiation Damper Guide (5th edition) also summarizes installation details. Checklists are included for ductwork and fire dampers.

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Valuable as a study guide for the HVAC Duct Construction Standards manual and for learning inspection procedures in general.

## **HVAC Duct Systems Inspection Guide | SMACNA**

Smoke and Radiation Damper Installation Guide for HVAC Systems and

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in NFPA90A. If a breakaway style duct/sleeve connection is not used, the sleeve shall be a minimum of 16 gage (1.6) for dampers

### **INSTALLATION INSTRUCTIONS FSD35, FSD36 AND FSD37 ...**

The maximum single section multi-blade damper is 36" x 48" (914mm x1219mm)

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in vertical or horizontal mountings For Dynamic Systems the maximum single section curtain damper is 36" x 36" (914mm x 914mm) in vertical mountings and 18" x 18" (457mm x 457mm) in horizontal mountings, based on type "A" dampers.

**Fire Dampers (Static & Dynamic) -**



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## **E.H. Price**

DAMPER SLEEVE: Sleeves shall be of the SAME GAUGE or heavier as the duct to which it is attached, if one of the breakaway connections is used as defined in the SMACNA Fire, Smoke and Radiation Damper Guide for HVAC Systems and in NFPA 90A. Gauges shall conform to SMACNA or ASHRAE duct

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standards.

## **INSTALLATION INSTRUCTIONS FOR CURTAIN TYPE STATIC FIRE ...**

FIRE, SMOKE AND RADIATION DAMPER  
INSTALLATION GUIDE FOR HVAC  
SYSTEMS SHEET METAL AND AIR  
CONDITIONING CONTRACTORS'  
NATIONAL ASSOCIATION, INC

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## **(PDF) FIRE, SMOKE AND RADIATION DAMPER INSTALLATION GUIDE ...**

Dampers outside of these restrictions (i.e.) multiple damper and special size and application dampers must use a 4" wide drawband connection as shown in the SMACNA Fire, Smoke, and Radiation Damper Installation Guide. 1. Perimeter

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mounting angles to be a minimum of  
1-1/2 x 1 -1/2 x 16GA on dampers 36 x  
50 and smaller.

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