

*NuVent's CFRD Series combines its popular Contractor Fans with Ceiling Radiation Dampers. Designed to protect the integrity of 3-hour fire-rated ceilings, the CFRD Series meets UL Standard 555C, and may be removed to allow easy motor replacement. The CFRD Series is available with 50 or 70 CFM fans, housings with multiple ducting options, and features NuVent's patented curved grille design offering efficient airflow and contemporary style.*



# CFRD SERIES

## CONTRACTOR FANS WITH CEILING RADIATION DAMPERS



**CFRD Series Fan**  
*The profession's choice for fire safety.*

*Radiation Damper assembly and sleeve are removeable to allow easy motor replacement.*

### FAN HOUSING

- one piece, heavy gauge (.024) galvanized steel
- larger wiring compartment provides easy access and installation
- mounts directly to joist with mounting tabs
- housing available with 3" metal or plastic duct collar or 4" plastic duct collar
- extended discharge collar with built-in backdraft damper

### MOTOR/GRILLE

- available in 50 CFM or 70 CFM models
- plug-in, permanently lubricated motor rated for 120 volts 60 Hz operation
- removable motor plate with easy slide-in mounting
- attractive curved grille for efficient airflow and contemporary style
- larger grille covers more of rough-in area
- grille mounts directly to damper with torsion springs
- UL listed for use in tub/shower with GFI branch circuit wiring

### CEILING RADIATION DAMPER

- UL tested and labeled (UL Standard 555C) for use in 1-, 2-, and 3-hour floor-ceiling and roof-ceiling constructions
- removeable damper assembly and sleeve to allow easy motor replacement
- UL approved insulation blanket constructed of non-asbestos, high temperature reinforced fiber thermal curtain
- heat sensitive 165°F replaceable fusible link
- .024 galvanized steel frame

### About Ceiling Radiation Dampers

*Hourly-rated floor/ceiling membranes are designed to protect a structure from heat and subsequent potential collapse. Vented fans installed in these assemblies penetrate the fire-resistive membrane. To protect the ducted opening against the spread of heat and fire, many local codes require the installation of a ceiling radiation damper. Installed between the housing and the grille, the damper employs an insulation blanket which closes off the opening in an emergency by means of a heat-sensitive, fusible link. NuVent's Ceiling Radiation Damper meets UL Standard 555C and is labeled for use in fire-resistive floor/ceiling membranes.*

*For ordering information, see reverse.*






# CONTRACTOR FANS WITH CEILING RADIATION DAMPERS

## Ordering Information

The CFRD Series is ordered in three parts.

The housing and the motor/grille are available only in contractor/master packs of 6 each.

The Radiation Damper is available individually or in master packs of 6.

1. Fan Housing	2. Radiation Damper	3. Motor/Grille
 <p>Select the housing pack with the appropriate duct collar (3" or 4" discharge, plastic or metal duct) for your job. All housings come pre-wired.</p>	 <p>The Radiation Damper fits any of the housings described at left. The radiation damper and sleeve may be removed to allow easy motor replacement.</p>	 <p>Select either a 50 CFM or a 70 CFM motor/grille pack. Specification for both motors are listed in the chart below.</p>
<b>ORDER ONE OF THE FOLLOWING:</b>	<b>ORDER:</b>	<b>ORDER ONE OF THE FOLLOWING:</b>
<b>503/703A</b> six housings with 3" plastic duct collars <b>503MTL</b> six housings with 3" metal duct collars <b>504/704A</b> six housings with 4" plastic duct collars	<b>NXCFRD: radiation damper</b> (available individually or in master packs of six)	<b>503B</b> six 50 CFM motors and grilles <b>703B</b> six 70 CFM motors and grilles

Fan Housing: 7 5/8" x 8 1/16" x 3 3/4"

Radiation Damper: 7 1/4" x 7 5/8" x 8 1/16"

Grille: 10 1/4" x 10 1/4"

### FAN MOTOR SPECIFICATIONS

Fan Model	Air Delivery	Sones	Amps	Bath Size	Other Rooms
503	50 CFM	4.0 sones	0.90	45 sq ft	60 sq ft
703	70 CFM	5.5 sones	1.80	65 sq ft	85 sq ft



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- Super Quiet Fans & Fan-Lights (SS Series)
- Deluxe Round Grille Fans & Fan-Lights (MR Series)
- Square Grille Fans & Fan-Lights (MS Series)
- Plastic Fans for Damp Locations (PF Series)
- Contractor's Choice Fans (CF Series)
- Directional Heat Discharge™ Heat/Vent/Light Combination Units (DHVL Series)
- Heat/Vent/Light Combination Units (HVL Series)
- Bulb Heaters (BH Series)
- Ventilation Accessories & Replacement Parts

Look for the following innovative design features only available from NuVent:  
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