



**BUILT TO
PROTECT.
BUILT TO
PERFORM.**

South Africa's
Leading OEM Fire
Suppression
Manufacturer





Firematic Africa is South Africa's leading OEM manufacturer of fully automatic vehicle fire suppression systems. Designed for the toughest mining, industrial and heavy-duty environments.

Protecting people, equipment and productivity—when every second counts. Trusted across mining, forestry, construction and industrial sectors.



HOW IT WORKS

1. Detection

Pneumatic tube (120°C rated) melts when exposed to abnormal heat across the vehicle.



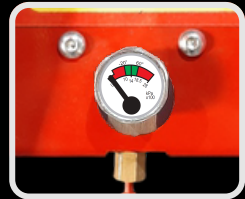
2. Signal

The melted tubing causes a loss of pressure in the system, automatically triggering the mechanism on the cylinder valve.



3. Activation

The pressurised cylinder releases Dry Powder or Wet Agent within seconds of detection. The system can also be manually activated via an in-cab actuator (operator) or ground-level actuator (external personnel).



4. Discharge

The piston shifts inside the Firematic Africa discharge valve, releasing the agent.



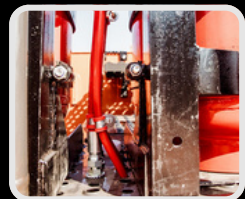
5. Distribution

Suppression agent flows through pipe network to all nozzle zones.



6. Suppression

Nozzles deliver Dry Powder or Wet Agent directly onto the fire source, knocking it down before it can spread.



7. Shutdown

Optional engine shutdown module cuts engine to prevent re-ignition.



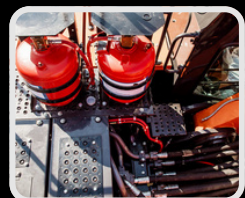
8. Alarm

Audible/visual alarm alerts the operator that the system has activated.



9. Reset

System is inspected, recharged and reset by a certified Firematic Africa technician.



WHY CHOOSE FIREMATIC?

- ✓ 100% South African OEM manufacturer
- ✓ Fully automatic activation — no operator input needed
- ✓ Designed for extreme mining & industrial conditions
- ✓ SADC installation & service network
- ✓ Custom-engineered for all equipment & TMM types
- ✓ Proven track record with 4000+ systems fitted
- ✓ 24/7 emergency support available

APPLICATIONS

- TMM
- Excavator
- Dozer
- Crane
- Bus
- Forestry Machine
- Forklift
- Airport Tug
- Commercial Truck
- LDV
- and more...



SYSTEM SPECIFICATIONS

Cylinder Sizes

DCP: 5kg - 200kg / Liquid: 5lt - 500lt

Suppression Agent

ABC Dry Chemical Powder (MAP based) / Wet Agent

Propellant

Nitrogen (N₂)

Detection

Pneumatic tube (120°C rated)

Activation

Fully automatic pneumatic

Pipework

Hydraulic red pipe

Nozzles

Brass/Stainless Steel, multi-directional spray pattern

Operating Temp

-40°C to +80°C

Compliance

MHSA, NFPA, MASK, SANS, NINEDOT, DIN

Service Interval

3 monthly intervals





START YOUR PROTECTION



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