

# CT Series Air Makeup Unit



The Col-Met CT Series Heat and Cure Air Makeup Unit (AMU) replaces 100% of the exhausted air from the spray booth enclosure with fresh, filtered, tempered outside air. The CT Series AMU is equipped with a custom control panel designed specifically for finishing applications and controls both the spray booth and Air Make-up Unit. The CT Unit can be mounted horizontally, vertically, indoors or outdoors as required to accommodate job site specific needs and space availability.

The Col-Met CT AMU offers a cost effective solution and includes many features such as lower sound levels, lightweight construction and easy installation and set-up. The units enhance finishing applications by reducing air borne particulate and can increase production by accelerating dry time, thus improving operational efficiency of the finishing process. When a dedicated CT AMU is coupled directly to the booth (pressurized system), the integrated "Auto Balance" feature will adjust air flow based on filter loading to maintain designed settings maximizing exhaust filter life.

The CT Series AMU's are offered in a variety of models including:

- Demand units which can provide make-up air for multiple spray booths within a building (No Exhaust VFD, No Light Circuit)
- Heat Only (Exhaust VFD, Light Circuit, Spray Air Interlock)
- Heat & Cure (Exhaust VFD, Light Circuit, Cure Cycle, Spray Air Interlock, Door Limit Switches)

Custom AMU solutions can also be provided for booth air recirculation in spray and or cure mode as well as for applications that require temperature and humidity control.

## Features

- ETL Listed to ANSI Z83.25 CSA3.19
- G90 Galvanized Finish
- Automatic Booth Pressure Control
- Motorized Auto Gas Control
- Low Sound Level Forward Curve Fan
- All Digital Microprocessor, PID, Dual Set Point Temp Controller
- Intake Shutoff Damper with Automatic Actuator
- Power Profile Dampers for Burner Optimization
- Variable Frequency Drive (VFD) to Control Booth Exhaust Fan for User-Friendly Booth Pressure Balancing
- Control Module with Alarm History and Technical Information
- Digital Magnehelic Gauge
- User-Adjustable Recipes for Cure 1 and Cure 2
- Approved Combustion Components Provide for a Safe Working Environment
- 2" Cleanable Intake Filters
- 2 Pound Gas Pressure

## Options

- Manual Balance Adjustments
- Prep Mode
- Recirculation



Horizontal CT Series AMU



CT Series CAMU ontr Panel

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## CT Series Air Makeup Unit Selection Guide

Available for both indoor and outdoor applications, the CT air makeup units can be set up for vertical or horizontal configurations. Multiple discharge locations are available to help in the arrangement of custom layouts and critical dimensions.

Model:	CT-118	CT-120	CT-122	CT-125	CT-127	CT-130	CT-133
CFM	8,000 SCFM to 10,000 SCFM	11,000 SCFM to 14,000 SCFM	15,000 SCFM to 18,000 SCFM	19,000 SCFM to 21,000 SCFM	22,000 SCFM to 27,000 SCFM	28,000 SCFM to 30,000 SCFM	31,000 SCFM to 40,000 SCFM
External Static Pressure	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Fan Motor Horsepower	5 - 7.5	7.5 - 15	15	20	15 - 20	20	20 - 30
Fan Motor Amps @208 volt 3 phase	17.5 - 25.3	25.3 - 48.3	48	62	48.3 - 62.1	62	62.1 - 92
Fan Motor Amps @230 volt 3 phase	15.2 - 22	22 - 42	42	54	42 - 54	54	54-80
Fan Motor Amps @460 volt 3 phase	7.6 - 11	21- 21	21	27	21-27	27	27 - 40
Fan Motor Amps @575 volt 3 phase	6.1 - 9	9 - 17	17	22	17-22	22	27 - 32
Burner BTU Rating (Max)	880,000 - 1,100,000	1,210,000 - 1,540,000	1,650,000 - 1,980,000	2,090,000 - 2,310,000	2,420,000 - 2,970,000	3,080,000 - 3,300,000	3,410,000 - 4,400,000
Fuel Pressure (PSI)	2	2	2	2	2	2	2
Valve Train Inlet Size	3/4" - 1"	1"	1"	1 - 1 1/4"	1 1/4"	1 1/4"	1 1/2"
Natural Gas Fuel Consumption (Cubic Feet Per Hour)	880 - 1,100	1,210 - 1,540	1,650 - 1,980	2,090 - 2,310	2,420 - 2,970	3,080 - 3,300	3,410 - 4,400
Propane Fuel Consumption (Cubic Feet Per Hour)	555 - 693	762 - 970	1,040 - 1,248	1,317 - 1,456	1,525 - 1,871	1,941 - 2,079	2,149 - 2,773

## Unit Configuration Options

(Other Configurations Available)

