



Built Stronger To Last Longer

Honeywell Has A Solution For All Of

HVAC performance depends largely upon airflow, and Honeywell Volume Control Dampers are built for both improved airflow and heavy-duty use. Honeywell has long been the leading source for airflow control, with Volume Control Dampers that meet AMCA-certified Air Performance Standards, the highest established standards for commercial control dampers. Designed to minimize leakage, Honeywell dampers will give you efficient, trouble-free operation for years to come.

Standard Rectangular Dampers



Durable construction details are the cornerstone of Honeywell D1, D2 and D3 Volume Control Dampers. They feature heavy-duty hat channel frames for dependable operation inside ductwork. And all models have low-profile top and bottom frames, creating more free area while reducing pressure loss and reducing actuator torque.

The Right Choice

There's a Honeywell Volume Control Damper that's just right for your application. The D1 airfoil extremely low leakage damper presents a lower resistance to airflow typically used in high pressure systems. The D2 ultra-low leakage damper keeps leakage to a minimum with blade and jamb seals, and is designed for medium- to high-pressure and velocity systems. The D3 low leakage damper is ruggedly built for applications in medium pressure and velocity systems.

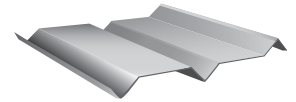
Blade Design

Airfoil Blades - D1 Dampers

Honeywell Airfoil Volume Control Dampers feature blades constructed of double skin galvanized steel. This design presents a lower resistance to airflow and has strength that is typically used in high pressure systems.

3-V Blades - D2 and D3 Dampers

Honeywell Volume Control Dampers feature a 3-V design that's proven to meet higher-level system requirements while minimizing flow-through system loss. Blades are fabricated from a single thickness of 16-gauge galvanized steel with three horizontal structural V-grooves running the length of the blade.



Applications And Operation

Honeywell Volume Control Dampers are designed to control airflow volume in medium- to high-pressure and velocity HVAC systems. Typical applications include volume control of airflow in zoning, air handler unit or economizer applications. Dampers are designed to operate with a wide range of Honeywell electric and pneumatic actuators. Operating range is from 2000 to 4000 fpm, and 2.5 to 6 inch wg. Spring return and non-spring return actuators are available with a wide range of output torque ratings to deliver the precise power needed for your damper application.

Certified Performance

Honeywell certifies that models D2 and D3 are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Programs. The AMCA Certified Ratings Seal applies to air performance ratings only.

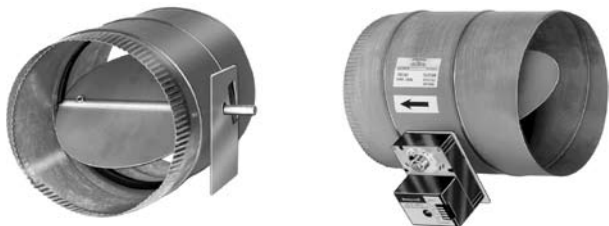
	Material			Frame Gauge			Blade Seals		Bearings			Axles		Linkage Material		Flange			
	Galvanized	Stainless	Aluminum	16	14	12	Vinyl	Silicone	Synthetic	Bronze	Stainless	Steel	Stainless	Steel	Stainless	None	Single	Double	Reverse
S — Standard O — Optional																			
D1 Airfoil Extremely Low Leakage Volume Control Damper	S	O	n/a	S	O	O	n/a	S	S	O	O	S	O	S	O	S	O	O	O
D2 Ultra-Low Leakage Volume Control Damper	S	O	O	S	O	O	S	O	S	O	O	S	O	S	O	S	O	O	O
D3 Low Leakage Volume Control Damper	S	O	O	S	O	O	n/a	n/a	S	O	O	S	O	S	O	S	O	O	O

For a copy of the specification sheet the D1 (63-2671) or D2 and D3 (63-2398), visit customer.honeywell.com.

Your HVAC Damper Needs

Standard Round Dampers

D690 and DM7600 Round Dampers. The 6" to 16" round dampers are used in zoning systems to control airflow in a round duct. These dampers come with neoprene and silicone seals for tight close off and low leakage. The DM7600 includes an actuator that is already attached to the round damper.



Custom Dampers

Need a custom damper? Contact the Take-Off Service. Below is a sample list of the products we frequently quote.

Custom Rectangular Dampers

Number	Description
VCD34	Galvanized Insulated Airfoil Damper
VCD40	Aluminum Narrow Frame Airfoil Damper
VCD42	Aluminum Airfoil Damper (Galvanized Frame)
VCD43	Aluminum Airfoil Damper
VCD45	Aluminum thermally broken insulated Damper

Custom Round Dampers

Number	Description
VCDR53	Galvanized Round Damper – to 24 inches
VCDRM53	Galvanized Round Multi-Blade Damper – to 36 inches

Specification Take-Off Service

1. Submit your information in one of the following ways:
 - a) Email to takeoff.service@honeywell.com (preferred)
 - b) Fax toll-free to 1-877-880-3386 (local: 1-612-951-1238)
2. Include your desired turn-around time.
3. Take-Off Service staff will send you a confirmation that your email or fax was received.

We always attempt to have your request finished as soon as possible. Please note, however, that the quality of the submitted information largely determines the turn-around time. We will work closely with you to ensure that we have enough information to move forward as quickly as possible.

4. A final product schedule document will be returned to you following take-off completion.

Included In the Final Take-Off Document

We send a comprehensive spreadsheet, which contains:

- A complete product schedule
- Base price
- Directions on how to order Honeywell products
- Links to product submittals
- Quote identification number

Questions

If you have questions about the Honeywell Take-Off Service, please call the dedicated Take-Off Service phone number or email us at takeoff.service@honeywell.com.

Don't see what you need?

Take-Off Service Contact Information:

Toll-free: 1-888-664-4092

Local: 1-612-951-1027



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