Firefighting robot – for atomisation of very high volumes of water

The TAF60 can force through up to 6,000 litres of water per minute, which is a great advantage, especially for tackling large fires in chemical works and refineries. With a total height of less than 2 meters, its agile and all-terrain chassis and its water mist turbine, the TAF60 is an extremely flexible and safe fire fighting device. The optionally available central monitor, which can be swivelled to the side, opens up completely new operational tactics.

**TURBINE FIGURES**

- **Inclination angle**: -22° to +40°
- **Power**: 25 kW
- **Water flow, adjustable in 3 stages:**
  - Water mist (nozzle ring) 0 – 1,500 l/min
  - Full jet (monitor) 0 – 6,000 l/min at 16 bar
- **Throw distance with water mist**: up to 60 m
- **Throw distance with full jet**: up to 90 m
- **Available configurations**: different monitors and nozzle heads can be used
- **Net Airflow**: 60,000 m³/h
- **Turbine can be raised up to 4 m**
- **Turbine is also suitable for ventilation**

**VEHICLE FIGURES**

- **Traction force**: 3.8 t (3,800 daN)
- **Noise level (LpA at 10 m safety distance)**: 84 dB(A)
- **Remote control range**: up to 300 m
- **Fuel supply**: Diesel
- **Tank size**: 52 l
- **Power**: 53 kW
- **Cooling**: water
- **Level of pollutant emissions**: Stage V, Step 4, EPA Tier 5
- **Main water connection**: 6 x Storz B
- **Climbing ability (max.)**: 58 % (30°)
- **Lateral inclination (max.)**: 27 % (15°)
- **Speed**: 0 – 9 km/h
- **Weight**: 4,000 kg (w/o options)

**DIMENSIONS**

- **Width**: 1,650 mm
- **Length (w/o options)**: 3,110 mm
- **Height**: 1,999 mm (3,714 mm when lifted up)

**AREAS OF APPLICATION**

Chemical industry, tunnel systems, underground train shafts, recycling plants, large halls, substations, urban areas, forest fires, airports

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**CENTRAL ADVANTAGES OF THE TAF60:**

- Water throughput of 6,000 l/min
- Total height of less than 2 metres also enables use in low buildings (such as underground car parks).
- High cooling and extinguishing effect of the water mist turbine (thanks to atomisation)
- The laterally-swivelling central monitor increases the range of applications
- The remote-controlled extinguishing robot enhances the safety conditions for the firefighters (remote control range: 300 m)
- Gentle foam application for liquid fires
- Highly efficient technology for large-scale fires (especially liquid fires)
- Water mist can envelop objects and reach hidden sources of fire
- Binding of gases and smoke improves visibility and increases safety
- Powerful effect for the suppression of pollutants

**THE TAF60 COMES WITH A VARIETY OF OPTIONS:**

- Laterally-swivelling central monitor, tilt: -17° to +17°
- Various nozzle configurations
- Railway kit
- Air-ducting hose in different lengths
- Cable winch
- Forklift kit
- Self-protection system
- GPS
- Cameras (thermal imaging camera with temperature display, colour camera)
- EURO quick-change frame
- Submersible pump
- Lateral outflow for Storz C coupling
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