



BIGLEAP FIRE EXTINGUISHER (Clean Agent and Dry Chemical)

Hfc-227ea and FK-5112

Portable

- 20lbs

Wheeled Type

- 50lbs

Ceiling Type

- 10lbs

- 20lbs



Dry Chemical (Mono Ammonium Phosphate)

Portable

- 10lbs

Wheeled Type

- 50lbs



Service Offer

- Supply and Installation
- Design and Build
- Testing & Commissioning
- Providing Hydraulic Flow Calculations



Major Project



MAINTENANCE & REFILLING

Refilling of Agent

Experience peace of mind with our Clean Agent Fire Suppression and Refilling services. We specialize in Streamlined Import-Export processes, executed with the expertise of our professional team. Our commitment goes beyond just extinguishing fires; we prioritize minimizing your downtime. Count on us for long-term service, backed by cutting-edge machinery, ensuring your safety is our top priority.



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BIGLEAP
TECHNOLOGIES INC.



**Protecting Life,
Property, and
Environment**

CONVENTIONAL FDAS SYSTEM



- Sigma A-CP
CU2R-240**
- Advanced configuration options
 - 2 zones up to 8 zones
 - UL864 listed



- Sigma A-CP Annunciator Panel
CURRA**
- UL 864 Approved
 - Fire, Trouble and Supervisory annunciation
 - Four wire connection (data and power)



- Smoke Detector
CDU-PSC**
- Low profile, 2" high (with base)
 - 2 or 4 wire base compatibility



- Heat Detector
CDU-HD-135**
- Low profile – only 2.00" high (with base)
 - 2 or 4 wire base compatibility



- Manual Pull
CMU-MPS**
- Metal construction
 - Enclosed switch with glass rod (included)



- Bell
CBRU6**
- Alarm Current 13.5mA at 24Vdc
 - UL Listed



- Releasing Panel
OMAUC7R-AV**
- Multi-Hazard Capability
 - Up to 35 standard programs in panel memory
 - UL864 listed



- Manual Pull and Abort Station
OSAUCR-MPAS**
- 24 VDC, 2.5 Amps.
 - UL Listed



- Horn Strobe and Light
OUC24WR-HR**
- Alarm Current .20mA @ 24VDC
 - UL Listed

ADDRESSABLE FDAS SYSTEM



- Elite RS
FU1R**
- Stores 1000 last events in history log
 - Large graphic display
 - 1 Loop to 2 Loop



- TAKTIS
TU28-5**
- Ranges from 2 to 16 detection loops
 - 2 loop to 8 loops or 2 to 16 loops version
 - Multiple protocols supported



- Smoke Detector
ADU-PS**
- Low profile – only 2.00" high, including base.
 - Simple and reliable device



- Heat Detector
CDU-HD-135**
- Low profile – only 2.00" high, including base.
 - Simple and reliable device addressing



- Manual Pull
AMU-MP**
- Key lock or hex key-lock models are available
 - UL available



- Horn Strobe and Light
AAU-HS24**
- Nominal Voltage 24VDC
 - UL Listed



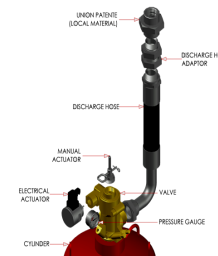
- Conventional Panel
OFUC4R-E**
- Configurable using DIP switch
 - Selectable Alarm Verification on Initiating Circuits
 - 4 Zones to 8 Zone



- Annunciator
OLAUC16**
- Maximum P-Link wire length of 6,500 feet
 - Capable of displaying alarms, supervisory, trouble status for 16 zones
 - Common LEDs for status indication



- Bell
OUC6R-B**
- Alarm Current .20mA @ 24Vdc
 - UL Listed

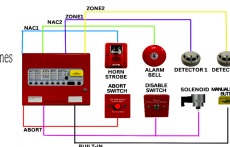


SAMPLE DIAGRAM

Electrical Setup for Extinguishing System

Sigma A-XT CSAU3R230

- Three initiation circuits as standard
- Any single zone or any combinations of zones can be configured to release
- Supports up to seven, four wire status indicators
- Built in Extract Fan control
- UL864 and FM Listed

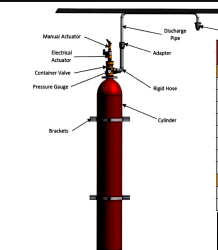
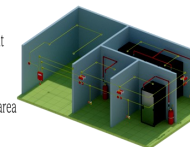


FDAS & Extinguishing System Layout

"Fire Detection and Alarm and Extinguishing combo Panel combines the multi hazard suppression and fire alarm detection capability in just one Fine Panel, providing cost savings and simplicity in installation"

XT + 2 Releasing Panel FMAU2R-230

- Up to 2 releasing areas / hazards per XT+ unit
- Dual releasing outputs for each area (configurable as Main / Reserve)
- First and second stage NAC outputs for each area
- Programmable output duration
- UL 864 10th Edition Listed



Cylinder Sizes (L / kg)	
25 BAR	
25	38
61	80
84	120
127	180
34 BAR	
368	501
PERCENTAGE EXTINGUISHMENT (at 20 °C)	
STANDARDS AND REGULATIONS	MEPA
CLASS A	% 7.0
kg/m ³	0.340
CLASS B	% 8.7
kg/m ³	0.695
CLASS A/ CLASS C	% 7.8
kg/m ³	0.619



Chemical Properties	
IG-55	50% Nitrogen + 50% Argon
IG-100	100% Nitrogen
IG541	52% Nitrogen + 40% Argon + 8% CO ₂

Noticeable Features

- The highest inertization capacity
- Adaptability to ensure a wide range of uses.
- Clean and non-toxic, does not damage the equipment.
- Allow long and complex pipe runs.
- Zero residues; requires no further cleaning.
- Suitable for occupied areas, stimulates breathing.
- SIEX quality and safety warranty with international certification.



Agent Characteristics

HFC-227ea and FK-5112 are odorless and liquefied compressed gases. It leaves no residue, colorless and electrically non-conductive when discharge into hazard. These chemicals eliminate the heat element in fire tetrahedron.

The HFC-227ea and FK-5112 differ from each other in their atmospheric lifetimes. The atmospheric lifetime of HFC-227ea is approximately 31 to 42 years, while the atmospheric lifetime of FK-5112 is approximately 5 days.

APPLICATION

- Telecommunications
- Control Room
- Clean Room
- Hospitals
- Data Center
- Electrical Cabinets
- Laboratories
- Art Galleries & Museums

