

Application**brief**

Eclipse Product: Minnox Burners
Submitted by: Jim Ryan – Wirth Gas Equipment, Inc.
Application: Aviation Paint Application and Curing

Description: Low Nox burner system to replace Eclipse 120 AH Burners in three Air Handling units for Northrop Grumman's curing and painting Hangers. They applied and cured paint for F-18 plane parts. Rawlings Mechanical (Contractor / OEM) wanted to use Eclipse burners since they had the Eclipse 120 AH burners installed. They also wanted to go from 1.5 mm btu/hr to 2mm btu/hr.

Supplied three 500CCS-SP Minnox Burners with an Eclipse SMJ6619-5 Combustion Blower to achieve Low Nox. The burners were installed on the suction side of the process fans and met the Southern California Air Quality Management District's (SCAQMD) requirement to be below 30 ppm of Nox. Supplied new KDI gas valve trains and custom control panel.

(3) Minnox 500CCS-SP; SMJ6619-5; 1-1/2" KDI-DMV-DLE IRI valve train; UL Control Panel with Eclipse Veri-Flame and Temperature Control/High Limits.



Combustion Air Blower/Filter and Control Panel for one of three units.



Side View of Minnox Burner in Duct.

