

Damper Product Line

Selection • Construction • Performance



**DODGE ENGINEERING
& CONTROLS, INC.**

Your Complete Solution

DAMPERS



Curtain Fire Dampers

UL 555 rated models with either galvanized or 304 stainless steel construction. Fire resistance ratings of either 1 1/2 or 3 hours. We offer Severe Environment Dampers and Marine Dampers in many models.



Model FD: Static Rated

Model FDR: Round Static Rated

UL 555 rated models for use in HVAC systems that are automatically shut down in the event of a fire emergency. Available in three frame widths: standard, narrowline, and ultra thin, with optional sleeves and transitions.



Model DFD: Dynamic Rated

Model DFDR: Round Dynamic Rated

UL 555 rated models tested to close under airflow, and rated for use in HVAC systems that are operational in the event of a fire emergency. Fire dampers can be mounted either vertically or horizontally with airflow in either direction.

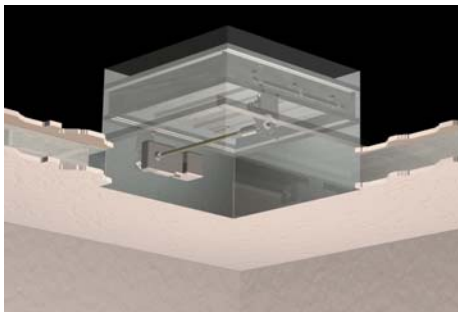
Combination Fire Smoke Dampers

Available in 3V blades for use in systems up to 2000 fpm and 4 in. wg or airfoil blades for use in systems up to 3000 fpm and 4 in. wg. All models have been tested and are labeled in accordance with UL 555 and UL 555S. Fire resistance ratings of either 1 1/2 or 3 hours and leakage class ratings of I, II, or III. We offer Severe Environment Dampers and Marine Dampers in many models.



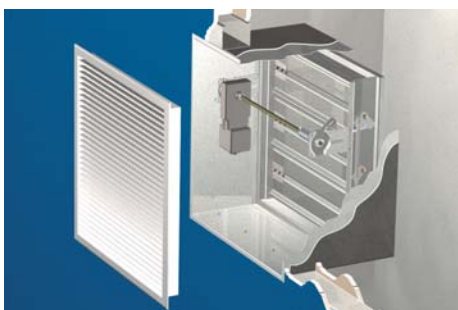
Model FSD/FSDR: Traditional Fire Smoke

Classified to UL 555 and UL 555S and must be mounted within the plane of the wall or floor. Rated for airflow and leakage in either direction. Galvanized and 304 stainless steel construction available. Electric and pneumatic actuators.



Model CFSD: Corridor Fire Smoke

Models each with three mounting configurations available. 1 hour Corridor Fire Resistance Rating and UL 555S Leakage Rating. Can be installed horizontally behind grilles and diffusers in corridor penetrations with ratings for airflow and leakage in either direction. Galvanized and 304 stainless steel construction available. Electric and pneumatic actuators.



Model OFSD: Out Of Wall Fire Smoke

Classified to UL 555 and UL 555S and can be installed outside of the plane of the wall or floor. This allows the actuator to be mounted internally with convenient access to the damper, actuator, and heat responsive device through the grille. The entire installation can be done from the grille side of the opening. Rated for airflow and leakage in either direction. Electric and pneumatic actuators.

Smoke Dampers

Available in 3V blades for use in systems up to 2000 fpm and 4 in. wg or airfoil blades for use in systems up to 3000 fpm and 6 in. wg. All models have been tested and are labeled in accordance with UL 555S. The models are available in leakage class I, II, or III. We offer Severe Environment Dampers in many models.

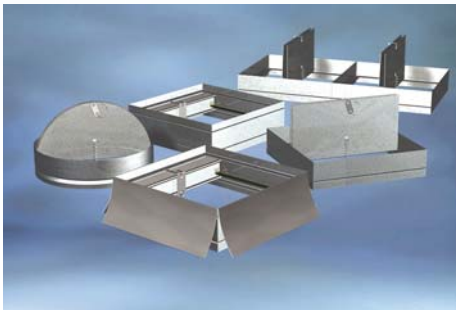


Models SMD/SMDR

Galvanized and 304 stainless steel construction available. Electric and pneumatic actuators.

Ceiling Radiation Dampers

Models are available in round or rectangular shapes with butterfly type blades or a curtain blade.



Model CRD

All models have been tested and are labeled in accordance with UL 555C, for protection of ceiling openings in fire rated floor/ceiling assemblies with fire resistance ratings of 3 hours or less. In addition, Greenheck CRDs are Warnock Hersey listed for application in gypsum ceilings or ceiling grid systems with fire resistance ratings of up to 3 hours.

Access Doors

Access doors are designed for use in low to medium pressure duct systems. They provide a durable, practical, and inexpensive means of gaining access to damper components inside the ductwork.



Model HAD: *Hinged Style*

Model CAD: *Cam Style*

Model RAD: *Round Style*

Backdraft Dampers

Designed to allow airflow in one direction and prevent reverse airflow. Models are available with many different mounting orientations, airflow directions, operation types, and performance ratings.



Models WD/ES/EM/HB

Exhaust Dampers

Exhaust backdraft damper models are designed to allow exhaust airflow but prevent airflow in the reverse direction. Typically used with a fan or power roof exhauster. Vertical or horizontal mount.

Intake Dampers

Intake backdraft damper models are designed to allow supply airflow into a building but prevent airflow in the reverse direction. Typically used with a fan or gravity intake ventilator. Vertical or horizontal mount.



Commercial Control Dampers

Models are available in 3V, extruded airfoil, fabricated airfoil, and round blade designs. Galvanized, aluminum, or 304 stainless steel. Variety of electric two position, modulating, and pneumatic actuators. We offer Severe Environment Dampers in many models.



Model VCD: 3-V Blade Type

Typically used in low to medium pressure and velocity systems. Fabricated blades are reinforced with 3 longitudinal structurally designed vee's. Available with blade and jamb seals for low leakage applications.

Model VCD: Airfoil Blade Type

Typically used in medium to high pressure and velocity systems. Airfoil blade with structural reinforcement through the entire length. All of these models include blade and jamb seals for low leakage and ultra-low leakage applications.

Model VCDR/VCDRM: Round Blade Type

Typically used in low to medium pressure and velocity systems. Available with blade and jamb seals for low leakage applications. The VCDRM incorporates an insert type multi-blade and the VCDR damper uses a single blade.

Manual Balancing Dampers

Both round and rectangular single blade construction, as well as multi-blade construction models are available. Designed to regulate the flow of air in an HVAC system. They are not intended to be used in applications as a positive shut off or for automatic control.



Models MBD/MBDR

Models come standard with a locking manual quadrant. An optional standoff bracket is available for installations using insulated duct.

Industrial Control Dampers

Heavy duty flanged style frame dampers with various blade styles and pressure classes. Designed to control airflow and provide shut off in HVAC or industrial process control systems. We offer Severe Environment Dampers in many models.



Model HCD: Rectangular

Rectangular dampers are available with pressure and velocity capabilities up to 45 in. wg and 6000 fpm, respectively.

Model HCDR: Round

True round industrial dampers are available for pressure and velocity capabilities up to 20 in. wg and 6500 fpm, respectively.

Model IVDE: Inlet Vane

Typically mounted to the inlet flange of an industrial fan to more efficiently control the amount of airflow entering the fan. Available with manual, electric, or pneumatic actuators. Maximum operating temperature is 200°F.

Louvers and Other Damper Types Available



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196 Riverneck Road, Chelmsford, MA 01824 USA

Toll Free (877) 334-2875 • Fax (978) 244-1422 • www.DEIControls.com