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*1* -8 thru -16, 2½" threaded; -18 thru -26, 4" ANSI flange

**Burner specification**

- **Burner designation**: 4384-
- **Flange size**: 8 thru 16
- **Flange type**: ANSI
- **Flange diameter**: 2½" or 4"
- **Flange thread**: 1½" or 2½"
- **Burner output**: Low NOx Fuel Directed
- **Burner type**: Magna-Flame

**Dimensions & Installation**

**DIMENSIONS**

- **inches**
- **Burner designation**: 4384-
- **Flange type**: ANSI
- **Flange diameter**: 2½" or 4"
- **Flange thread**: 1½" or 2½"
- **Burner output**: Low NOx Fuel Directed
- **Burner type**: Magna-Flame

**Notes**

- **Furnace opening should be ½" larger than dimension EE for -8 thru -14/4" larger than dimension EE for -16 thru -26.**
- **Any tile length greater than GG x 1.2 should have a 30° angled flare from the standard tile extension.**
- **Burner must be ordered with locations designated. See reverse side.**
- **Backplate and pilot observation ports included with burner.**

**Pilot assembly designations**

- **Wt. Pilot assembly**: 4014-1-T, 4014-2-T, 4014-3-AT, 4014-3-BT
- **Wt. Pilot assembly**: 240, 290, 365, 365, 410, 465, 515, 635, 685, 760, 820, 940

**Wt. Pilot assembly**

- **Wt. Pilot assembly**: lbs.
- **Wt. Pilot assembly**: 4014-1-T, 4014-2-T, 4014-3-AT, 4014-3-BT
- **Wt. Pilot assembly**: 240, 290, 365, 365, 410, 465, 515, 635, 685, 760, 820, 940

**Notes**

- **Furnace opening should be ½" larger than dimension EE for -8 thru -14/4" larger than dimension EE for -16 thru -26.**
- **Any tile length greater than GG x 1.2 should have a 30° angled flare from the standard tile extension.**
- **Burner must be ordered with locations designated. See reverse side.**
- **Backplate and pilot observation ports included with burner.**

**Dimensions shown are subject to change. Please obtain certified prints from Fives North American Combustion, Inc. If space limitations or other considerations make exact dimension(s) critical.**
Arrangement Designators are specified relative to the main air connection at 12 o'clock and should be listed for **pilot, gas, and flame detector in that order**. Good practice dictates that neither the pilot nor the flame supervision device be on the bottom of the burner.

**FIGURE 1**

Wall thickness equal to or greater than required tile length.

- **Main air conn.**
- Pilot position designators are
- Gas connection position designators
- Flame supervision designators are (must be 90 or 180º from pilot)

**FIGURE 2**

Wall thickness less than required tile length.

- A refractory lined “doghouse” should be constructed so that the burner tile does not extend past the inner chamber wall.
- Expansion joints must be provided in surrounding refractory to prevent pressure being exerted on cast or rammed burner tunnel section.

**WARNING:** Situations dangerous to personnel and property may exist with the operation and maintenance of any combustion equipment. The presence of fuels, oxidants, hot and cold combustion products, hot surfaces, electrical power in control and ignition circuits, etc., are inherent with any combustion application. Parts of this product may exceed 160°F in operation and present a contact hazard. Fives North American Combustion, Inc. urges compliance with National Safety Standards and Insurance Underwriters recommendations, and care in operation.