![KNOX - When seconds matter™]

KNOX FDC
PROTECTION PROGRAM

The Knox FDC Protection Program is a complete system that provides protection for both the intake and discharge sides of water-based fire protection systems. This secure, high-quality system provides fire department control over FDC equipment at no cost to your department. When you adopt the FDC Protection Program, Knox Keywrenches are provided to your department at no charge. Building owners in your jurisdiction will be able to purchase Knox FDC Locks™ along with Knox Standpipe Lock™ and Knox Storz Lock™ products. The first shipment of FDC products will be sent after an authorized fire department member has received the Knox Keywrenches.

SECURE FIRE PROTECTION SYSTEMS

Unlike other non-secure FDC caps, Knox locking FDC products protect FDCs from getting clogged or vandalized, ensuring quick access to supplement fire sprinklers in an emergency. Knox FDC Lock removal is quickly and easily accomplished with a Knox Keywrench. The universal Keywrench allows for rapid access to FDCs, while lowering maintenance costs to owners due to unnecessary back flushing from clogged pipes.

PROTECT SPRINKLER SYSTEM PERFORMANCE

A fire sprinkler system is subject to malfunction and malicious attack when foreign matter, such as debris, trash or animal nests, enters the system through an unprotected FDC connection. Knox FDC, Storz and Standpipe Locks deliver clean FDC lines and undamaged connection threads.

Actual Attack Nozzle
A bird nest, 3 birds and a tennis ball entered an unprotected FDC clogging the backup fire line.

REDUCE THEFT OF BRASS CONNECTIONS

In recent years, communities have seen an increase in stolen copper and brass including siamese brass FDC swivel connections. A stolen FDC connection places a building, its occupants and responders at risk. To combat the theft of FDC swivel connections, Knox has developed the Knox FDC Lock with Swivel-Guard™ that covers the entire swivel connection and minimizes the potential of the connection being stolen. With Swivel-Guard™, the set screw is inaccessible making it difficult to remove the brass connection.

PROTECT WATER SOURCE AGAINST THEFT

Water is a precious commodity. The Knox Standpipe Lock and Knox Storz Lock devices lock the connection to non-approved users providing protection against water theft and the potential introduction of harmful substances into the water system. Since both products hold water pressure, they can safely be installed on hydrants.

ENFORCE FDC PROTECTION

Language in the International Fire Code (IFC), International Building Code (IBC) and NFPA 1 Fire Code all authorize the installation of locking FDC caps in your jurisdiction.

THE CODES READ AS FOLLOWS:

2018 NFPA 1, Fire Code | Chapter 13.1.13[1]

"The AHJ shall have the authority to require locking fire department connection (FDC) plugs or caps on all water-based fire protection systems."

2018 IFC | Chapter 912.4.1[2]
2018 IBC | Chapter 912.4.1[3]

"Locking Fire Department Connection Caps: The fire code official is authorized to require locking caps on fire department connections for water-based fire protection systems where the responding fire department carries appropriate keywrenches for removal."

2018 IFC | Chapter 905.11
2018 IBC | Chapter 905.11

"The fire code official is authorized to require locking caps on the outlets on dry standpipe connections standpipes where the responding fire department carries key wrenches for the removal that are compatible with locking FDC connection caps."

2018 International Existing Building Code (IEBC) | Chapter 10, 1011.2.1[4]

Where a change in occupancy classification occurs or where there is a change of occupancy within a space where there is a different fire protection system threshold requirement in Chapter 9 of the International Building Code that requires an automatic fire sprinkler system to be provided based on the new occupancy in accordance with Chapter 9 of the International Building Code, such system shall be provided throughout the area where the change of occupancy occurs.

[1]Also enacted in 2009, 2012 and 2015 (Chapter 13.1.12)
[2]Also enacted in 2003, 2006, 2009 and 2012 (Chapter 912.3.1) and 2015 (Chapter 912.4.1) of IFC editions
[3]Also enacted in 2006, 2009 and 2012 (Chapter 912.3.1) and 2015 (Chapter 912.4.1) of IBC editions
[4]Also enacted in 2006 and 2009 (Chapter 912.2.1) and 2012 and 2015 (Chapter 1012.2.1)

KNOX FDC PROTECTION PROGRAM

KNOX FDC PROTECTION PRODUCTS

	KNOX FDC LOCK™	**KNOX STORZ LOCK™**	**KNOX STANDPIPE LOCK™**
Construction	Solid Stainless Steel Construction	Aluminum	Stainless Steel exterior with solid brass connection
Weight *(approximate)*	2.5" with Swivel-Guard= 4 lbs 2.5"= 3 lbs; 1.5"= 1 lb	4"= 4 lbs; 5"= 7 lbs	2.5"= 7 lbs
Size	2.5" & 1.5" Male NH	4" and 5" sizes	2.5" Female NH
Finish / Options	Bright stainless steel, standard; Polished chrome-like stainless steel and/or Swivel-Guard™, optional	Dark, hard anodized aluminum; Kits available with straight or 30° elbow adapters and StorzGuard™ cap	Stainless steel

Knox FDC Lock with Swivel-Guard™ locked onto siamese connection

Knox Storz Lock secured onto a large FDC

Knox Standpipe Lock on a roof top standpipe

SIZES AND THREADS

In addition to National Hose Thread (NH), the Knox Company manufactures additional thread types as requested by fire departments. If your jurisdiction does not use NH *(formerly referred to as NST)* and you would like to confirm that Knox has your thread pattern in stock, just give your Knox representative a call. For Knox Storz Lock and Knox Standpipe Lock, if additional sizes are required, contact your Knox representative for availability.

KNOX KEYWRENCHES

Once your department has decided on the types of FDC protection products and thread patterns, Knox will deliver Keywrenches to your department. The Keywrenches are provided free of charge. All registered FDC departments are encouraged to request additional Keywrenches for their mutual aid departments. A special contractor registration form is also available if your department wishes to authorize local contractors to obtain Knox Keywrenches.

SECURE FIRE DEPARTMENT CONNECTIONS

Trust Knox Locking FDC Caps *to protect what matters when it matters.*

THE KNOX FDC PROTECTION PROGRAM

- Authorized by International Fire and Building Codes
- Authorized by NFPA 1
- Supplies long-term FDC protection against vandalism
- Prevents foreign matter from entering sprinkler systems
- Provides secure protection at no cost to your department

DEPEND ON KNOX QUALITY

Knox FDC, Storz and Standpipe Locks are part of the Knox Rapid Access System manufactured by the Knox Company. The highest quality materials and workmanship are used in the manufacturing process. For over forty years, Knox has consistently proven that our products are built to last.

GET STARTED

- Establish your local policy, decide on FDC implementation plan and roll out date
- Determine FDC protection products and thread patterns
- Call Knox to get free Keywrenches for vehicles, personnel, mutual aid departments
- Publish your FDC policy and requirements on your website
- Set up training for your personnel on the use of the Knox Keywrench

NEW!
KNOX FDC SPANNER WRENCH

Knox has developed a new multi-functional tool to include a universal key that opens Knox FDC, Storz, Standpipe Locks.

To place an order, call VSC at
703-584-2200

TO LEARN MORE,

CALL: **703-584-2200** OR VISIT: **KNOXBOX.COM/FIRE-DEPARTMENT-CONNECTION**

ABOUT KNOX COMPANY

Over forty years ago, a unique concept in rapid access for emergency response was born. The KnoxBox®, a high-security key lock box, was designed to provide rapid access for emergency responders to reduce response times, protect property and minimize injuries from forced entry.

Today, one revolutionary lock box has grown into a complete system providing rapid access for public safety agencies, industries, military, and property owners across the world. The Knox Company is trusted by over 14,000 fire departments, law enforcement agencies, and governmental entities.

KNOX®
When seconds matter™

Knox Trusted Partner

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