



**OPW®**

**FUELING CONTAINMENT SYSTEMS**

# Automatic Fire Extinguisher

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**FlexWORKS**  
BY OPW FUELING CONTAINMENT SYSTEMS



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## 1. GENERAL INFORMATION AND INTRODUCTION

The FlexWorks Automatic Fire Extinguisher is a small, non-rechargeable fire extinguisher designed specifically to be installed in a containment sump, underneath an above-ground fuel dispenser, and automatically extinguishes a fuel fire in the event of a dispenser knock-over. The FlexWorks Automatic Fire Extinguisher will automatically activate and discharge its extinguishing agent when the surrounding temperature reaches 175°F.

The FlexWorks Automatic Fire Extinguisher is 12.8" in height and 3.3" in diameter and comes with its own mounting bracket. The FlexWorks Automatic Fire Extinguisher can be mounted to a variety of surfaces (see page 4 for additional instructions) and contains enough extinguishing agent to protect dispenser containment sumps up to a maximum capacity of 50 cubic feet.

## 2. COMPONENTS

The FlexWorks Automatic Fire Extinguisher consists of a steel cylinder which complies with DOT specifications and is non-refillable.

The cylinder is fitted with a pressure gauge and 45° brass fitting. The cylinder label contains information such as the serial number and manufacturing date. The bottom of the cylinder is fitted with an actuator valve. A mounting bracket is also provided.



## IMPORTANT

**Read all warnings prior to FlexWorks Fire Extinguisher Installation**

## 3. OPERATION

The FlexWorks Fire Extinguisher is a thermally activated device suitable for use in temperatures ranging from 0° F to 130° F. During normal operation, a thermally sensitive glass bulb seals the actuator valve located at the bottom of the FlexWorks Fire Extinguisher. When the temperature of the actuator reaches 175° F, the glass bulb bursts, releasing the extinguishing agent into the containment sump. The agent reacts with the flame smothering the fire and extinguishing it. The entire contents of the FlexWorks Fire Extinguisher are expelled. Immediate replacement of the unit is recommended.

## 4. APPLICATION

### 4.1 Dispenser Sumps

For dispenser sump application, the mounting bracket should be clamped above the label so the actuator is pointing down into the dispenser sump.

## 5. INSTALLATION INSTRUCTIONS

### 5.1 General

The FlexWorks Fire Extinguisher is designed to be used within dispenser containment sumps only.

**Read all installation instructions and warnings prior to installation. All installation instructions must be followed in order for the warranty to be valid.**

## ⚠ WARNINGS

- Never attempt to disassemble any portion of the FlexWorks Fire Extinguisher. The unit is not consumer serviceable. Removal or loosening of a cylinder component could result in serious injury and will void the warranty.
- Always wear eye protection when handling the unit.
- Handle cylinder with extreme care at all times.
- Never move or transport the FlexWorks Fire Extinguisher outside of its original packaging.
- Accidental discharge may cause serious injury. If accidental discharge occurs, evacuate the area immediately until fumes have cleared.
- Concentrated agent and by-products of application to fire are toxic. Avoid inhalation of fumes or prolonged exposure.
- Failure to comply with the instructions and warnings contained in this manual may result in serious injury.

# Automatic Fire Extinguisher

## 5.2 Pre-Installation

**Step 1:** Carefully remove the FlexWorks Fire Extinguisher from its box. Inspect for any physical damage that may have occurred during shipping.

Components
1—Fire Extinguisher Unit
2—Strut Bracket Halves
1—1/4-20 x 1" bolt with nut

**Step 2:** Check the pressure gauge on top of the FlexWorks Fire Extinguisher. Make sure the indicator arrow is in the green, good zone.

**Step 3:** Check to make sure the box contains the components listed. If there are any problems, contact OPW-FCS Customer Service at 1-800-422-2525.

## 5.3 Mounting Instructions

The FlexWorks Fire Extinguisher measures 12.8" in height and 3.3" in diameter and comes with its own mounting hardware. It may be mounted to the side strut inside the dispenser sump to a wall surface or to a metal support frame.

### Strut Mount:

Mounting the FlexWorks Fire Extinguisher to a metal strut bar is the most common mounting application. For this application, the strut clamp is inserted into the opening in the strut bar. Next, firmly clamp the FlexWorks Fire Extinguisher into the strut clamp using the fastener provided.

## 6. OPERATING INSTRUCTIONS

### 6.1 Periodic Inspections

Inspect the FlexWorks Fire Extinguisher every 6 months to make sure that the pressure gauge is located in the Green Zone at 70° F. Unlike hand-held, rechargeable fire extinguishers that require annual testing and weighing by a certified company, the FlexWorks Fire Extinguisher is factory charged and cannot be partially discharged, recharged or reused. The unit should be replaced (10) years after the manufacture date listed on the cylinder to maintain fire protection of the dispensing sump.

Model FSS-50 Fire Extinguisher Systems are charged with a clean agent, HFC-227ea.

### 6.2 Discharge

In the event of premature discharge without a fire situation within two years of its manufacturing date, contact OPW-FCS customer service at 1-800-422- 2525 for a replacement.

The FlexWorks Fire Extinguisher is a completely automatic fire extinguisher unit. When the temperature surrounding the FlexWorks Fire Extinguisher reaches 175° F (79° C), the glass bulb in the actuator will break flooding the dispenser chamber with a "heavier than air" fire extinguishing agent. The reaction of the gaseous agent with the fire produces a violet smoke indicating the fire is being extinguished.

### WARNINGS

- After any fire, contact your local fire department immediately to ensure that the fire will not reignite.
- In the event of a fire, all pumps must be shut down immediately.
- The FlexWorks Fire Extinguisher is a disposable extinguisher and must be replaced with a new unit after discharge.

Description	Automatic Fuel Fire Extinguisher
Application	Under Dispenser Containment
Storage/Operating Temp	0° F to 130° F
Discharge Temp	175° F
Agent	HFC-227ea
Shipping Name	OPW-050-227 or OPW-050-227-B
Cylinder	DOT-SP-10
Ozone Depletion	Zero Effect
Model Number	FSS-50
Coverage Area	50 ft <sup>3</sup> (1.42m <sup>3</sup> )
Overall Size	12.25" x 3.0"
Overall Weight	5.2 lbs.

## Customer Information

(please retain this information for warranty)

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Distributor: \_\_\_\_\_

Model Number: \_\_\_\_\_

Serial Number: \_\_\_\_\_

Date of manufacture: \_\_\_\_\_ Date of purchase: \_\_\_\_\_

## LIMITED WARRANTY

OPW-FCS ("Seller") warrants the FlexWorks Automatic Fire Extinguisher shall be of good materials and workmanship and free from functional defects for a period of two (2) years from the date of sale.

**This Limited Warranty shall be null and void if the product to which it applies has been installed or maintained in a manner which fails to conform to Seller's installation instructions.**

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