

FlexHead commercial fire sprinkler connections

**Protect your
property**



**Safeguard
the environment**

**Support
LEED principles**

FLEXHEAD[®]

INDUSTRIES 

The pioneers in flexible fire protection



N.Y.C. MEA #261-99-E

CA: OPA-0672

About the U.S. Green Building Council (USGBC)*

About Leadership in Energy and Environmental Design (LEED)*



The U.S. Green Building Council (USGBC) is the nation's foremost coalition of leaders from across the building industry working to promote buildings that are environmentally responsible, profitable and healthy places to live and work. Members come from every sector of the building industry. More than 20,000 member organizations in a network of 78 regional chapters have united to advance a shared mission: to transform the way buildings and communities are designed, built, and operated, enabling an environmentally and socially responsibly, healthy, and prosperous environment.

The Leadership in Energy and Environmental Design (LEED) Green Building Rating System™ is a voluntary, consensus-based national standard for developing high-performance, sustainable buildings. Members of the U.S. Green Building Council representing all segments of the building industry developed LEED and continue to contribute to its evolution.

LEED gives building owners and operators the tools they need to have an immediate and measurable impact on their buildings' performance.

LEED promotes a whole-building approach to sustainability by recognizing performance in five key areas of human and environmental health: sustainable site development, water savings, energy efficiency, materials selection, and indoor environmental quality.

FlexHead Industries is committed to the environment and green building principles

FlexHead Industries demonstrates its commitment to sustainability by supporting LEED (Leadership in Energy and Environmental Design) principles and USGBC (U.S. Green Building Council) objectives. Millions of gallons of water are drained from sprinkler piping every year. FlexHead products can help minimize hydrostatic testing during initial installation which involves filling the piping with water, pressurizing the system to check for leaks and draining down the system. FlexHead Products can also eliminate the need to drain sprinkler piping during tenant fitups and/or sprinkler head relocations. It's just one more way FlexHead helps reduce operating costs as it increases the value and sustainability of your property.

LEED 2009 Project Checklist for New Construction

Water Efficiency

Credit 3: Water Use Reduction

Energy & Atmosphere

Credit 1: Optimize Energy Performance

Credit 4: Enhanced Refrigerant Management

Materials and Resources

Credit 1.2: Building Reuse—Maintain Interior Nonstructural Elements

Credit 4: Recycled Content

Indoor Environmental Quality

Credit 3.1: Construction IAQ Management Plan, During Construction

Credit 4.1: Low-Emitting Materials—Adhesives and Sealants

LEED certification provides independent, third-party verification that a building project meets green building and performance measures. Based on a system of prerequisites and credits, LEED projects earn points during the certification process. Products and services do play a role and can help projects with credit achievement; however, products and services do not earn projects points.





FlexHead sprinkler connections are not only environmentally friendly, but they also facilitate fast-track construction, perfect aesthetic uniformity, simplified project management and cost effective code compliance.



FlexHead sprinkler connections have been seismically qualified for use and meet all of the International Building Code (IBC) requirements without the need for an oversized ring, sleeve or adapter through the ceiling tile.

Intent

● Water Efficiency

Credit 3: Water Use Reduction

To further increase water efficiency within buildings to reduce the burden on municipal water supply and wastewater systems.

● Energy & Atmosphere

Credit 1: Optimize Energy Performance

To achieve increasing levels of energy performance beyond the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use.

Credit 4: Enhanced Refrigerant Management

To reduce ozone depletion and support early compliance with the Montreal Protocol while minimizing direct contributions to climate change.

Solution

● FlexHead Product Solution

- FlexHead products help minimize hydrostatic testing during initial installation which involves filling the piping with water, pressurizing the system to check for leaks and draining down the system. FlexHead products can also eliminate the need to drain the system during final sprinkler fitup.
- FlexHead products can eliminate the need to drain the system during sprinkler head relocations.
- FlexHead products are 100% leak checked and designed to help eliminate leakage that can lead to system drain downs that waste potable water.
- FlexHead products ensure that sprinklers stay aligned over the life of the building and are not susceptible to misalignments caused by building settlement or installation errors. Misalignments can lead to system drain downs and re-fitups that waste potable water.

● FlexHead Product Solution

- Designed to lessen water flow and pressure requirements, FlexHead products in turn minimize power requirements for the system operation and can help eliminate the need for a fire pump.
- Made of 100 percent stainless steel, FlexHead products do not require painting or coating for corrosion protection which contribute to smog.
- Fuel emissions are reduced in moving product to job sites as FlexHead Industries has multiple warehouse locations within the United States.

Intent

Solution

Conclusion

● Materials & Resources

Credit 1.2: Building Reuse — Maintain Interior Nonstructural Elements

To extend the lifecycle of existing building stock, conserve resources, retain cultural resources, reduce waste and reduce environmental impacts of new buildings as they relate to materials manufacturing and transport.

Credit 4: Recycled Content

To increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.

● Indoor Environmental Quality

Credit 3.1: Construction IAQ Management Plan: During Construction

To reduce indoor air quality problems resulting from the construction or renovation and promote the comfort and well-being of construction workers and building occupants.

Credit 4.1: Low-Emitting Materials — Adhesives and Sealants

To reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.

● FlexHead Product Solution

- All FlexHead products can be reused or relocated after initial installation saving costly materials as the occupancy or use changes over the life of the building.
- Sprinklers installed using FlexHeads stay aligned through the life of the building and are not susceptible to building settlement as the products attach to and adjust with the ceiling.
- FlexHead Industries manufactures stainless steel parts with up to 10 percent recycled material.
- All stainless steel scrap materials produced in the manufacturing process are recycled.

● FlexHead Product Solution

- FlexHead products eliminate the need to thread pipe during tenant fitup, reducing cutting oils used and toxic fumes produced, thereby protecting the air quality for the contractors and installers.
- All FlexHead's threads are made to ANSI standards so that contractors can use regular teflon tape to seal the threaded connections without the need to use pipe sealants typically having volatile organic compounds (VOCs).

FlexHead Industries is committed to providing green products that promote environmentally responsible places to work.

To get complete product specifications, please call **800-829-6975**, or visit our website at **www.flexhead.com**.



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Your security is our business.

FlexHead Industries was founded in 1992 to help engineers, builders and owners increase the safety of their buildings. Our patented sprinkler connection technologies show that it's possible to comply with codes cost-effectively. We're proud to help reduce the risks of property damage and loss of life in a wide variety of buildings, domestically and world-wide.



FlexHead manufactures sprinkler connections for all types of applications including:

Commercial

- Government
- Offices
- Restaurants
- Retail
- Schools

Cleanrooms

- Biotechnology
- Electronics
- High-end commercial ceilings
- Pharmaceuticals
- Semiconductors

Exhaust ducts

- Aerospace
- Automotive
- Biotechnology
- Electronics
- Forest products/paper pulp
- Laboratories
- Petrochemical
- Pharmaceuticals
- Restaurants
- Semiconductors
- Steel manufacturers

Institutions

- Concrete penetrations for sidewall and pendant applications
- Correctional centers
- Mental health facilities

Seismically qualified.

FlexHead connections allow for independent movement between sub-mains and ceilings. They're the only flexible sprinkler connection to be qualified for use in Seismic Design Categories C, D, E and F.

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U.S. and international patents pending: #6,123,154, #6,119,784, #6,752,218, #7,032,680, #6,488,097.

The FlexHead name and logo are trademarks of FlexHead Industries.

FGG/BM/CZ[®] System Compatible indicates this product has been tested and is monitored on an ongoing basis to assure chemical compatibility with FlowGuard Gold[®], BlazeMaster[®], and Corzan[®] pipe and fittings.

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