

# FlexHead commercial fire sprinkler connections

Protect your  
property



Safeguard  
the environment

Achieve  
LEED points

**FLEXHEAD**<sup>®</sup>  
INDUSTRIES 

*The best idea in sprinkler systems since water*



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 10,000 member organizations in a network of 75 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

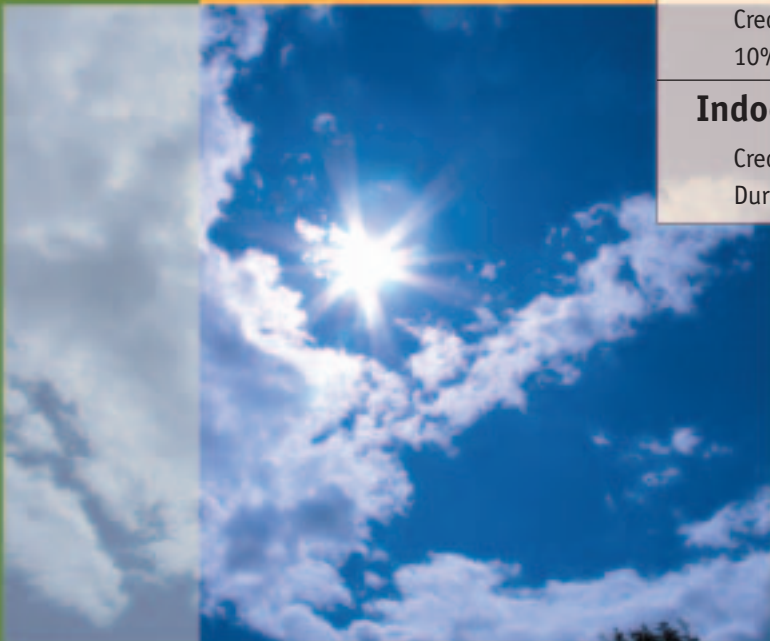
FlexHead Industries demonstrates its commitment to sustainability by supporting LEED (Leadership in Energy and Environmental Design) principles and USGBC (U.S. Green Building Council) objectives. Millions of gallons of water are drained from sprinkler piping every year. FlexHead products can help minimize hydrostatic testing during initial installation and 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.

## Project Checklist for New Construction

	Possible Points
<b>Sustainable Sites</b>	
Credit 6.1 Stormwater Design, Quantity Control	1
<b>Water Efficiency</b>	
Credit 3.1 Water Use Reduction, 20% Reduction	1
Credit 3.2 Water Use Reduction, 30% Reduction	1
<b>Energy &amp; Atmosphere</b>	
Credit 1 Optimize Energy Performance	2-10
Credit 4 Enhanced Refrigerant Management	1
<b>Materials and Resources</b>	
Credit 4.1 Recycled Content, 10% (post-consumer + 1/2 pre-consumer)	1
<b>Indoor Environmental Quality</b>	
Credit 3.1 Construction IAQ Management Plan, During Construction	1

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

### ● Sustainable Sites

#### Credit 6.1 Stormwater Design

The intent is to limit disruption of natural water hydrology by reducing impervious cover, increasing on-site infiltration, and managing stormwater runoff.

### ● Water Efficiency

#### Credit 3.1 & 3.2 Water Use Reduction

The intent is to maximize water efficiency within buildings to reduce the burden on municipal water supply and wastewater systems by 20 or 30 percent.

### ● Energy & Atmosphere

#### Credit 1 Optimize Energy Performance

The intent is to achieve increasing levels of energy performance above baseline in the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use.

## Solution

### ● FlexHead Product Solution

- FlexHead products are designed to help eliminate leakage and prevent contamination.
- The use of FlexHead products helps prevent leakage and breakage during a seismic event.
- FlexHead products reduce on-site contaminants such as cutting oils during piping installation.

### ● FlexHead Product Solution

- Minimize hydrostatic testing during initial installation and eliminate the need to drain the system during tenant fit-up with FlexHead products.
- FlexHead products can eliminate the need to drain the system during sprinkler head relocations.
- FlexHead products are designed to help eliminate leakage and improve water efficiency.
- FlexHead products have the best friction loss of water flows in the sprinkler system as compared to other flexible drops in the marketplace, resulting in reduced overall water-flow requirements.

### ● FlexHead Product Solution

- Designed to lessen water flow and pressure requirements, FlexHead products in turn minimize power requirements for the system operation.

# Intent

# Solution

# Conclusion

## ● Energy & Atmosphere

### Credit 4 Enhanced Refrigerant Management

The intent is to reduce ozone depletion and support early compliance with the Montreal Protocol while minimizing direct contributions to global warming.

## ● FlexHead Product Solution

- 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.

## ● Materials & Resources

### Credit 4.1 Recycled Content

The intent is to increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials by 10 percent.

## ● FlexHead Product Solution

- FlexHead Industries manufactures stainless steel parts with up to 10 percent recycled parts.
- All stainless steel scrap materials produced in the manufacturing process are recycled.

## ● Indoor Environmental Quality

### Credit 3.1 Construction IAQ Management Plan: During Construction

The intent is to reduce indoor air quality problems resulting from the construction/renovation process in order to help sustain the comfort and well-being of construction workers and building occupants.

## ● FlexHead Product Solution

- FlexHead products eliminate the need to thread pipe during tenant fit-up, reducing cutting oils used and toxic fumes produced, thereby protecting the air quality for the contractors and installers.

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

To see how we can help you meet LEED compliance and to get complete product specifications, please call **800-829-6975**, or visit our website at **[www.flexhead.com](http://www.flexhead.com)**.



# FlexHead commercial fire sprinkler connections

## 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.*

# FLEXHEAD<sup>®</sup>

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*The best idea in sprinkler systems since water*

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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<sup>®</sup> System Compatible indicates this product has been tested and is monitored on an ongoing basis to assure chemical compatibility with FlowGuard Gold<sup>®</sup>, BlazeMaster<sup>®</sup>, and Corzan<sup>®</sup> pipe and fittings.

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