

CSI MasterFormat 1995 Edition: Division 15 Mechanical-Section 15300 Fire Protection Piping

**CSI MasterFormat 2004 Edition: Division 21 Fire Suppression-Section 21 11 00 Facility Fire-Suppression
Water-Service Piping**

FLEXIBLE SPRINKLER HOSE FITTINGS FOR FIRE PROTECTION SERVICE IN DUCTWORK

- A. Manufacturer: FlexHead Industries, Inc.
 - 1. Contact: 56 Lowland Street, Holliston, MA 01746; Telephone: (800) 829-6975; Fax: (508) 893-6020; Email: sales1@flexhead.com; website: www.flexhead.com
- B. Description: Flexible Sprinkler Hose Fittings for use in ductwork.
 - 1. Regulatory Requirements: Provide flexible stainless steel hose fittings that comply with the following requirements:
 - a. In accordance with NFPA 13.
 - b. In accordance with FM Global Property Loss Prevention Data Sheet 7-78 Industrial Exhaust Systems when installed in exhaust duct systems.
- C. Product Performance Criteria:
 - 1. FM Approved for its intended use pursuant to FM 1637 Approval Standard for Flexible Sprinkler Hose with Threaded End Fittings.
- D. Materials: FlexHead Duct Sprinkler Connections (contractor responsible for complete installation pursuant to manufacturer's installation instructions, NFPA 13 and FM guidelines).
 - 1. FlexHead Flexible Hose Assemblies and End Fittings:
 - a. Hose Assemblies: FlexHead series 1000, 1100, 1200 or 1300 in lengths of 2ft, 3ft and 4ft. The 1000 series is limited to fiberglass reinforced plastic (FRP) ductwork; 1100 series is limited to metal ductwork; 1200 series is limited to polypropylene ductwork; and 1300 series is limited to polyvinyl chloride plastic (PVC) ductwork.
 - 1. Composition: 100% Type 304 Stainless Steel.
 - 2. Outlet Size: {½ inch} {¾ inch} outlet.
 - 3. Pressure Rating: {175 psi} {300 psi} maximum rated pressure.
 - 4. Type: Fully welded non-mechanical fittings, braided, leak-tested with minimum 1 inch true-bore internal corrugated hose diameter.
 - 2. Two part mounting block: contractor responsible for the installation of the bottom mounting block to the duct and verifying integrity of the bond between the block and duct.
 - 3. Gasket with two 4 mil poly-bags for corrosion resistance.
 - a. {EPDM} {Viton} {Gortex} gasket material
 - 4. Wax coated sprinkler head at the required temperature rating.