

## Smacna Fiberglass Duct Construction Standards

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### Smacna Fiberglass Duct Construction Standards

SMACNA has discontinued the pressure sensitive tape standards AFTS 100 and 101. Underwriters Laboratories Standard 181A supersedes them. The omission of rigid round duct and tensided duct and 1400 EI board construction details is solely due to infrequent use and is not intended to discourage their use.

### Fibrous Glass Duct Construction Standards - SMACNA

HVAC Duct Construction Standards Metal and Flexible • Third Edition iii FOREWORD This Third Edition of the SMACNA commercial metal and flexible duct construction standards is another in a long line dating from the 1950s. A quick overview of the changes is provided in the front of this manual.

### HVAC DUCT CONSTRUCTION STANDARDS

If the designer does not designate pressure class for duct construction on the contract drawings, the basis of compliance with the SMACNA HVAC Duct Construction Standards is as follows: 2" (500 Pa) w.g. for all ducts between the supply fan and variable volume control boxes and 1" (250 Pa) w.g. for all other ducts of any application.

### HVAC Duct Construction Standards

Information Required for Duct Construction 1. A comprehensive duct layout indicating sizes, design airflows, pressure class, and routing of the duct system. 2. The types of fittings to be used based on the designer's calculations of fitting losses (i.e., square versus 45 ° entry taps, conical versus straight taps, etc.).

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

These duct construction standards are intended for use by contractors, fabricators and designers of air pollution control, pneumatic conveyance and industrial ventilation systems. The 1980 edition of these standards was the first publication dealing with the selection of duct gauge and reinforcement for rectangular industrial duct systems.

### RECTANGULAR INDUSTRIAL DUCT CONSTRUCTION STANDARDS

the SMACNA HVAC Duct Construction Standards, 2nd ed., 1995,and therefore both options have been shown. The results of these certified tests which permit the variation are shown on the back page of this manual. Also, both options have been shown, so as to provide this manual as a quick reference to SMACNA Standards.

### Duct Construction Standards

ASTM and SMACNA standards are the benchmark for fabrication of our FRP products, including: ASTM ( American Society of Testing and Materials ): ASTM D3299 , Standard Specification for Filament-Wound Glass-Fiber-Reinforced Thermoset Resin Corrosion-Resistant Tanks

### Fiberglass Duct • FRP Fabrication Standards

This American National Standard (ANSI/SMACNA 006-2006) contains tables and details for constructing ductwork for ½" to 10" wg positive and negative pressures. This edition improves upon the second edition with expanded pressure class tables, separate tables for TDC/TDF construction and expanded tables for round duct construction including 6" wg positive and negative pressure and sizes up to 96".

### HVAC Duct Construction Standards - Metal and Flexible

An international trade association representing 4,500 contributing contractor firms, that promotes quality and excellence in the sheet metal and air conditioning industry within North America. Provides a list of members, benefits, news and resources.

### smacna.org - Sheet Metal and Air Conditioning Contractors ...

Technical Resources. Technical standards and manuals developed by SMACNA members have worldwide acceptance by the construction and code community, as well as local and national government agencies. ANSI, the American National Standards Institute, has accredited SMACNA as a standards-setting organization. SMACNA standards and manuals address all facets of the sheet metal and HVAC industry - including duct construction and installation, indoor air quality, energy recovery, roofing and ...

### Technical Resources - SMACNA

Fibrous glass duct shall be of type (475) (800) and shall be of (1 ¼ (25.4 mm)) (1112" (38.1 mm)) thickness conform to the SMACNA Fibrous Glass Duct Con struction Standards, 6th Edition, 1992 (FGDS-9) or the TIMA Fibrous Glass Duct Construction Stan dards, 1 st Edition, 1989 (TFGDS-89).

### By Authority Of

A, Codes and Standards that are Standard at the University: 1. SMACNA Standards: Fabricate, support, install, and seal in accordance with SMACNA's "HVAC Duct Construction Standards, Metal and Flexible". 2. ASHRAE Standards: Comply with ASHRAE Fundamentals Handbook and ASHRAE Systems and Equipment for design and fabrication of ductwork. 3.

### 5.23.31 - HVAC DUCTS DESIGN AND CONSTRUCTION STANDARD

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### Store

Covers design procedures for the manufacture and installation of round duct systems ranging from 4 to 72 inches in diameter and rectangular duct systems ranging from 12 to 96 inches in width and depth, operating at a static pressure within a range from -30 to +30 inches w.g. and within a temperature range from ambient to 180 degrees F. Includes soft metrics.

### Thermoset FRP Duct Construction Manual | SMACNA

Rectangular ducts covered by this Standard are designed to operate at 2" w.g. (500 Pa) static pressure or less and 2,400 feet per minute (12 m/sec) internal air velocity or less. Other duct configurations have been qualified for higher

### FIBROUS GLASS DUCT CONSTRUCTION STANDARDS

This Standard is intended to expand references to fibrous glass materials and installation methods in HVAC Duct Construction Standards - Metal and Flexible, first edition, 1985, seventh printing (1989), published by the Sheet Metal and Air Conditioning Contractors National Association (SMACNA), in particular, pages 2-25 through 2-31.

### FIBROUS GLASS DUCT LINER STANDARD

All members receive Through the Duct, the SMACNA-Western Washington newsletter. Technical standards and manuals, developed by SMACNA Contractors have found worldwide acceptance by the construction community, and are accredited by ANSI, the American National Standards Institute, as a standards-setting organization, are available at the member ...

### Member Benefits | SMACNA-Western Washington

These duct construction standards are intended for use by contractors, fabricators, and designers of air pollution con-trol, pneumatic conveyance, and industrial ventilation systems. The 1977 edition of these standards was the first publication dealing with the selection of duct gage and reinforcing systems for industrial duct applications.

### ROUND INDUSTRIAL DUCT CONSTRUCTION STANDARDS

Reference Note:The NAIMA Fibrous Glass Duct Construction Standard and the SMACNA Fibrous Glass Duct Construction Standard - 7th Edition are functionally interchangeable. However, the NAIMA Standard contains optional methods of fabrication compared to the SMACNA Standard and will serve as the primary technical reference throughout

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