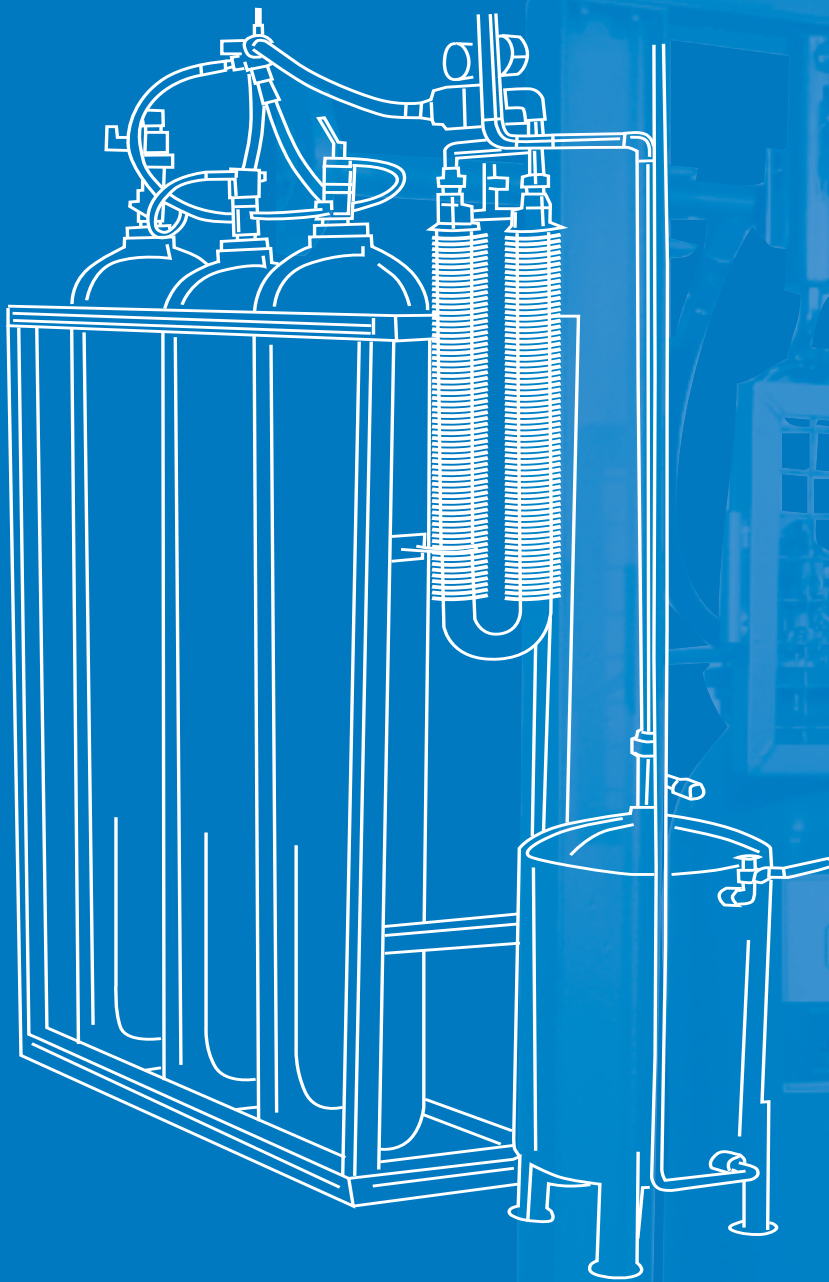


JEWEL[®]
FIRE SYSTEMS
T-SERIES



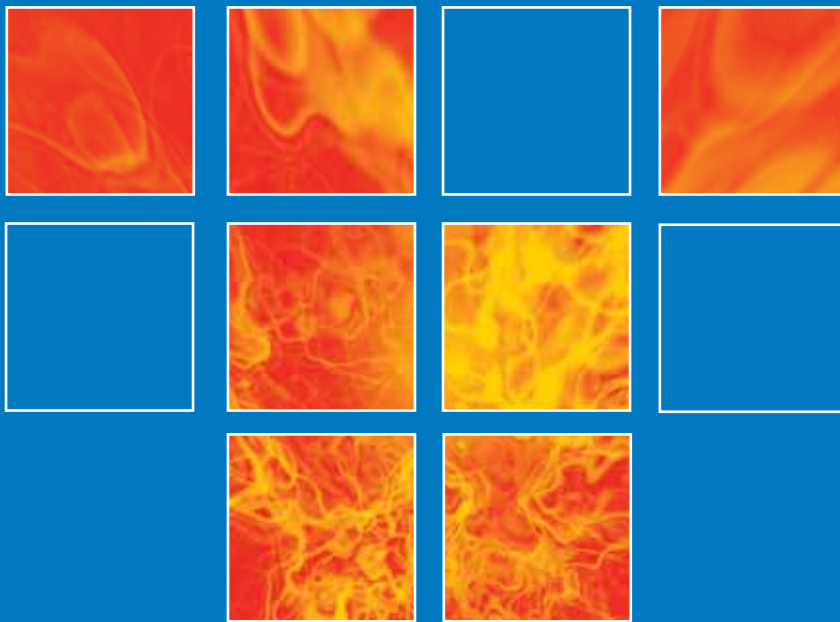
**TOTAL
FLOODING
FIRE
SUPPRESSION
SYSTEM**

**TRUE LOW
PRESSURE DRY
MIST SYSTEM**

...Life Protecting Fire Technology

Jewel Fire Systems appreciate the need to protect against life-changing fires, swiftly and efficiently, without risk to property or people.

We understand that losing equipment or property is a catastrophe, but to have it destroyed by the suppression agent is equally undesirable; this is why we pioneer only the most revolutionary fire suppression technology.



The T-Series

Total Flooding Fire Suppression System

We adhere fiercely to our vision statement...

“...we strive to, are able to and will lead, succeed and break boundaries in everything we do.”



THE T-Series

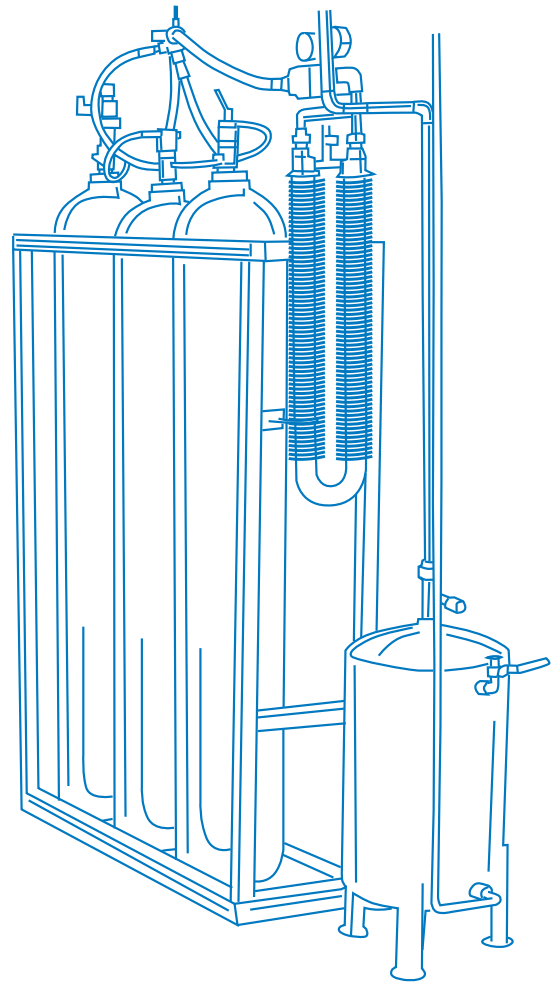
A Total 'Flooding' System, specialising in high risk environments.

Designed to tackle the full spectrum of fire risks, the T-Series is revolutionary in the protection against fire, in multiple risk areas and is especially effective in the extinguishing of Class B (Liquid) and Electrical Fires. Agents can be applied by either local application directly onto the fire or by total area coverage.

Based upon unique technology, the T-Series is unequalled in its ability to fight fire. Using advanced True Low Pressure Dry Water Mist, the system extinguishes by removing the oxygen and its fuel source (free radicals) calming the fire to the point of extinguishing; the continued cooling effects of the mist prevent the fire from reigniting. The use of a significantly reduced volume of water means that little or no flood damage occurs during or after discharge.

The technology and agents used in the T-Series are safe for use in highly populated areas and where prolonged exposure is likely.

- Can be linked to a fire alarm / control panel
- Fuel shutoffs can be fitted
- Total Flooding or Local Application Systems available
- Can be used on most classes of fire - A, B, C, D, E and F



“ *No thermal shock or
electrical conductivity
resulting from
discharge* ”



- Toxic-Free agents for safe fire fighting
- Patented Supersonic 25 to 100 Micron Engineered Nozzle

- True Low Pressure Dry Water Mist technology
- Designed for all fire risks, A, B, C, D, E and F

- Quick and easy to re-commission
- Little or no collateral damage after discharge

- Lower life cycle costs
- 100% Environmentally friendly and responsible



WATER Mist

Our unique patented Dry Water Mist operates at true low pressure*, allowing it to atomise water into billions of droplets as small as 25** microns in size.

A Powerful and Multipurpose True Low Pressure Dry Water Mist System.

Using patented technology allows our Water Mist to tackle a blaze with an absolutely consistent droplet size, essential in effective fire control of class A, B, C, D, E and F fires.

Why Mist is one of the Safest Agents to use.

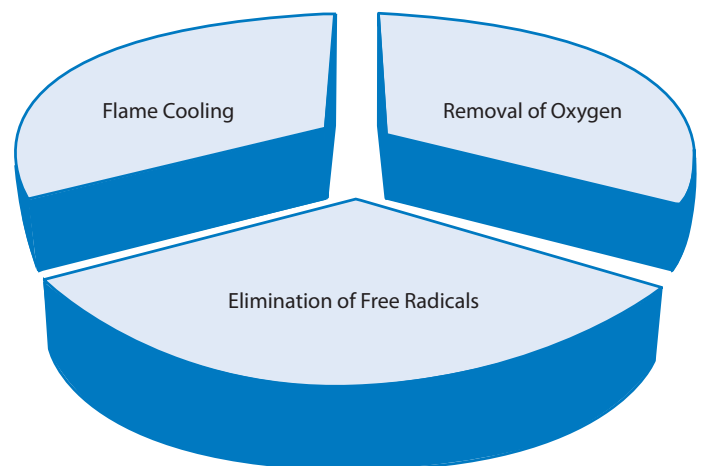
Once activated, the Mist prevents the fire from spreading by forming a 'mist curtain' around the fire source, protecting the surrounding area and any personnel within the vicinity. By removing the oxygen and its fuel source (free radicals) the fire calms and is extinguished; the continued cooling effects of the mist prevent the fire from reigniting.


Dry Water Mist agents used in the T-Series are non-toxic and safe for discharge in highly populated areas and where prolonged exposure is likely.

The engineering behind our Dry Water Mist ensures that the effects from smoke damage are all but eradicated and the use of a significantly lower volume of water throughout the extinguishing process removes the risk of flooding and further damage to the source area.

* The T-Series operates at an overall pressure of 4-bar.

** Different micron sizes can be achieved if required.





“*Dry Water Mist
means **almost
no collateral
damage***”


FIGHTING WITH Fire Water

How does Dry Water Mist work in the suppression and extinguishing of fires?




The Fire Triangle -
This shows the 3 elements that are required for a fire to ignite. Remove any 1 of these elements and the fire will be extinguished.

1 Heat is applied to combustible material, the temperature of the material rises and free radicals begin to form.




2 Free radicals and gases become airborne, and begin to bond with oxygen in the air. Once there is a sufficient amount of gas formed, it ignites (Pyrolysis).




3 The gases burn, generating heat and forming more free radicals.



4 The system activates, removing 2 of the 3 Fire Triangle Elements. Heat is removed via the mist droplets and the oxygen particles via the steam.



5 The fire is extinguished. Steam (inert) formed by the mist during extinguishing continues to evaporate, dissipating the heat and oxygen from the fire source, cooling the material to prevent re-ignition.



“ *Dry Water Mist*
gives you a **100%**
environmentally friendly
& responsible fire
suppression solution ”





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