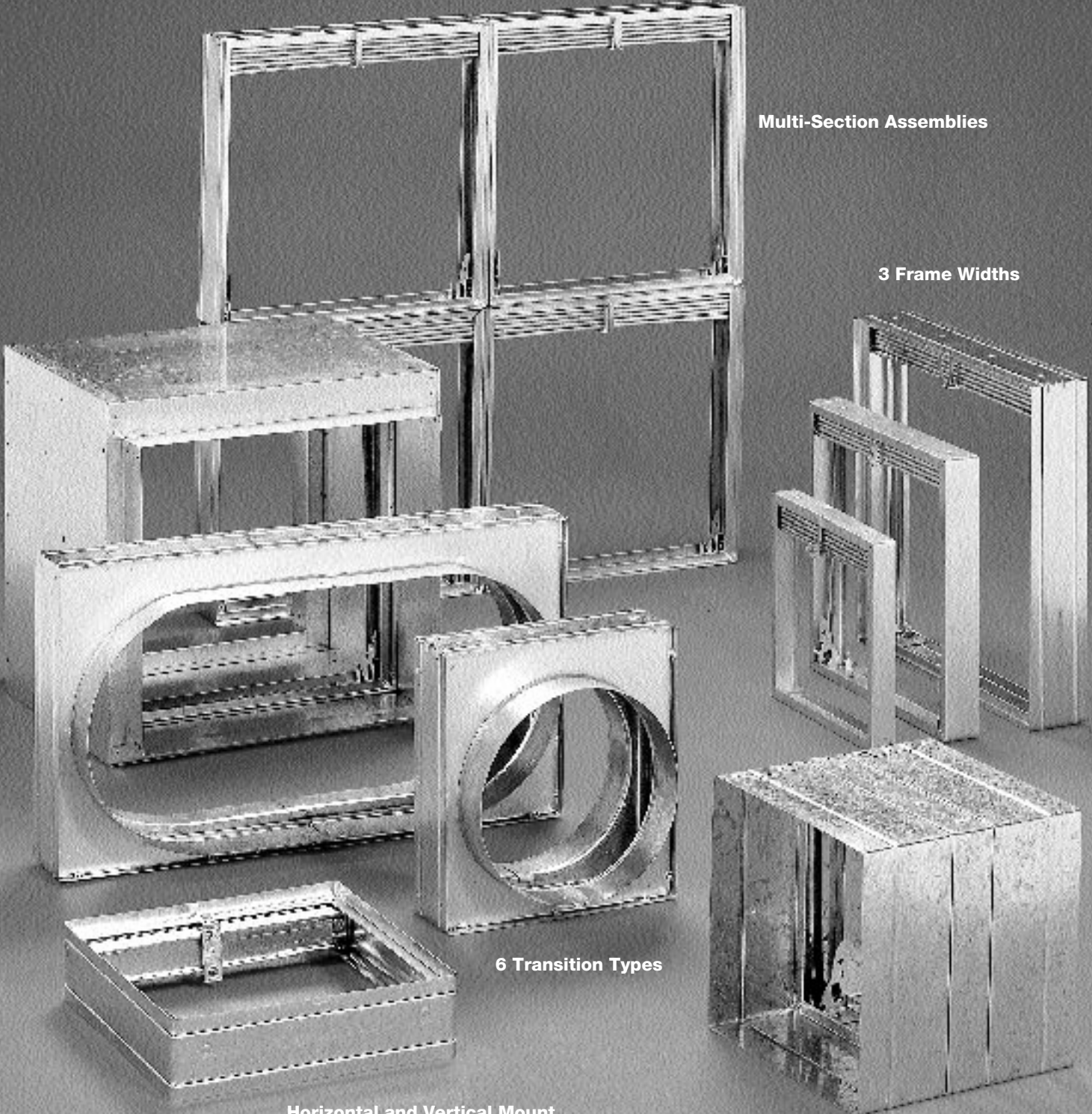




FIRE DAMPERS

DYNAMIC AND STATIC RATED



Multi-Section Assemblies

3 Frame Widths

6 Transition Types

Horizontal and Vertical Mount

Factory Sleeved Models

- **Over 150 Models**
- **Guaranteed Rush Shipping Programs**
- **Greenheck Quality and Service**

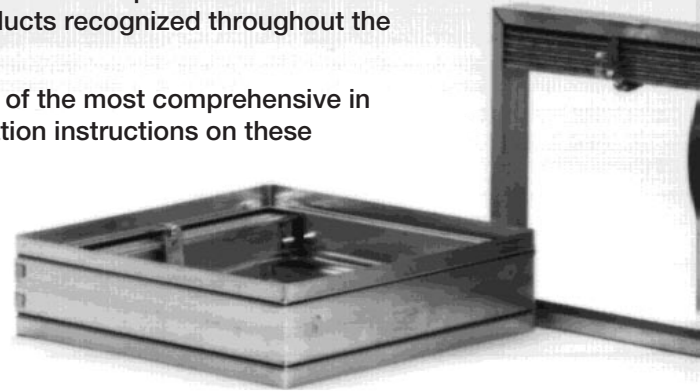
DFD (dynamic rated) and FD (static rated) FIRE DAMPERS

Development of the Greenheck Fire Damper line has been guided by traditions of quality engineering that have been Greenheck's trademark for over 50 years. These traditions have produced a comprehensive line of air moving and fire safety related damper products recognized throughout the industry for their quality.

With over 150 models available, Greenheck's Fire Damper line is one of the most comprehensive in the industry. Individual specifications, performance data and installation instructions on these products are designed to simplify selection.

This catalog presents a condensed overview of the entire Greenheck Fire Damper line.

Please contact your Greenheck Damper and Louver Representative or Greenheck for detailed information, application, selection or purchase assistance.

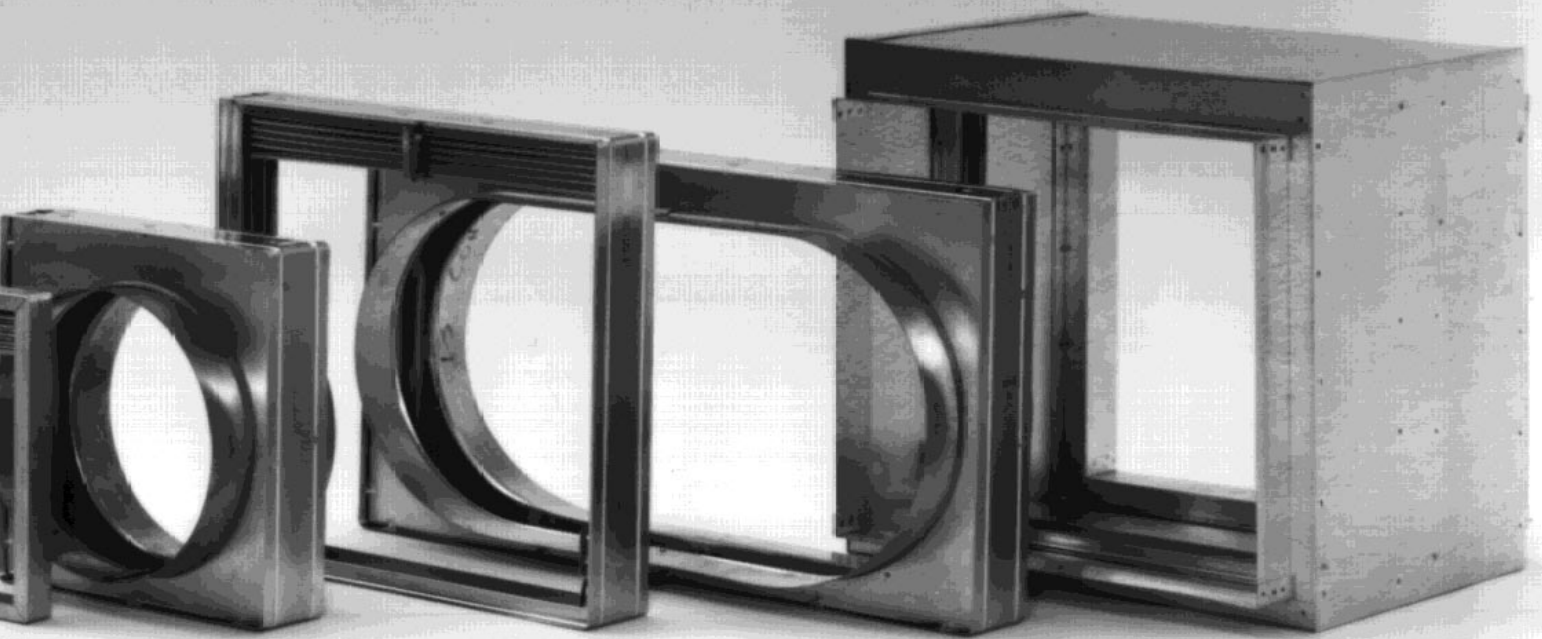


Product Overview

Greenheck offers over 150 fire damper models to meet all applications. The chart below summarizes the Greenheck Fire Damper product line showing models with available options. Detailed specification sheets are available for each fire damper model with comprehensive information covering ratings, code qualifications, application, construction, assembly, installation, performance and dimensional limits.

Frame Style	Damper Model				Transition Type						Mounting		Material	
	Dynamic		Static		A	B	C	CO	CR	R	Vert.	Horz.	Galv.	304ss
	1½ Hr	3 Hr	1½ Hr	3 Hr										
Standard Frame (3 ¹¹ / ₁₆ " deep) <i>Low Pressure</i>	DFD-150	DFD-350	FD-150	FD-350	•	•	•	•	•	•	•	•	•	•
Standard Frame (3 ¹¹ / ₁₆ " deep) <i>High Pressure</i>	DFD-155	DFD-355	FD-155	FD-355			•	•	•		•	•	•	•
Damper & 20 Ga. Sleeve (12", 14" or 16" long)	DFD-150X12 DFD-150X14 DFD-150X16		FD-150X12 FD-150X14 FD-150X16		•	•	•	•	•	•	•	•	•	
Narrowline Frame (2 ³ / ₁₆ " deep)	DFD-110	DFD-310	FD-110	FD-310		•	•				•	• ¹	•	
Ultrathin Frame (1½" deep)			FD-100	FD-300		•	•				•		•	

¹ 3 hour narrowline fire dampers are available for vertical mounting only.



FIRE DAMPER MODEL NUMBER CODE

The fire damper model number consists of 5 to 7 individual components that make up a specific fire damper's construction. The model number breakdown and corresponding explanation of each component help insure the correct fire damper selection for your application. 2

DFD - 150 X12 - A H

① ② ③ ④ ⑤ ⑥ ⑦

① CLOSURE RATING

DFD (dynamic)

For use in HVAC systems that are operational in the event of fire.

FD (static)

For use in HVAC systems that are automatically shut down in the event of fire.

② FIRE RESISTANCE RATING

1 (1 ½ hour)

For use in walls, floors and partitions with fire resistance ratings of *less than 3 hours*.

3 (3 hour)

For use in walls, floors and partitions with fire resistance ratings of *3 hours or more*.

③ FRAME STYLE (depth)

0 = Ultrathin - 1 ½"

1 = Narrowline - 2 ¾"

5 = Standard - 3 11/16"

④ PRESSURE RATING

0 = Low to Medium

SMACNA Pressure Classes up to 2" w.g.

5 = High

SMACNA Pressure Classes up to 3" w.g. or higher and Seal Classes A or B

⑤ DAMPER WITH OPTIONAL 20 GA. SLEEVE

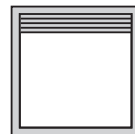
(Economical factory assembled damper with sleeve)

X12 = 12" long

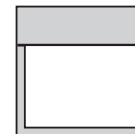
X14 = 14" long

X16 = 16" long

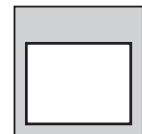
⑥ TRANSITION TYPE



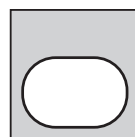
Type A



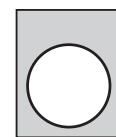
Type B



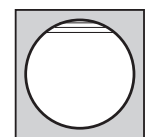
Type C



Type CO



Type CR

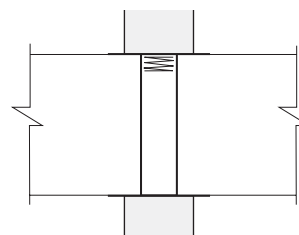


Type R

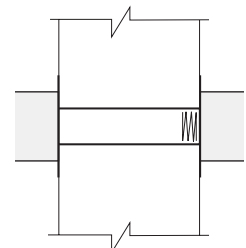
⑦ MOUNTING

(Only required for static rated dampers. Dynamic rated dampers can be mounted in either position.)

V
(vertical)



H
(horizontal)



Nobody Delivers Fire Dampers like Greenheck!

State of the art production, order handling, and communication allows Greenheck to manufacture and ship many fire damper orders within the next business day.

Three strategically located Greenheck manufacturing facilities can deliver your fire damper orders faster to a greater percentage of the USA than any other manufacturer. This is based on a better than 98% on time shipping record.



Guaranteed Rush Shipping Programs

Next Day Service

Your fire damper order can be shipped and on the way to your jobsite the day after you place it. This program applies to the most commonly used fire damper models. They are manufactured to your size requirements and shipped the next business day after the order is received for only a nominal charge.

Three & Five Day Service

Orders needed ahead of the standard two to three week production cycle, not requiring next day service, can be manufactured and shipped in three or five days. These orders will ship on the third or fifth business day after receipt. The Three and Five Day programs include a broader range of products and increased quantities over the next day program.

Your local Greenheck representative can provide more information on these programs. For the number of the Greenheck Damper and Louver representative serving you, call Greenheck at (715) 359-6171.

Warranty

Greenheck warrants this equipment free from defects in material and workmanship for a period of one year from the purchase date. Any units or parts which prove defective during the warranty period will be replaced at our option when returned to our factory, transportation prepaid.

Greenheck will not be responsible for any installation or removal costs.

