

LOW NOX AIR HEAT COMBUSTION SYSTEM  
MINNOX STANDARD PACKAGE

158-3

As a system, the MINNOX application is predicated on supplying the O.E.M. or end user with basically a turnkey system. With this concept in mind, Eclipse offers the following equipment. Options need be consulted per request.

- 1) BURNER: Minnox side plate assembly inclusive of peep sight, air cooled U.V. scanner, pre-mix pilot assembly, mounted ignition transformer, and pre-drilled mounting flange with sight port.
- 2) COMBUSTION BLOWER: Assembled with T.E.F.C. motor and filter.  
Note: combustion air switch mounting and air delivery from blower to air control assembly shall be the responsibility of the installing contractor.
- 3) GAS CONTROL ASSEMBLY: Manual shutoff and butterfly, air loaded proportionator w/ bleed valve, high gas pressure switch, pressure gage w/ shutoff cock. Pre-piped and shipped loose for field assembly.
- 4) AIR CONTROL ASSEMBLY: Butterfly type control valve assembly w/ 4-20 ma drive motor, mount and linkage. Prepiped with pressure gage and flanged to suit burner. Shipped loose with combustion air switch.
- 5) PILOT: Sub-assembled gas cock and regulator. Air and gas solenoids shipped individually for field assembly.
- 6) MAIN GAS TRAIN: Main plug cock, regulator, dual safety shutoff valves, normally open vent valve, gage w/ shutoff cock, low gas pressure switch. pre-piped, painted and mounted on steel frame rack.
- 7) CONTROL PANEL: 460-3-60 Combustion blower starter with motor overload protection, main disconnect, control voltage circuit transformer, 115-1-60 control circuit breaker. NEMA 12 enclosure, single burner flame safety control for UV scanner and pre-purge, process temperature high limit (T/C), flame temperature high limit (T/C), operating temperature control (T/C), flame signal meter, alarm horn, (3) switches: - COMBUSTION BLOWER on/off, BURNER start/stop, and ALARM SILENCING. (2) indicating lights - LIMITS COMPLETE, and FUEL VALVES OPEN. A remote display of flame safety is included for diagnostic and indication. Assembled, number wired, and shipped loose for field mounting.

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