

ECLIPSE 03FA

AIR-OIL BURNERS

Easy to use, with adjustable flame control and reliable, proven performance.

The 03FA is a nozzle mixing oil burner with an adjustable atomizing orifice design. It is capable of burning any grade of fuel oil. The 03FA has been used extensively on regenerative glass furnaces where the hot combustion air is supplied by the regenerator. The burner design features a very efficient medium pressure (20 to 45 PSIG) simplex type oil nozzle for atomization of the fuel oil. The venturi atomizer is made with premium heat resistant stainless steel to withstand extreme radiation.

Operational Features

The flame shape, flame length and heat release are controlled by adjusting the atomizing air flow rate. Flame shapes are typically long and luminous, but can be easily adjusted to a shorter, sharper shape. The superior atomization characteristics of this burner ensure complete burning of the fuel for better efficiency. The burner can be fired in any standard position. The 03FA is ruggedly built to withstand hot, dirty environments, and provide minimal maintenance and long service life.



Fuel Savings

The 03FA burner is designed to deliver fuel savings, thanks to its sealed-in construction, low cooling air requirements, superior atomization and optimum flame shape control. The burner is sealed to the burner block, typically by use of a ball venturi atomizer and socket plate. This feature can reduce fuel consumption by 2% to 5% or more. By combining an efficient design with premium burner components, the 03FA permits higher operating temperatures and provides long burner life with low maintenance. The superior oil atomization characteristics of this burner ensure complete burning of the fuel in the furnace, thus reducing energy losses caused by incomplete combustion.

