

SEATTLE / KING COUNTY PUBLIC HEALTH
Community Environmental Health
Plumbing / Gas Piping Inspections

DECISIONS / INTERPRETATIONS
of the Chief Plumbing Inspector

Date: June 26, 2007

Decision No. 07-003

Subject: CSST Piping Termination Within a Vented Gas Fireplace

Code / Section: 2006 IFGC Section 403.5.4 and Manufacturer's Installation Instructions

Decision. Where corrugated stainless steel (CSST) gas piping is supplied to a factory built fireplace it shall terminate either (1) directly to the shutoff valve inside or outside of the unit which is hard-piped directly to the unit, or (2) within the unit by means of the CSST manufacturer approved termination bracket. This applies to vented gas fireplaces and vented gas fireplace heaters manufactured in accordance with Sections IFGC 604 and 605. It does not apply to decorative appliances for installation in a fireplace manufactured in accordance with Section 602.

Background. CSST is allowed to connect to non-movable appliances such as water heaters, furnaces and boilers. Vented gas fireplaces and vented gas fireplace heaters would fall within this category. As such, the termination to the appliance must be either to the hard-piped connections of the appliance (nipple, union and shutoff valve) or by means of an approved termination bracket. This is to restrict unnecessary movement of the CSST when servicing the appliance. The appliance shutoff valve must be rigidly installed such that at no time is the shutoff valve installed with CSST on one side and a flexible appliance connector on the other side.

Where CSST penetrates a metal framework of the gas fireplace it shall be protected in accordance with the CSST manufacturer's instructions (such as using metal strip-wound material). Note that the requirement for a factory equipped grommet or sleeve in Section 411.1.3.3 applies to fireplace inserts only, which are designed for installation within a wood burning fireplace, and to the protection of the flexible appliance connector.