

# Protector Safety Ind. Co

2024.01

# Overview

- Company Overview
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# Profile

- Established: 1997
- Location: Taoyuan, Taiwan
- Employees: 50
- Core Business: Manufacturing of Fire Safety Products
- Core Products: Sprinklers, Valves, Nozzles
- Website: [www.protector.com.tw](http://www.protector.com.tw)

# History

*Founded in  
1997*

*2000:  
Obtained UL  
listing for  
Concealed  
including  
multiple  
patents*

*2012:  
Obtained UL  
listing for  
Open Spray  
Nozzles*

*2014: New  
Concealed  
type FM  
approved  
with  
multiple  
patents*

*2016:  
First in Asia  
to obtain  
UL listing for  
extended  
coverage  
sidewall*

*2000:  
Obtained  
UL listing  
for K5.6  
Upright &  
Pendent*

*2010:  
Obtained UL  
listing for  
K5.6  
Sidewall*

*2014:  
First in Asia  
to obtain  
UL AND FM  
approved  
K5.6  
sprinklers*

*2016:  
Obtained UL  
listing for  
K8  
sprinklers*

*2017:  
UL Listed  
Open Type  
Spray  
Nozzle  
System  
used in  
tunnels*

# Vision

- Develop products focusing on quality and sustainability
- Provide innovative solutions and enhance the development of the fire protection industry
- To become the leading sprinkler manufacturer in Asia

# Mission

- Manufacture high-quality fire-fighting equipment to improve fire safety
- Improve fire safety with innovative solutions
- Manage the fire protection business with a customer-first attitude
- Fulfill corporate social responsibilities

# UL and FM

- **Underwriter Laboratories & Factory Mutual** are the benchmark industry standards for Fire Safety worldwide
- **UL199 Sprinkler Standard**
  - Roughly around 46 different type of tests
  - Including but not limited to: frame, leakage, water hammer, sensitivity, distribution, corrosion, fire tests
- **FM2000 Sprinkler Standard**
  - Roughly around 44 types of different tests, similar to UL.
  - Recognized in the market as the more stringent standard
- **Protector is the first manufacturer in Asia to have both UL listed and FM approved sprinklers**

# UL and FM

- Listed and Approved Products Include:

- UL

- Sprinkler (Standard and Quick Response)

- K5.6 Upright, Pendent, Hori./Vert. Sidewall, Concealed, Conventional, Extended Coverage Sidewall

- K8 Upright, Pendent, Sidewall, Extended Coverage Sidewall

- Valves

- Deluge Valves (2", 2-1/2", 3")

- Alarm Check Valves (4", 6")

- FM

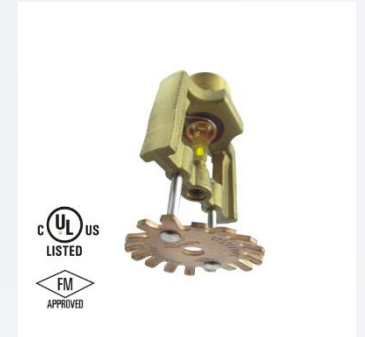
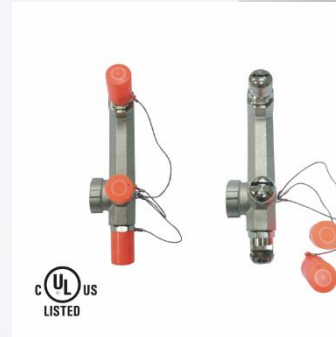
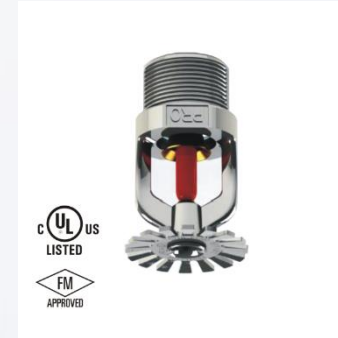
- Sprinklers (Standard and Quick Response)

- K5.6 Upright, Pendent, Concealed (Standard Response), Hori. Sidewall

- K8 – Under testing**

# Main Products

- PRO Sprinkler Systems
- Alarm Check Valves and Deluge Valves
- Tunnel Open Spray Nozzle System
- Open Type Spray Systems
- CFC Sprinkler Systems (Local Market)
- Closed Foam System (Local Market)
- Slowly Descending Device (Local Market)
- Couplings and Fire Hose (Local Market)



# Sprinklers

- **K5.6 [UL/FM\*]**

Upright, Pendent, Horizontal and Vertical Sidewall, Concealed, Conventional, Extended Coverage, Recessed

*\* Vertical Sidewall and Conventional are UL only, not FM approved*

- **K8 [UL] [Under testing at FM]**

Upright, Pendent, Horizontal Sidewall, Concealed, Extended Coverage, Recessed

- **K11.2 [Under testing at UL]**

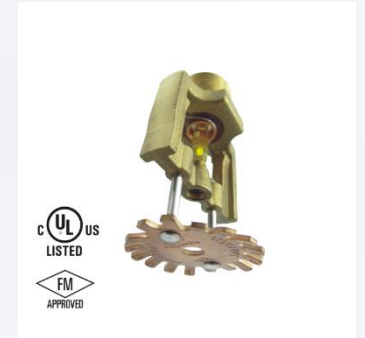
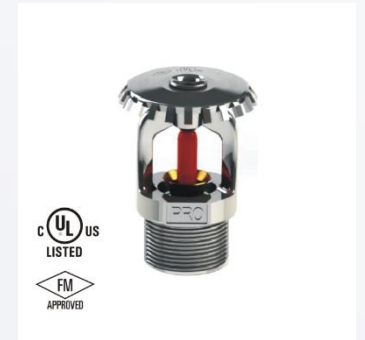
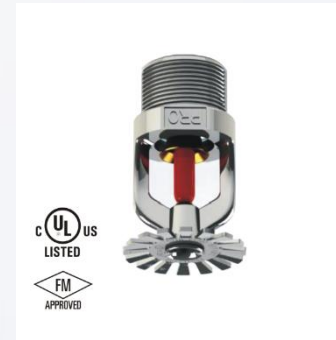
Upright, Pendent

- **K11.5 and K14**

Upright, Pendent

- **ESFR 25.2**

Under Development



# Valves

- Alarm Check Valves

Model P 175PSI [UL] - 4" and 6"

Model H 250PSI [UL/FM] - 4", 6" and 8"

- Deluge Valves

Model P 175PSI [UL] - 2", 2-1/2", 3"

Model H 250PSI [UL] - 2", 3", 4", 6", 8"

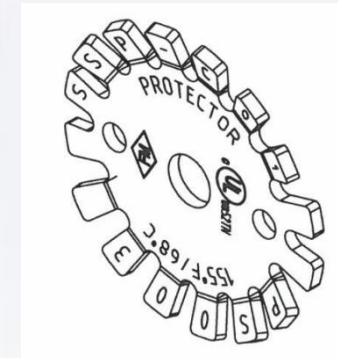
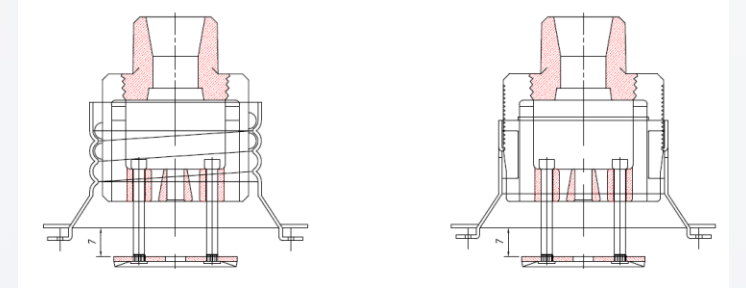
- Under development

Model P 250PSI and 300PSI ACVs - 4", 6", 8"



# Advantages

- ISO 9001 2015 Approval – Obtained ISO in 1998
- UL listed and FM approved Products
- Company in-house Laboratory (Level: TAF)
- Product Quality
- Patented Manufacturing Equipment
- Multiple Patent Holder; Strong Development Capabilities
- Experienced in International Sales (over two decades)
- Many global partners



# International Market

- We export to over 23 countries including:

Middle East, South East Asia, India,  
Australia, Parts of Africa, Parts of South America



# Projects – Australia



Narellan Town Centre



Westpoint Blacktown



55 market Mirvac Bldg.



Sydney University



Darling Park Tower 1

# Projects – Vietnam



Vinhomes Ocean Park



Arena Resort



Vinfast Factory



Government Guest House



Doji Land

# Projects – Malaysia



Park Royal Langkawi Resort



Top Glove



Johor Specialist Hospital



Duopharma BioTech

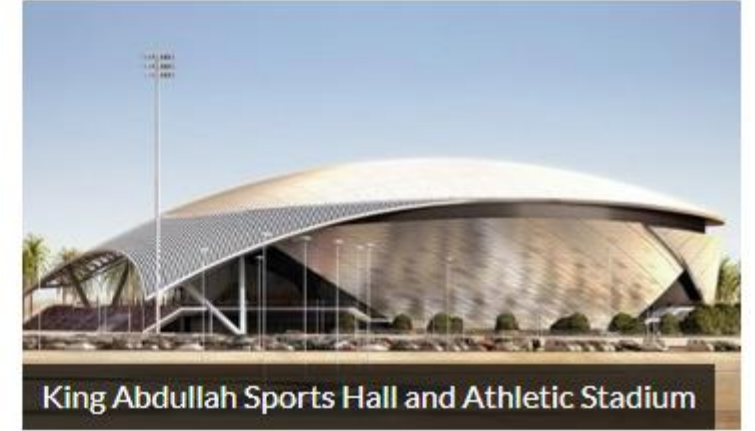


SSM IPOH

# Projects – Middle East



# Projects – Middle East



# Local Market

- Multiple HSR Stations
- Taipower Ta Tan Plant
- Multiple Taiwan Metro Stations
- Keelung Marine Museum
- Nangang Expo Center
- National Palace Museum (Jiayi)
- Kaohsiung 85 Bldg.
- Kaohsiung Yi Da Mall
- Wei Wu Ying National Art Center
- High-Tech Manufacturing plants

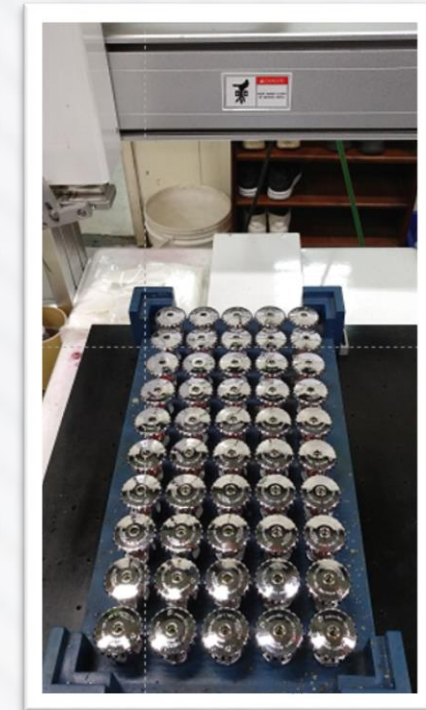
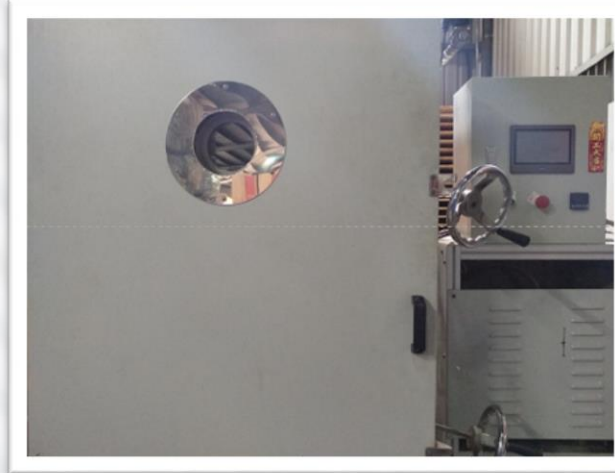


# Market Voices

- *“During my tenure of 10+ years, Protector’s sidewall sprinkler is the first sprinkler that passed all test in one go.”*  
– FM Engineer
- *“Protector’s sprinklers quality is top notch and has allowed me to sleep soundly at night the past 10 years without worrying about any leakage issues, truly admirable.”*  
– Company CEO, Middle East
- *“Protector’s sprinkler quality is well known here in South East Asia. When we think of Protector we think quality.”*  
– Managing Director, Singapore

# Manufacturing

- Follow ISO 9001 quality management system and the standard inspection mode of FM and UL to ensure high-level product quality.



# Certificates

- ISO, UL and FM Certificates



# Development Plans

- Years of accumulated technical experience
- Strong R&D team
- Customization
- Multiple patents
- Products under development:
  - K11.2 CMDA (Control Mode Density Area)
  - K25.2 ESFR (Early Suppression Fast Response)
  - Alarm Check Valves 250PSI and 300PSI (size 4", 6" and 8")

**PROTECTOR**

