

Vehicles



Electrical Panels



Server Racks



Window AC

**Answer to
Unforeseen
Fires 24x7**

The system is designed for protection of small enclosures with greater risk of fire. It operates automatically without any power supply by detecting higher temperatures. When the temperature in the protected enclosure rises to a critical threshold, the heat sensitive tube melts / ruptures down at the point where the affecting temperature is the highest.

Melting of the tube creates a hole releasing the entire extinguishing agent stored in the tube directly onto the source of the fire.

Blazecut

Automatic Fire Suppression System For
Electrical Panels, Server Racks & Engine Fire

1m, 2m, 3m & 4m

T-Series

Simple and cost-effective fire suppression! Answer to short circuit fire 24x7. Minimum collateral damage.





System Installed



Fire Breakout



Fire Detection



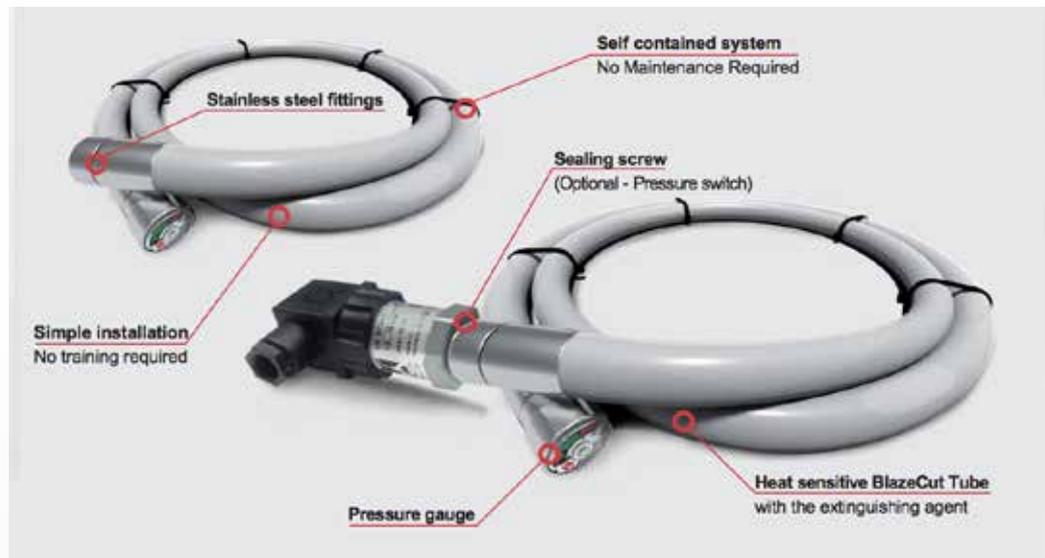
Extinguishing



Fire Quenched

TECHNOLOGY

The system consists of a heat sensitive tube made of special plastic which is closed by a stainless steel fitting on each end. The tube has both storage and detection function which means that the extinguishing agent is stored directly in the tube and no additional storage device such as cylinder is needed. The tube ruptures at max 80°C temp for panels and max 120° for vehicles.



FEATURES

-  Universal use : highly flexible tube having capability to dowse A, B, C and electrical fires
-  Highly cost-effective : zero maintenance, long working life, automatic detection and suppression
-  No cylinder for storage of extinguishing agent needed : the whole system can be placed inside the enclosure
-  Option to connect the pressure switch and other additional components like signaling unit to perform further functions
-  Clean and effective extinguishing agent : worldwide known and accepted HFC gases (HFC-227ea and HFC-236fa)
-  No pressurization needed : the system works by increasing of the extinguishing agent when heated
-  Automatic operation based on increased temperature : ideal for non-occupied spaces or spaces out of sight
-  Fully independent : system is operational 24/7 without any power supply
-  No maintenance during entire working life = zero maintenance costs
-  Long working life : shell life upto 5 years
-  No harm to protected enclosure and people when discharged
-  Very simple installation : no training required for installation
-  Pressure guage to monitor the pressure at any time
-  Low operation temperature : up to -40°C
-  Activation temperature : up to 80°C for electrical panels and up to 120°C for engine fires in vehicles

ELECTRICAL SIZING & INFORMATION



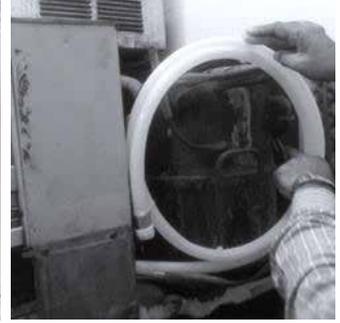
Server Rack



Railway Engine Compartment



Electrical Panels



Window Air Conditioner

Type of system	Extinguishing Agent	Amount of extinguishing agent (kg)	Length of the system (cm)	Outside diameter of the tube (mm)	Max. volume of the protected enclosure (m ³)	Operation Temperature (°C)
TD100EA	HFC-227ea	0.25	110	18	0.20 - 0.30	-40°C to +60°C
TD200EA	HFC-227ea	0.50	212		0.40 - 0.60	-40°C to +60°C
TD300EA	HFC-227ea	0.75	316		0.60 - 0.87	-40°C to +60°C
TD400EA	HFC-227ea	1.00	419		0.78 - 1.16	-40°C to +60°C

VEHICLE SIZING & INFORMATION



Type of system	Extinguishing Agent	Amount of extinguishing agent (kg)	Length of the system (cm)	Outside diameter of the tube (mm)	Max. volume of the protected enclosure (m ³)	Operation Temperature (°C)
TV100FA	HFC-236fa	0.25	110	18	0.22 - 0.35	-40°C to +60°C
TV200FA	HFC-236fa	0.50	212		0.43 - 0.70	-40°C to +60°C
TV300FA	HFC-236fa	0.75	316		0.65 - 1.04	-40°C to +60°C
TV400FA	HFC-236fa	1.00	419		0.86 - 1.40	-40°C to +60°C

CAPTION

T - Tube

D - system designated to devices (D - device / electrical panels)

V - system designated to vehicles (V- vehicle)

Three digit number - approximate length to the tube in cm

EA - extinguishing agent used HFC-227ea

FA - extinguishing agent used HFC-236fa



Boat Engine



Fork Lifter Engine

OPTIONAL COMPONENTS

Unique construction of the tube allows to connect the pressure switch, which monitors the pressure inside the tube and once the system is discharged the pressure switch sends a signal to signalling unit or to external device to perform other operation (e.g. disconnect the power)



Pressure Switch BC001

Connected to the tube, the pressure switch monitors the pressure and sends a signal in case the pressure drops under pre-set value.



Signaling Unit ASU001

Audio-optical signalling device for application in vehicles, machines or boats. Includes a "ready" control light with a power backup battery.

EXTINGUISHING AGENT



ZERO ODP

T-Series system uses HFC-227ea and HFC-236fa extinguishing agents. Both extinguishing agents are known and accepted worldwide and are used for volume fire suppression. They are highly effective, zero ozone depletion and safe for people and electronic components. It is the agent of choice for protection of enclosure where any residue would not cause harm to the protected sensitive devices.

Fire Class Rating



CLASS A:
ordinary combustibles (creating flames)



CLASS B:
flammable liquids



CLASS C:
burning gases



LIVE ELECTRICAL
equipment

Clients



Type Test



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2110:2009



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