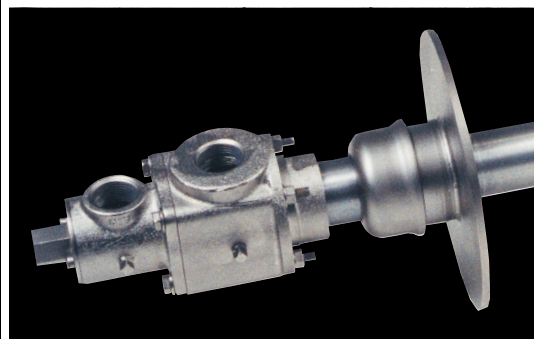
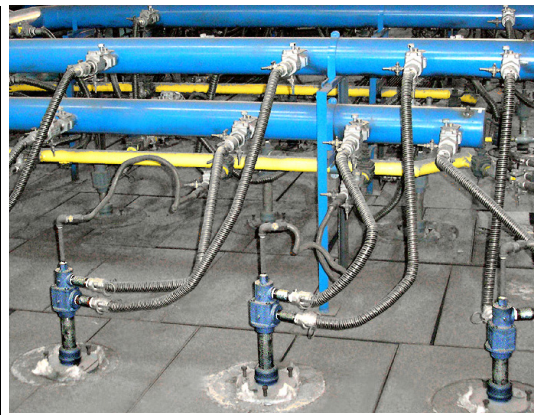
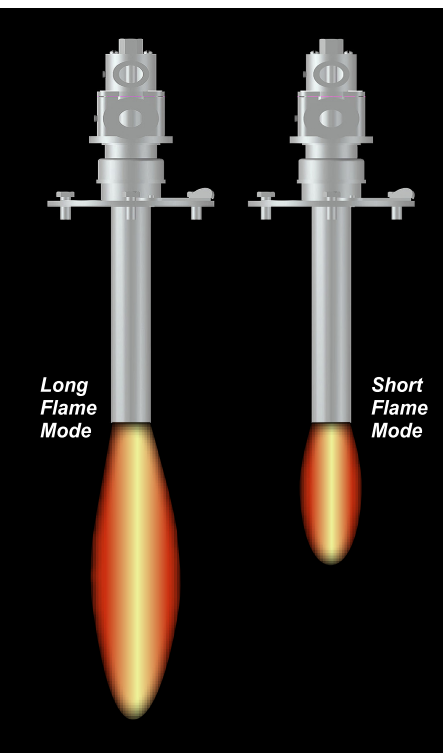


VHPI - PROVEN PERFORMANCE

In Fuel Savings and Brick Uniformity



HANSON BRICK

North Carolina, USA

Conversion of four, high heat zones of a top fired kiln, 14 feet wide, 57MMSBE/yr from conventional injector burners to Fives North American's VHPI.

First zone installed 09/2004.

Three additional zones completed 08/2005.

VHPI Variable Heat Pattern Injector

RETROFIT INCLUDED

- 72 VHPI burners and additional air manifolds
- Existing controls were retained with dynamic control added
- Retrofit was done on the fly - with no disruption to existing operations

RESULTS

- 9% fuel savings
- Improvement in brick uniformity
- Continued successful burner performance for over a year