Red-Ray

LEADING THE INDUSTRY WITH GAS-FIRED INFRARED BURNERS

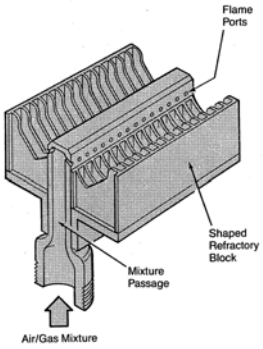
E-Series

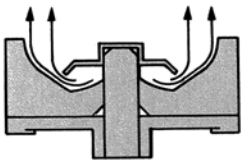
Infrared Burners

Infrared burners are impingement type infra-red generators incorporating shaped refractory blocks. Rows of small ports direct flame against the curved block surfaces, heating them to temperatures ranging from 1800° F to 2200°. Infrared burners produce a high intensity, concentrated radiation. In addition, the curvature of the refractory directs a hot, turbulent stream of exhaust gases toward the product, scrubbing the surface of vapor films and enhancing heat transfer.

64IR

67IR





E-SERIES
Curvature concentrates exhaust stream.

The 64IR and 67IR burners produce a concentrated stream of exhaust gases. When they are mounted facing down, the exhaust will travel from 10” to 12” before losing momentum and rising. They can be operated with a turndown of 10:1. Radiant output drops in proportion to decreasing gas input. Infrared burners may be ignited by direct spark or by a spark-ignited blast type pilot. Flame monitoring may be by flame rod or U.V.scanner.

SPECIFICATIONS

Burner	E-Series	
	64 IR	67 IR
Rows Per Section	1	2
Section Length	6″	6″
Max. Input Per Section, Btu/Hr.	30,000	60,000
Mixture Press. Required	8″ w.c.	8″ w.c.

67IR - 5 Manifold

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RED-RAY
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