

CFMTM
CONTINENTAL FAN

Wholesale Ventilation Products



... better AIRFLOW by DESIGN!

CONTROLS, GRILLES & ACCESSORIES

DFC DIGITAL FAN CONTROL

Indoor Air Quality (IAQ) has become an important part of our everyday lives. IAQ affects us in the workplace, schools and more significantly, in our homes. The American Society of Heating, Refrigeration and Air-Conditioning Engineers publishes ASHRAE 62.2, a standard that defines the minimum ventilation requirement and acceptable indoor air quality in low-rise residential buildings.

The DFC Digital Fan Control uses smart technology to address the requirements of ASHRAE 62.2, and it is capable of automatically calculating the airflow required to achieve acceptable indoor air quality. It is designed to provide increased ventilation control that is efficient and affordable. Its unique architecture offers a choice of five distinct modes of operation, allowing the control to be programmed to suit a user's preference and lifestyle. When combined with an AXC In-Line Duct Fan, the DFC Digital Fan Control provides an excellent way of meeting IAQ standards.

FEATURES & BENEFITS

- Easy to install
- Simple to program
- Convenient display with backlight
- User friendly icons
- Easy to read digital clock
- Automatic Daylight Savings Time function
- ASHRAE 62.2 ventilation standard
- Promotes proper Indoor Air Quality (IAQ)
- Ideal for home & bathroom ventilation
- Available in white or ivory
- Designed for single-speed fan operation
- Five year warranty



MODES OF OPERATION

The DFC Digital Fan Control allows the user to choose from five modes of operation:

1. Ventilation Mode



The Ventilation Mode is designed to achieve ASHRAE 62.2 acceptable indoor air quality. In this mode, the fan control operates on a 60-minute cycle, automatically determining the percentage of run time based on floor space, number of rooms and fan capacity. For example, if the fan is On for 15 minutes, it will be Off for 45 minutes.

2. Customized Cycle Mode



The Customized Cycle Mode allows the user to set the On and Off periods for the fan. Once selected, the control will cycle the fan automatically based on the user's preference.

3. Daily On/Off Mode



The Daily On/Off Mode allows the user to program the fan to turn On and Off once a day, at user-defined times.

4. Manual Mode



In the Manual Mode, the control operates the fan like a regular on/off switch. Simply pressing the main button turns the fan On or Off.

5. Countdown Mode



The Countdown Mode allows the fan to operate for any period between 10 and 60 minutes. At the end of the countdown period, fan operation will return to its prior programmed mode.

VENTILATION AIR REQUIREMENTS (CFM)

Bedrooms	Floor Area (ft ²)					
	< 1,500	1,501 - 3,000	3,001 - 4,500	4,501 - 6,000	6,001 - 7,500	> 7,500
0-1	30	45	60	75	90	105
2-3	45	60	75	90	105	120
4-5	60	75	90	105	120	135
6-7	75	90	105	120	135	150
>7	90	105	120	135	150	165

Table 4.1A, ASHRAE 62.2-2007

CONTROLS



VARIABLE SPEED CONTROLS (SOLID STATE)

VSC3 and VSC9 variable speed controls are designed for AC motors.

- VSC3 Variable Speed Control (Knob-Style) - 3 amp - 3 Wire
- VSC9 Variable Speed Control (Knob-Style) - 9 amp - 3 Wire
- DVSC5 Variable Speed Control (Decora Slide) - 5 amp



DIGITAL TIMERS

Time control auto shut off, in preset intervals, allows for proper ventilation and energy savings. The red LED indication light remains lit until the unit shuts off.

- DT60 Digital Timer 10 - 20 - 30 - 60 Minutes



SPRING WOUND TIMER

Spring wound timer provides energy savings by limiting the "on-time" of the fan, up to 60 minutes. CT timers are easily installed in a standard electrical box. Cover plate not included.

- CT100V Spring Wound Timer 0 - 1 Hour



ON/OFF SWITCH (W/PILOT LIGHT)

The neon light is ON when the switch is in the ON position. 15Amp, 120V Single Pole/ AC Switch. Cover plate not included.

- PLS120V ON/OFF Switch w/Pilot Light



OCCUPANCY SENSOR

Single relay occupancy sensor features 180 degree field of view with coverage up to 900 sq. ft. It turns the load on or off when activity is detected or has stopped.

- SOS125V Occupancy Sensor - 5 AMP



THERMOSTAT

The TST120V thermostat is suitable for direct connection with any resistance heating element or unit heater.

- TST120V Line Voltage Thermostat, 120V



DEHUMIDISTAT (FOR HUMIDITY CONTROL)

The adjustable sensitivity of DHST dehumidistat allows a user to prevent false cycling. The air cycle mode turns fan on/off for a set period (10, 20, 30, or 45 minutes), cycling hourly.

- DHST120V Humidity Control



CURRENT SENSOR (SOLID STATE)

The CS120VAF current sensor provides a compact, low cost method of detecting AC current. It is ideal for ON/OFF sensing of remote equipment.

- CS120AF Current Sensor, 120V, Solid State



PRESSURE SWITCH (WITH TIME DELAY)

Designed for HVAC or Energy Management applications, PST120V pressure switch is an airflow proving switch with an electronic cycle timing board.

- PST120V Pressure Switch w/Time Delay



AUTO TRANSFORMER

TF auto transformer allows for voltage to be regulated to 60V & 90V increments. Channel frame mounting and metal end shells make for a simple installation.

- TF120V Auto Transformer - 90/60V

CONTROLS, GRILLES & ACCESSORIES

GRILLES



AEROGRILLE VENTILATION GRILLES

AeroGrilles are designed for use with either in-line or external mount duct fans.

- AG150 AeroGrille 6"
- AG150-C AeroGrille 6", Collar
- AG150-CD AeroGrille 6", Collar, Damper

ADJUSTABLE VENTILATION GRILLES

Designed for ceiling or wall applications, the fully adjustable GR ventilation grilles are easy to install and adjust.



- GR100 Adjustable Grille 4", Collar
- GR150 Adjustable Grille 6", Collar
- GR200 Adjustable Grille 8", Collar
- GR100-6PK Adjustable Grille 4", Collar - 6 pcs
- GR150-6PK Adjustable Grille 6", Collar - 6 pcs

DECORATIVE VENTILATION GRILLES

These attractive grilles are designed for use with non-lighted versions of AeroFan bathroom fans.



- TGRRD90 Grille TBF90, Round Silver/Chrome
- TGRRD120 Grille TBF120, Round Silver/Chrome
- TGRSQ90 Grille TBF90, Square Silver/Chrome
- TGRSQ120 Grille TBF120, Square Silver/Chrome
- TGRCH90 Grille TBF90, Rectangular Silver/Chrome
- TGRCH120 Grille TBF120, Rectangular Silver/Chrome

ACCESSORIES



DUCT REDUCERS/INCREASERS

DRI duct reducers/increasers are used to transition a duct from a larger or smaller size. Available in 28 Ga.

- DRI-04-03 Duct Reducer/Incraser, 4" - 3" Duct, Plastic
- DRI-06-04 Duct Reducer/Incraser, 6" - 4" Duct, Galvanized
- DRI-08-06 Duct Reducer/Incraser, 8" - 6" Duct, Galvanized
- DRI-10-08 Duct Reducer/Incraser, 10" - 8" Duct, Galvanized
- DRI-12-10 Duct Reducer/Incraser, 12" - 10" Duct, Galvanized
- DRI-14-12 Duct Reducer/Incraser, 14" - 12" Duct, Galvanized



MOUNTING CLAMPS FOR RIGID DUCT

MC mounting clamps are designed for use with rigid duct. The foam neoprene layer creates an air tight installation.

- MC100 Mounting Clamps for Rigid 4" Duct (2pc)
- MC125 Mounting Clamps for Rigid 5" Duct (2pc)
- MC150 Mounting Clamps for Rigid 6" Duct (2pc)
- MC200 Mounting Clamps for Rigid 8" Duct (2pc)
- MC250 Mounting Clamps for Rigid 10" Duct (2pc)
- MC300 Mounting Clamps for Rigid 12" Duct (2pc)
- MC355 Mounting Clamps for Rigid 14" Duct (2pc)



GEAR CLAMPS FOR FLEXIBLE DUCT

GC stainless steel gear clamps easily connect a duct fan to flexible insulated duct and other auxiliary pieces.

- GC150 Gear Clamp for 4" - 6" Duct, Stainless Steel
- GC200 Gear Clamp for 5.5" - 8.5" Duct, Stainless Steel

LOUVERED SHUTTERS (WITH TAIL PIECE)

LS louvered shutters are designed as plastic molded vent hoods that prevent wind and rain from entering the vent.



- LS100-4W Louvered Shutter, 4" Duct
- LS150-6W Louvered Shutter, 6" Duct

ACCESSORIES



WYE FITTINGS

WYE fittings provide an airtight branch fitting. The crimp and bead edging ensures an easy connection.

- WYE-04 Y-Fitting, 4"x4"x4" Duct
- WYE-06 Y-Fitting, 6"x6"x6" Duct
- WYE-08 Y-Fitting, 8"x8"x8" Duct

SOUND ATTENUATORS

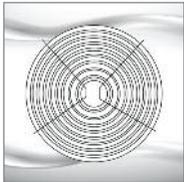
SA sound attenuators reduce fan noise traveling along ventilation ducts. Ideal for either supply or exhaust ducts.



- SA100 Sound Attenuator, 4" Duct
- SA150 Sound Attenuator, 6" Duct
- SA200 Sound Attenuator, 8" Duct
- SA250 Sound Attenuator, 10" Duct
- SA300 Sound Attenuator, 12.4" Duct
- SA400 Sound Attenuator, 16" Duct

GUARDS

Utilize a PG guard as a grille, or mount it directly on the outlet/inlet of a fan to allow for a safe installation.



- PG100 Guard, 4" Duct
- PG125 Guard, 5" Duct
- PG150 Guard, 6" Duct
- PG200 Guard, 8" Duct
- PG250 Guard, 10" Duct
- PG300 Guard, 12" Duct

ROOF CAPS

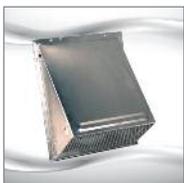
Black plastic roof caps include damper, screen, and collar. Aluminum wall caps include spring controlled damper.



- RC100 Roof Cap, 4" Duct, Black Plastic
- RC150 Roof Cap, 6" Duct, Black Plastic
- RC200 Roof Cap, 8" Duct, Black Plastic

WALL CAPS

Aluminum wall caps include spring controlled damper.



- WC100 Wall Cap, 4" Duct, Aluminum, Reducer 4" - 3"
- WC150 Wall Cap, 6" Duct, Aluminum
- WC200 Wall Cap, 8" Duct, Aluminum

FLEXIBLE INSULATED DUCT

FL models are UL-181 Class 1 air duct, wrapped with R4.2 insulation. FLM models are UL-181 and ULCS-110 M Class air duct, wrapped with 2-ply black polyester laminated inner core.



- FLM100 Flexible Insulated 4" Duct - 10' Length
- FL100 Flexible Insulated 4" Duct - 12.5' Length
- FL100-25 FLM100-25 Flexible Insulated 4" Duct - 25' Length
- FL125 FLM125 Flexible Insulated 5" Duct - 25' Length
- FL150 FLM150 Flexible Insulated 6" Duct - 25' Length
- FL200 FLM200 Flexible Insulated 8" Duct - 25' Length
- FL250 FLM250 Flexible Insulated 10" Duct - 25' Length
- FL300 FLM300 Flexible Insulated 12" Duct - 25' Length

LINT TRAP

Reduce maintenance associated with dryer vents by installing a LT100 Lint Trap, which mounts to a wall or ceiling.



- LT100 Lint Trap for Dryer, 4" Duct

BDD BACKDRAFT DAMPERS

BDD Backdraft Dampers provide an economical solution to troublesome backdrafts. These premium quality backdraft dampers feature aluminum butterfly damper blades and are available in either spring loaded or gravity style designs.

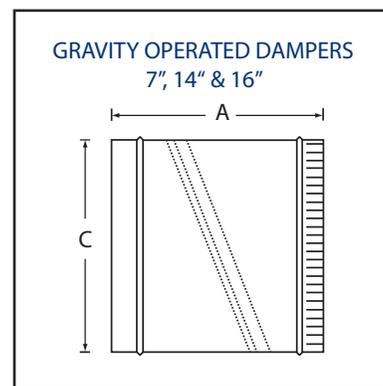
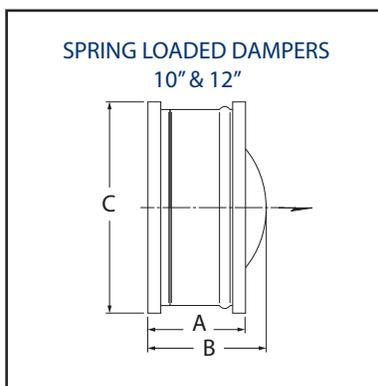
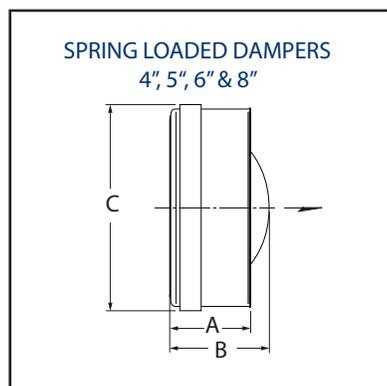
SPRING LOADED DAMPERS

- Neoprene damper seal to minimize air leakage
- Steel housing, aluminum butterfly damper blades
- Gasket designed to withstand temperatures from -22 F to 180 F
- Requires from 0.04 to 0.08 in. wg pressure to open
- Simple installation in any position - entire assembly inserts into duct
- Exterior foam gasket assures a tight seal against duct
- 4", 5", 6" & 8" sizes include stamped metal sleeve with center pin / post designs
- 10" & 12" sizes include rolled metal sleeve with center post design



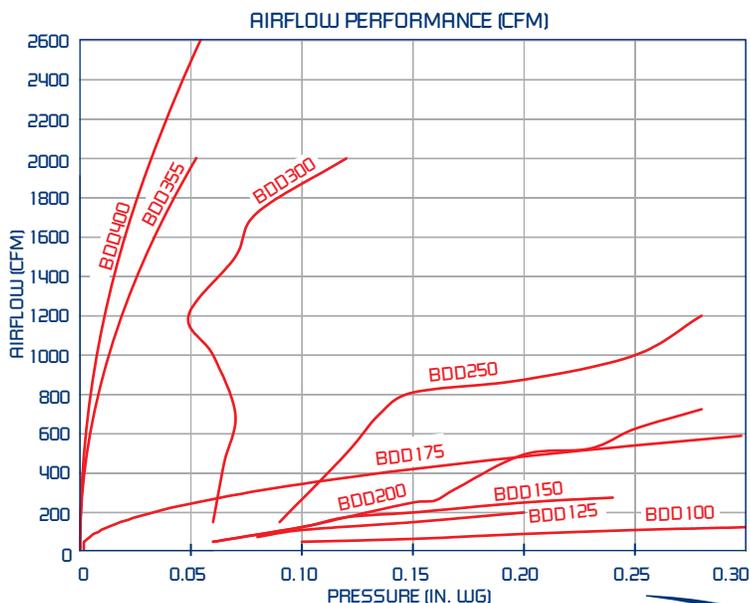
GRAVITY OPERATED DAMPERS

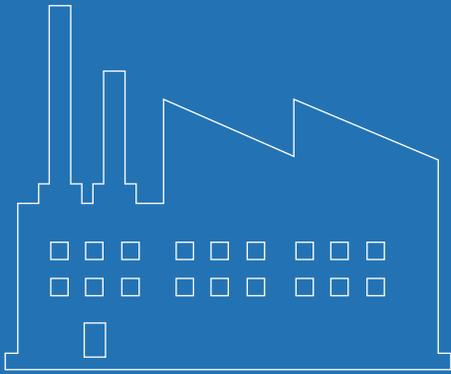
- Low air leakage design
- Galvanized steel housing, aluminum butterfly damper blades
- Gravity operated closure
- Install in horizontal or vertical (upblast only) position
- Suitable for supply or exhaust applications
- Available in 7", 14" & 16" sizes



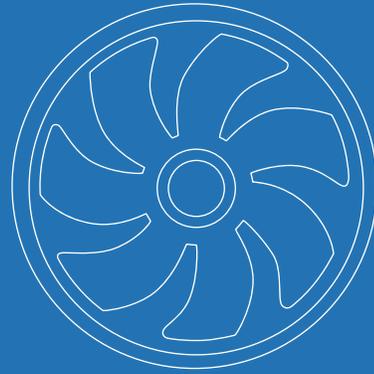
MODEL	DIMENSIONS IN INCHES*			Gauge
	A	B	C (Nominal)	
SPRING LOADED DAMPERS				
BDD100	1.8	2.0	4	20
BDD125	2.0	2.5	5	20
BDD150	2.5	3.0	6	20
BDD200	2.8	3.8	8	20
BDD250	4.8	6.0	10	20
BDD300	6.3	6.8	12	20
GRAVITY OPERATED DAMPERS				
BDD175	7.0	-	7	28
BDD355	12.0	-	14	24
BDD400	14.0	-	16	22

*DO NOT USE FOR CONSTRUCTION
CONSULT FACTORY FOR CERTIFIED PRINTS





***Industrial Fans
& Blowers***



***OEM Solutions
& Custom Fans***



***Commercial Fans
& Dampers***



***Residential Fans &
Air Purifiers***



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