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VISION رؤية 2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA

RIYADH
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EXPO 2030

SAUDI MADE
صناعة سعودية

SFFECO
Est.1983

SFFECO SINCE 1983

شركة المصنع السعودي لأجهزة الإطفاء سفيكو
SAUDI FACTORY FOR FIRE EQUIPMENT Co.

Empowering a Safer Future for the Kingdom



Pre-Piped
Pre-Action
System Cabinet

Quality Approvals for Various Products and Services

VER: 00-09/26

Assessed to ISO 9001:2015
Cert. No.: 1516

bsi.

THOMAS BELL-WRIGHT

LISTED

CLASSIFIED

FM APPROVED

SASO QUALITY MARK

NFPA MEMBER

The Global Standard in Fire Safety

Since 1983, SFFECO has been the trusted name and a recognized global leader in manufacturing top-tier fire-fighting equipment. We don't just offer products; we provide total fire safety solutions like fire doors, fire cabinets, fire pumps, fire extinguishing systems, etc. Our commitment to excellence is certified by multiple international standards, including ISO 9001 (Quality), ISO 14001 (Environmental), and ISO 45001 (Health & Safety). With state-of-the-art facilities in Riyadh and Dubai, we ensure every product meets rigorous international quality standards.

One-Stop-Shop for Fire Protection

SFFECO is your single source for everything in fire protection and fire-fighting. Represented in over 100 countries through a vast network of dealers, our innovative approach and comprehensive, end-to-end product range deliver the full spectrum of solutions you need. We're dedicated to keeping you safe and updated, constantly integrating the latest fire-fighting technology into our knowledge and services. Choose SFFECO and get certified quality, global reach, and pioneering innovation—all in one place.



Quality Services

SFFECO is deeply committed to ensuring superior performance and accuracy in every product it delivers. This dedication is maintained through continuous, close collaboration with a wide array of stakeholders, including key certification bodies, government regulatory agencies, industry partners, and leading technology associations. This concerted effort focuses on the development and delivery of truly innovative and high-quality fire-fighting solutions. The commitment to excellence is rigorously upheld through extensive product testing and evaluation, alongside a strict, ongoing process for continued product quality compliance, guaranteeing that SFFECO's equipment operates with assured reliability when it matters most.

SFFECO is dedicated to providing fire safety products of the highest quality and performance. We achieve this by working closely with certification bodies, government regulatory agencies, industry partners, and technology associations. This collaboration ensures our innovative products are backed by extensive product testing and evaluation, and maintained through continuous quality compliance.

As global leaders since 1983, SFFECO believes in manufacturing quality products and offering exceptional service standards worldwide. Our primary goal is to reward our customers by keeping their investments safe and secure. Our manufacturing plant has steadily grown and is now equipped with modern hi-tech equipment and staffed by highly skilled professionals. With optimal ISO-certified operations, we consistently roll out products that match global standards to serve the needs of the growing fire safety market.

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Pre Piped Pre-Action System Cabinets

General Description

The SFFECO Pre Piped Pre-Action System Cabinet is an advanced, factory-assembled fire protection solution engineered to deliver reliable and controlled protection for critical and water-sensitive environments. Combining the deluge valve, double-interlock electric/pneumatic trim, air compressor, pressure monitoring components, and dedicated releasing panel within a single enclosure, the system provides a complete and professionally integrated pre-action solution.

Designed to minimize the risk of accidental water discharge, the system releases water into the sprinkler piping only when the required fire detection and pneumatic activation conditions are satisfied. This controlled operation provides an added level of protection for valuable equipment, electrical installations, sensitive materials, documents, and other assets where unintended water discharge could result in significant damage.

The factory pre-piped and assembled configuration reduces on-site installation requirements and helps ensure a neat, consistent, and professionally organized installation. By bringing the major system components together in one cabinet, SFFECO provides an efficient solution that simplifies installation, commissioning, inspection, and maintenance while making optimum use of available floor space.

System status can be monitored conveniently through the cabinet, with essential pressure gauges and releasing system indications clearly visible without the need to open the enclosure. The integrated air compressor supports the system's pneumatic requirements, while the dedicated releasing panel provides centralized control and monitoring of the pre-action system.

The SFFECO Pre Piped Pre-Action System Cabinet is ideal for applications requiring both effective fire protection and enhanced asset protection.





Common Applications

The SFFECO Pre Piped Pre-Action System Cabinet is suitable for protected areas where early fire detection is required while minimizing the risk of unintended water discharge, including:

- Data centers and server rooms
- Telecommunication and IT facilities
- Electrical and control rooms
- Archives and document storage areas
- Museums and heritage facilities
- Clean rooms and specialized industrial areas
- Cold storage and refrigerated facilities
- Warehouses containing water-sensitive materials
- Critical process and equipment areas

Pre Piped Pre-Action System
Cabinets

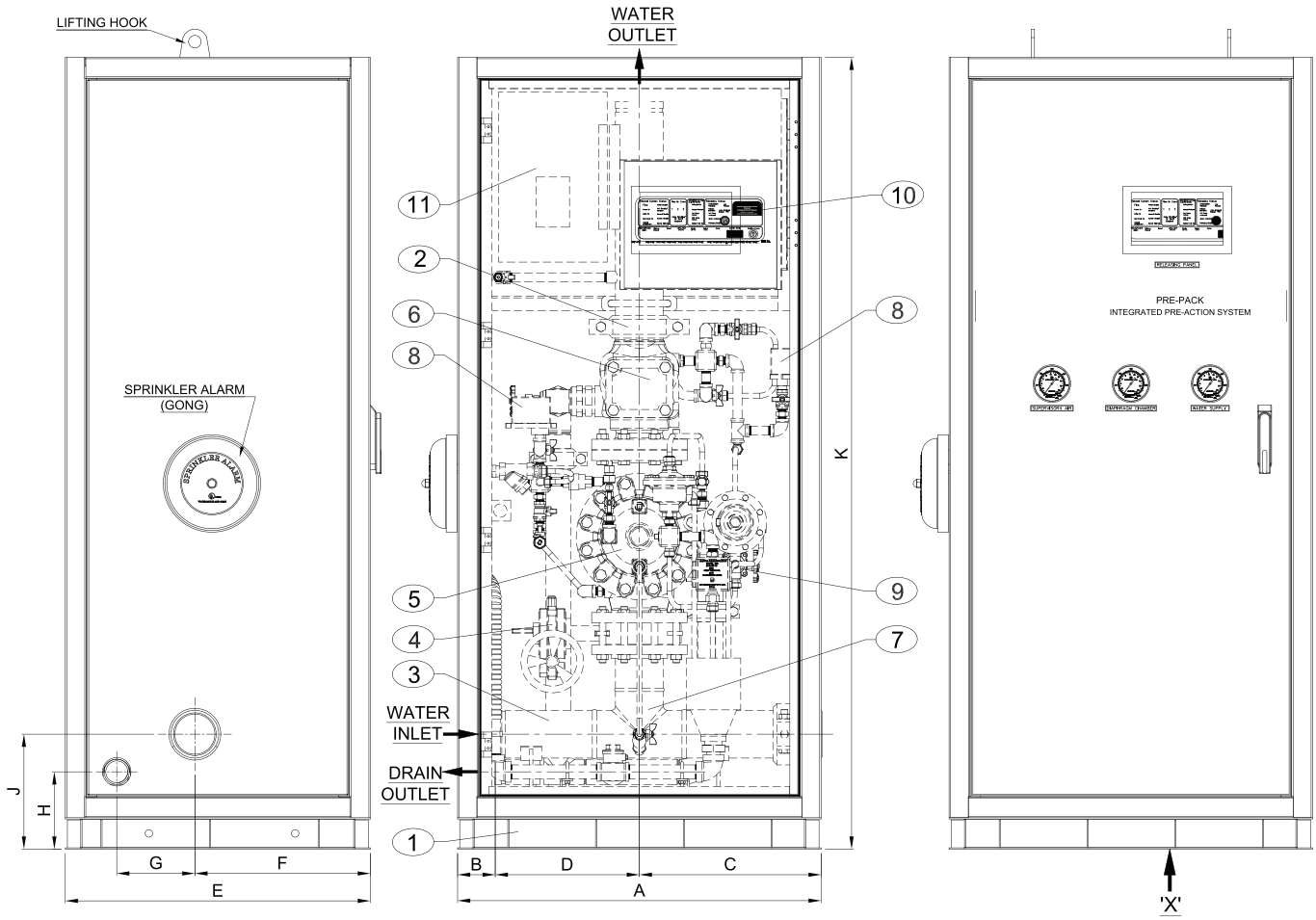
Key Features:

- Double-interlock electric/pneumatic operation for controlled system activation
- Pre-piped and factory-assembled valve package for simplified installation
- Integrated deluge valve and trim assembly
- Built-in air compressor for system air supply
- Integrated releasing control panel for system monitoring and release functions
- Pressure gauges and essential system indications visible through the cabinet
- Compact, self-contained cabinet design for efficient space utilization
- Maximum rated pressure of 17.5 kg/cm² (250 psi)
- Grooved connections for convenient installation
- Professionally assembled and organized piping and trim arrangement

Benefits:

- Reduces the risk of accidental water discharge in sensitive areas
- Provides controlled activation through coordinated fire detection and pneumatic conditions
- Saves installation time through factory pre-piping and assembly
- Simplifies commissioning and maintenance through an integrated cabinet arrangement
- Improves system monitoring with externally visible gauges and releasing panel indications
- Optimizes floor-space utilization with a compact cabinet design
- Provides a professional and aesthetically neat appearance for indoor installations
- Helps protect valuable equipment, documents and sensitive materials where unwanted water release could cause significant damage

Drawing:



In keeping with our policy of continuous product improvement, SFFECO reserves the right to change specifications without prior notice.

Pre Piped Pre-Action System Cabinets

#	Description	Specification
1	Base Frame	Carbon Steel
2	Grooved Coupling	Ductile Iron ASTM A536 (65-45-12)
3	Pipe	ASTM A-106/ASTM A-53 SCH .- 40/IS:1239-1
4	BFV Gear Oprt. With Tamper Switch	D.I., Lifeco Make
5	Deluge Valve	Model-LF-DIPA, Size-50,80,100,150 & 200 NB With Double Interlock Electric/Pneumatic Trim
6	Check Valve	Ductile Iron ASTM A536 (65-45-12)
7	Butt Welded Fittings	ASTM A-234 Gr. WPB
8	Prssure Switch PS-10	Potter Make, WP
9	Solenoid Valve-2 Way	24V DC, WP, Parker Make
10	DV Releasing Panel	HAWK Releasing Panels SUF/M panel -red 230v Model LF1810-13 UL/FM
11	Air Compressor	General Air Proct
12	Cabinet	C.S. Finish RAL 3001

Dimension:

SIZE	A	B	C	D	E	F	G	H	J	K	L	M
200 NB	930	80	465	385	850	476	259	190	340	2275	580	820
150 NB	930	80	465	385	750	420	215	190	315	2035	580	720
100 NB	870	90	435	345	730	420	187	185	275	1895	520	700
80 NB	800	152	400	248	690	407.5	171	185	275	1785	450	660
50 NB	800	152	400	248	690	407.5	171	185	275	1785	450	660

Other Technical Informations:

- System Type: Double-Interlock Pre-Action
- Actuation: Electric / Pneumatic
- Nominal Sizes: 50-200 NB
- Maximum Rated Pressure: 250 psi / 17.5 kg/cm²
- Cabinet Material: Carbon Steel
- Cabinet Finish: RAL 3001
- Air Supply: Integrated Air Compressor
- Releasing Control: Lifeco Brand, HAWK SUF/M Releasing Panel
- Solenoid: 24 VDC
- Pipe: Schedule 40
- Grooved Coupling: Ductile Iron ASTM A536
- Installation Type: Free-Standing Cabinet

Note: Dimensions may vary depending on additional piping supports, leg arrangements, end-user requirements, site conditions, or other project-specific modifications. Specifications, components, and configurations are subject to availability and may vary based on customer requirements and project specifications. SFFECO reserves the right to make changes without prior notice.

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Since 1983, SFFECO has been a trusted name in fire protection, known for innovation and quality worldwide.

With state-of-the-art facilities in Riyadh and Dubai, we deliver a complete range of firefighting solutions that meet international standards.

Our innovative approach and comprehensive product portfolio make SFFECO the one-stop destination for reliable fire protection products and services.

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SAUDI FACTORY FOR FIRE EQUIPMENT Co.

FACTORY & HEAD OFFICE - RIYADH
2nd Industrial Area, Al-Kharj Road, Riyadh, KSA, P.O. Box: 58469, Riyadh 11515
Tel : +966 11 2650070, E-mail: riyadh@sffeco.com.sa

JEDDAH BRANCH
P.O. Box: 16769, Jeddah – 21474, KSA
Tel : +966 12 670 6009,
E-mail: jeddah@sffeco.com.sa

DAMMAM BRANCH
P.O. Box: 7162, Dammam – 31462, KSA
Tel : +966 13 8351961,
E-mail: dammam@sffeco.com.sa

MADINAH BRANCH
Tel : 0148660959, 0148283256,
E-mail: madinah@sffeco.com.sa



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