

ATEX

DATA SHEET

USE OF HAFEX ATEX TYPE ACTIVATOR (AT-IGN) WITH AEROSOL FIRE EXTINGUISHERS

HAFEX ATEX TYPE ACTIVATOR is designed for safe blasting operations in hazardous environments where explosive gas, vapor, mist, or dust may be present. Equipped with an internal terminal block for secure interconnection, its anti-static and spark-free design prevents unintended ignition.

The activator is suitable for demanding applications across the Mining Industry, Oil & Gas Sector, Chemical Industry, and Defense & Military environments. Manufactured in compliance with EU ATEX directives, it enables controlled explosions in explosion-risk zones.

HAFEX ATEX TYPE ACTIVATOR is available in Short, Medium, and Long versions and is compatible with Mini HAFEX and Grand HAFEX aerosol fire extinguishers.

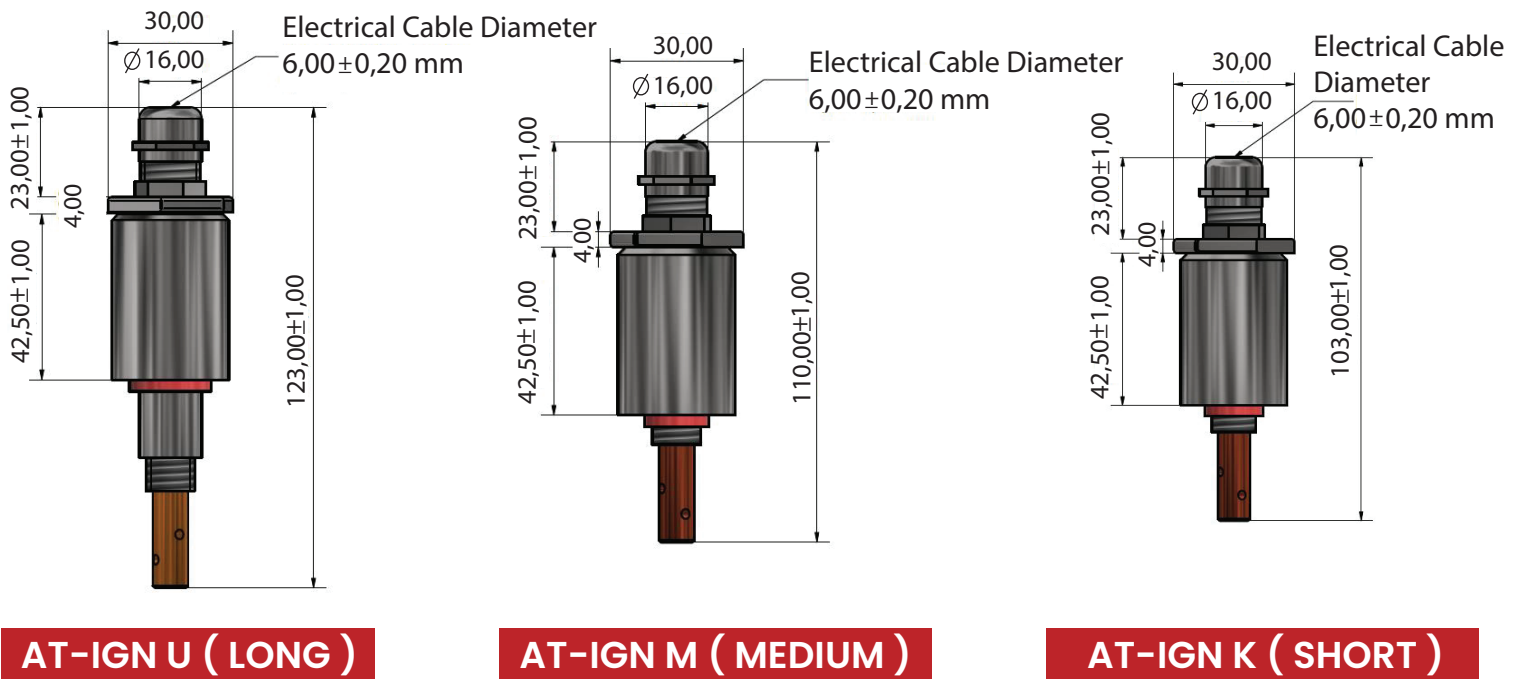


Figure-1. Three different versions of the HAFEX ATEX TYPE ACTIVATOR (AT-IGN) and activation temperature options.

1.1 REDUCER AND UNARMoured CABLE GLANDS

The body of the HAFEX ATEX TYPE ACTIVATOR models produced was created with equipment that meets certain criteria in international standards. Current technical information of these equipment is given in the following figure-2 and figure-3.

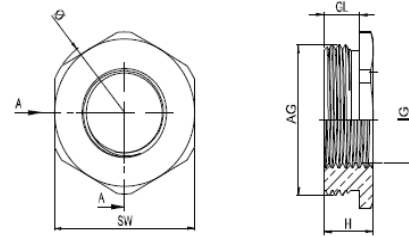


Figure-2 Technical information of the product coded RCN1-M25m-M16f.

1.1 REDUCER

TECHNICAL DETAILS:

TYPE:	RC TYPE REDUCER
PROTECTION CODE:	M2 Ex db Mb/ M2 Ex eb Mb 2G Ex db C Gb/ 2G Ex eb Gb 1D Ex ta C Da
CERTIFICATE:	EP 15 ATEX 033U ATEX, ROHS, CE, PT, TUV
MATERIAL STANDARDS:	Brass, Brass with Nickel Plated Stainless Steel EN 60079-02012 /60079-1 2007/60079-7 2007 60079-31 2009
O-RING:	NBR / SILICON
PROTECTING CLASS:	IP66-IP68
APPLICATION AREA:	ZONE 1, ZONE 2, ZONE 22 GAS GROUPS A, B, C

CERTIFICATIONS:



HAFEX
HYBRID AEROSOL FIRE EXTINGUISHING SYSTEMS
HİBRİT AEROSOL YANGIN SÖNDÜRME SİSTEMLERİ

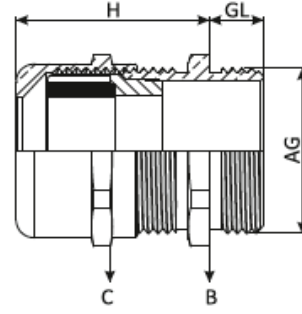


Figure-2. Technical information of the product coded UAGN1-16-M16.

UNARMoured CABLE GLANDS

TECHNICAL DETAILS:

TYPE:	UAG (Un-ar) Unarmoured Gland
PROTECTION CODE:	M2 Ex db, Mb/ M2 Ex eb, Mb 2G Ex db, C Gb/ 2G Ex eb, Gb, 2D Ex ta, C Da
CERTIFICATE:	EP 14 ATEX 02 17X ATEX, ROHS, CE
MATERIAL	MS58 Brass with or without Nickel Plated Stainless Steel AISI303 / 316L / Aluminium
STANDARDS:	EN 60079-02012 /60079-1 2007/ 60079-7 2007 60079-31 2009
TEMPERATURE:	-30°C +120°C NBR -40°C +100°C NEOPRENE -60°C +180°C SILICONE -30°C +100°C TPE/V
PROTECTION CLASS:	IP68
APPLICATION AREA:	ZONE 1, ZONE 2, ZONE 22 GAS GROUPS A, B, C
CABLE TYPE:	UNARMoured

CERTIFICATIONS:



HAFEX ATEX TYPE ACTIVATOR (AT-IGN K SHORT SIZE)

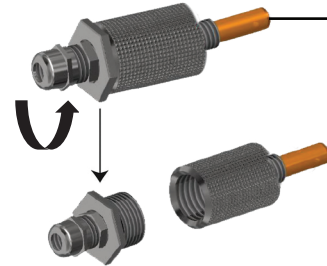
Installation Instructions for Models HFX-50, HFX-100 and HFX-200

1



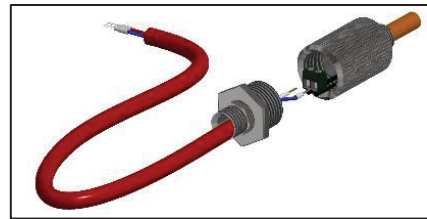
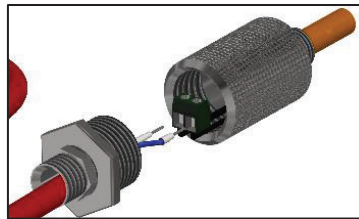
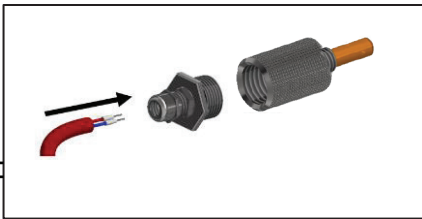
Remove the Electrical Activation unit from the HAFEX aerosol generator by turning it counterclockwise.

2



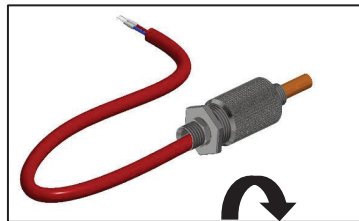
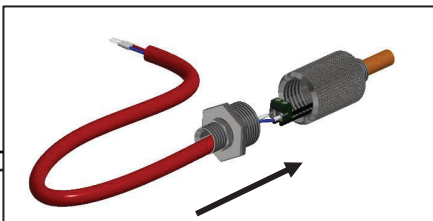
Unscrew the cable-connection socket cover on the HAFEX ATEX TYPE ACTIVATOR counterclockwise

3



Insert the cable through the socket opening and make the terminal (clamp) connections inside the enclosure using a test pen.

4



Re-tighten the socket opening by turning it clockwise once the cable connection is complete.

5

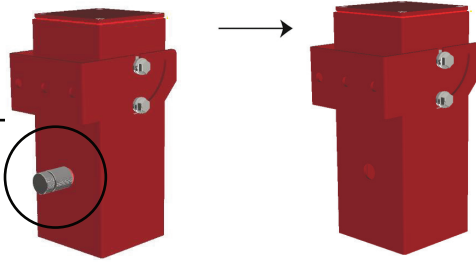


Install the HAFEX ATEX TYPE ACTIVATOR by screwing it clockwise into the activation port.

HAFEX ATEX TYPE ACTIVATOR (AT-IGN M MEDIUM SIZE)

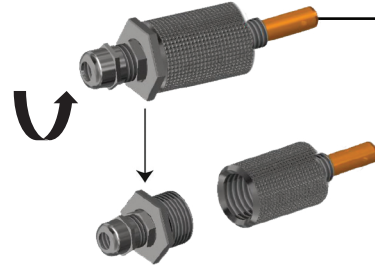
Installation Instructions for HFX-500

1



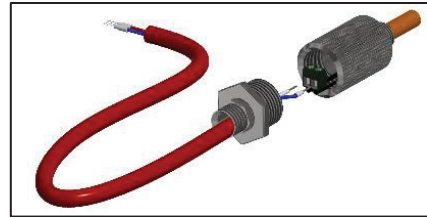
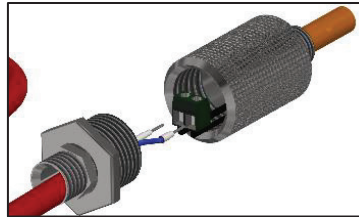
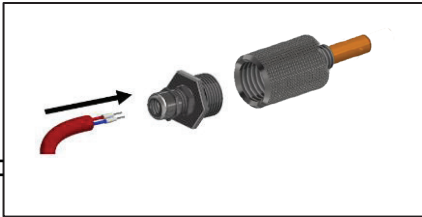
Remove the Electrical Activation unit from the HAFEX aerosol generator by turning it counterclockwise.

2



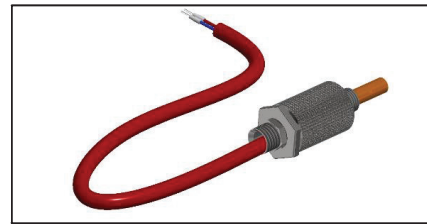
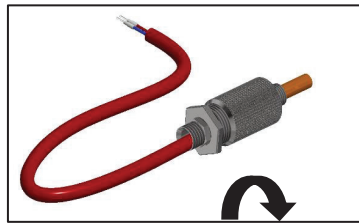
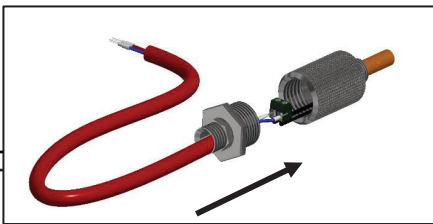
Unscrew the cable-connection socket cover on the HAFEX ATEX TYPE ACTIVATOR counterclockwise

3



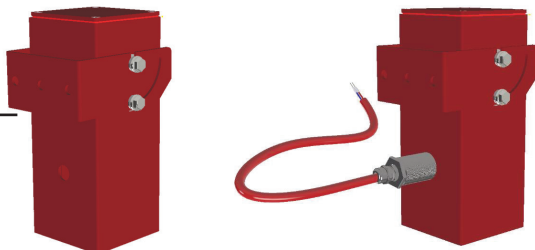
Insert the cable through the socket opening and make the terminal (clamp) connections inside the enclosure using a test pen.

4



Re-tighten the socket opening by turning it clockwise once the cable connection is complete.

5

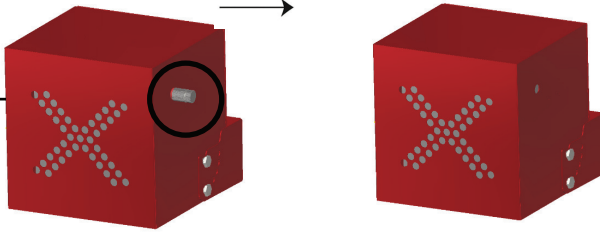


Install the HAFEX ATEX TYPE ACTIVATOR by screwing it clockwise into the activation port.

HAFEX ATEX TYPE ACTIVATOR (AT-IGN U LONG SIZE)

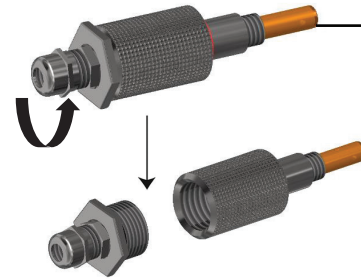
Installation Instructions for HFX-1100, HFX-2200, HFX-3400, HFX-4500, HFX-6000

1



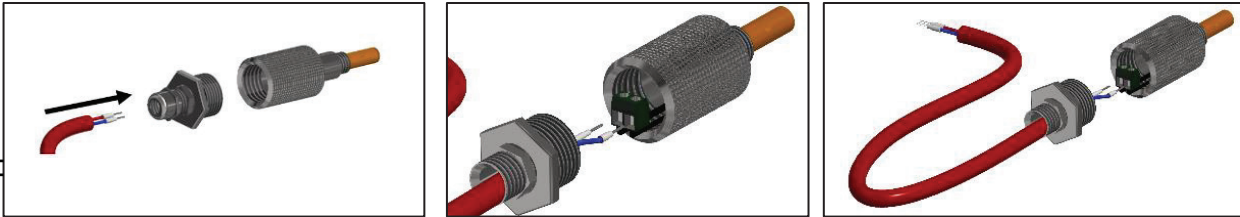
Remove the Electrical Activation unit from the HAFEX aerosol generator by turning it counterclockwise.

2



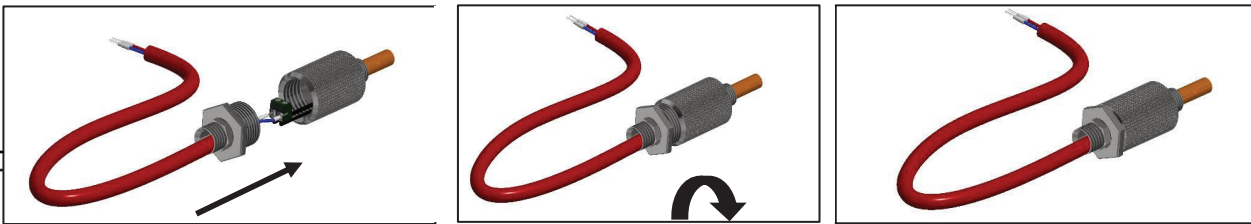
Unscrew the cable-connection socket cover on the HAFEX ATEX TYPE ACTIVATOR counterclockwise

3



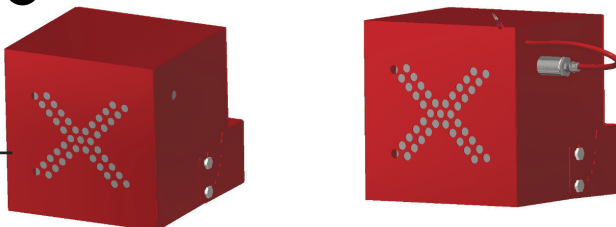
Insert the cable through the socket opening and make the terminal (clamp) connections inside the enclosure using a test pen.

4



Re-tighten the socket opening by turning it clockwise once the cable connection is complete.

5



Install the HAFEX ATEX TYPE ACTIVATOR by screwing it clockwise into the activation port.



ATEX CERTIFICATE INFORMATION – HAFEX BRAND

- Equipment or protective system intended for use in potentially explosive atmospheres:
Directive 2014/34/EU

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- Equipment: Aerosol Fire Extinguisher:
TYPES: HFX-50, HFX-100, HFX-200, HFX-500, HFX-1100, HFX-2200, HFX-3400, HFX-4500, HFX-6000

-
- Essential Health and Safety Requirements is made about reference standards:
EN 60079-0:2018, IEC 60079-33:2012

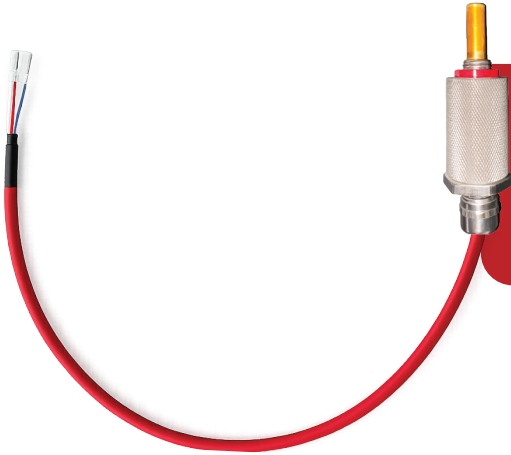
-
- The marking of the equipment:

 **II 3G Ex sc IIC T5...T1 Gc**



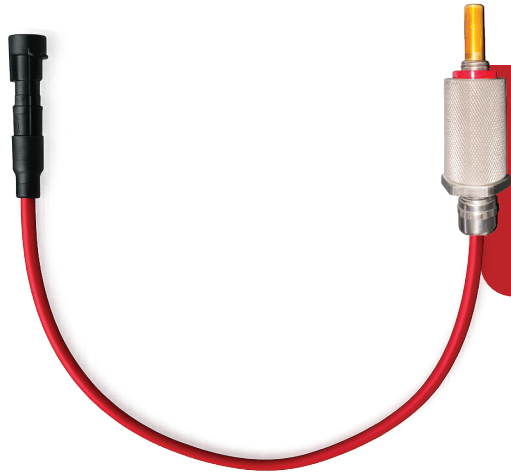
HAFEX®
HYBRID AEROSOL FIRE EXTINGUISHING SYSTEMS
HİBRİT AEROSOL YANGIN SÖNDÜRME SİSTEMLERİ

ATEX PRODUCT SHOWCASE



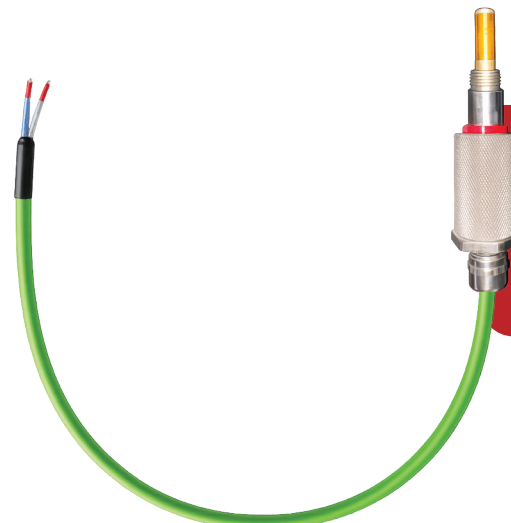
PRODUCT NAME: ATEX ACTIVATOR AND LAND
TYPE CONNECTOR

PRODUCT CODE: AT-IGN-LTA (K, M, U)



PRODUCT NAME: ATEX ACTIVATOR AND VEHICLE
TYPE CONNECTOR

PRODUCT CODE: AT-IGN-VTA (K, M, U)



PRODUCT NAME: ATEX ACTIVATOR AND MARINE
TYPE CONNECTOR

PRODUCT CODE: AT-IGN-MTA (K, M, U)



YG FIRE SECURITY
INDUSTRY AND
FOREIGN TRADE
LIMITED COMPANY

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