



Carroll Manufacturing International

Product Description Codes

EXHAUST VENTILATORS

Carroll Exhaust Ventilators are identified by a series of letters and numbers which designates features.

SERIAL DESIGNATION: 1. _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____
Series Type Style Supply Air Option Other Options Front to Back Dimension of Ventilator

Explanation of Codes:

1. Series

- W1Single Manifold Water Wash Ventilator with fire damper at duct collar, "Elite Series"
- W1/2Dual Manifold Water Wash Ventilator with fire damper at duct collar, "Elite Series"
- DXDry Extractor Insert Ventilator with fire damper at duct collar, "Majestic Series"
- DFDry Filter Ventilator with fire damper at duct collar, "Traditional Series"
- DCDry Condensate Ventilator, "Condenser Series"
- NW1Same as a W1 Series but without fire damper
- NW1/2Same as W1/2 Series but without fire damper
- NDXSame as a DX Series but without fire damper
- NDF.....Same as a DF Series but without fire damper

2. Type

- CCanopy for wall mount or island type ventilator
- WMWall Mount backshelf non-canopy type ventilator
- PVPass-Over ventilator with vertical transition for free standing cooking equipment
- PHPass-Over ventilator with horizontal transition for counter mounted cooking equipment
- EMEquipment Mount for direct mounting to ovens
- EMREquipment Mount Reverse for direct mounting to ovens

3. Style

- MSMultiple Slot for island ventilators with back to back equipment
- MS-CLMultiple Slot Cafeteria Line island ventilator for single line of cooking equipment
- DEDouble Extractor for island ventilator with 2 extraction chambers back to back

4. Supply Air Options

- SPSupply Air with Perforated S/S panels for front face air discharge
- SRSupply Air with adjustable Registers for front face air discharge
- SISupply Air Internal short cycle type
- SVSupply Air Vertical perimeter downward discharge

5. Other Options

- RTReduced Throat has baffles added at air inlet slot to reduce air volume over specific pieces of cooking equipment
- M.....Cold water mist for use over solid fuel burning appliances (Available on W2, W1, NW1, DX and NDX Series only)

6. Front to Back Dimension of Ventilator

- INCHESIndicates the front to back depth of ventilator in inches

EXAMPLE: A (DX-C-MS-SP-RT-108") is a Carroll Dry Extractor Insert Ventilator with a fire damper at the duct collar; it is a Canopy Type, Multi Slot Style, that incorporates two air inlet slots, one on each side of a single extractor, it is for use with island style back-to-back cooking equipment; it has Supply Air with Perforated S/S panels for front face air discharge; it incorporates baffles at the air inlet slot for reduced air volume; and it has a front to back depth of 108".



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FWC WATER WASH & FAN CONTROL PANELS

Carroll Control Panels are identified by a series of letters and numbers which designates features.

SERIAL DESIGNATION: 1. _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____ 7. _____

Explanation of Codes:

1. FWC.....Fan/Wash Control Panel with PLC (Programmable Logic Controller)
2. S#.....Sequential wash groups; (#) indicates number of wash cycles on the system (1-5).
3. A.....Automatic Time Clock
4. BP.....Backflow Preventer
5. DADetergent Alarm
6. MCold Water Mist
7. PIPE SIZE.....Pipe size as a decimal number, sizes are: 0.50 = 1/2" pipe, 0.75 = 3/4" pipe, 1.00 = 1" pipe, 1.25 = 1-1/4" pipe, and 1.50 = 1-1/2" pipe
8. TR.....Trim Ring

EXAMPLE: A FWC-S1-A-DA-1.00 is a single-stage wash control panel and includes a programmable automatic time clock, a detergent alarm, and a 1" hot water inlet/outlet pipe. It does not include a low detergent alarm, constant cold water mist plumbing assembly or a trim ring.



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ENVIRONAIR® AIR PURIFICATION UNITS

Carroll EnvironAir® APU's are identified by a series of letters and numbers which designates features.

SERIAL DESIGNATION: 1. _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____

Explanation of Codes:

1. Filter Section

APU.....The Basic Filter section which includes: Pre-Filter, Bag Filter, Box Filter, Fire Stat, Air Monitor Cabinet, Status Panel, and Filter Enclosure Cabinet/Housing with Fire Damper.

NAPU.....Includes all of the components of the APU model but the Fire Damper is omitted.

2. Unit Size

APU Model Number	CFM Range	APU Model Number	CFM Range	APU Model Number	CFM Range
01	500-1100	08	6100-8000	18	16100-18000
02	1100-2000	09	8100-9000	20	18100-20000
03	2100-3000	10	9100-10000	24	20100-24000
04	3100-4000	12	10100-12000	28	24100-28000
05	4100-5000	14	12100-14000	32	28100-32000
06	5100-6000	15	14100-15000	36	32100-36000
		16	15100-16000	40	36100-40000

3. Odor Abatement Option

OSOdor spray with indoor style cabinet.

HSHeated/Insulated odor spray outdoor style cabinet.

OTOdor media trays filled with alumina spheres impregnated with potassium permanganate or activated carbon.

4. Exhaust Fan Section

The "Standard" Fan Section includes a non-insulated ("FIN") Indoor Fan Enclosure Cabinet, and Exhaust Fan (consists of blower & motor), and a Combination Magnetic Motor Starter housed in a TYPE 1 General Purpose Indoor Cabinet.

FIN "Standard" Indoor Fan Section w/ No Sound Insulation Package and a Combination Magnetic Motor Starter housed in a TYPE 1 General Purpose Indoor Cabinet.

FISOptional Indoor Fan Section w/ Sound Insulation Package and a Combination Magnetic Motor Starter housed in a TYPE 1 General Purpose Indoor Cabinet.

FONOptional Outdoor Fan Section w/ No Sound Insulation Package and a Combination Magnetic Motor Starter housed in a TYPE 3R Raintight Outdoor Cabinet.

FOSOptional Outdoor Fan Section w/ Sound Insulation Package and a Combination Magnetic Motor Starter housed in a TYPE 3R Raintight Outdoor Cabinet.

5. APU Status Panel

ACWIs used in conjunction with a remote Fan Start/Stop switch, and consists of the following: S/S Cabinet, "Fan On" Light, "Filter Out" Light, "Fire" Light, "Alarm Light, "Alarm Reset" Push Button, "Replace Pre-Filter" Light, "Replace Box-Filter" Light, "Replace Bag-Filter" Light, Relays, Timers, Control Transformer, and Terminal Blocks.

ACDIs used as a stand alone on/off fan control panel. This unit consists of the same parts as the ACW except the "Fan On" light is replaced with a "Fan On/Off" illuminated maintained Push Button switch

6. Hand-Off-Auto

"H.O.A."The H.O.A. is a manual selector control, with optional key, built into the Status Panel for remote control by the BAS when the switch is in the Auto position.

EXAMPLE: A (APU-10-OS-FIS-ACW-HOA) is a Carroll EnvironAir® APU sized for 10,000 CFM nominal, with an indoor style liquid odor spray section, a sound insulated indoor fan package, and a control panel for use with a separately controlling fan circuit, and a hand-off-auto option.