

## SECTION 15560

### DIRECT FIRED GAS MAKEUP AIR UNITS

#### PART 1 GENERAL

##### 1.1 SUMMARY

- A. This section describes minimum requirements for Direct Gas Fired Makeup Air Units

#### PART 2 PRODUCTS

##### 2.1 MAKE-UP AIR HANDLING UNIT

- A. Casings shall be weather resistant, and include galvanized type zinc coated steel casing and enamel paint. Provide motorized inlet damper with safety interlock contacts.
- B. Fan section: motor starter with burner interlock contacts.
- C. Burner:
  - 1. All components AGA and UL listed.
  - 2. High temperature safety control.
  - 3. Electronic flame safety control.
  - 4. Special burner area insulating liner.
  - 5. Air-flow proving switch.
  - 6. Electric spark ignition of pilot.
  - 7. Burner and blower service switches on heater.
- D. Main fused disconnect switch.
- E. Controls: Complete discharge temperature control system, including safeties. Provide interface to Building Automation System, to include unit failure and filter alarms and discharge air temperature indication.
- F. Variable Frequency Drives: If furnished with unit, provide drives in accordance with Section 15915 Variable Frequency Drives, including provisions for LonMark protocol. Drives shall be monitored by the building automation system.
- G. Filters: Minimum Filter section for 2-inch filters. Units which serve occupied areas shall be provided with final and charcoal filters. Maximum face velocity through final and charcoal filters shall be 300 feet per minute.

#### PART 3 EXECUTION - NOT USED

END OF SECTION