

**Aquatech® GAP:
Smart Pump unit
for Water mist systems.**

**GAP is our
modular and customizable
pump unit,
engineered and manufactured to
keep Aquatech® performances
always at the top level.**

**Behind a safe and performing machine,
always stands a powerful and calibrated
engine.**

Among the **pioneers** of the most **innovative fire technologies** in Europe, we are an International company **highly specialized** in **engineering, manufacturing, installation and maintenance** of **certified and customer oriented fire fighting systems and products.**

Our firefighting technologies:

- **Water mist Aquatech®**
- **Invisible Water mist Aquatech Deluxe®**
- **Wetting agent FireFive®**
- **Foam system and equipment**
- **Inert gas Nargotech®**
- **Clean agents**
- **CO2**
- **Water system and equipment**
- **Twin agent**

Contacts

Registered office:

Ravenna 48026
Via Romagnoli, 4 (Russi)
Tel. 0544455065
Fax 0544459140
info@temasistemi.com
sales@temasistemi.com

Production site:

Taranto 74123
Via della Transumanza, 5
Tel. 0994724607/627
Fax 0994724640
info@temasistemi.com
sales@temasistemi.com

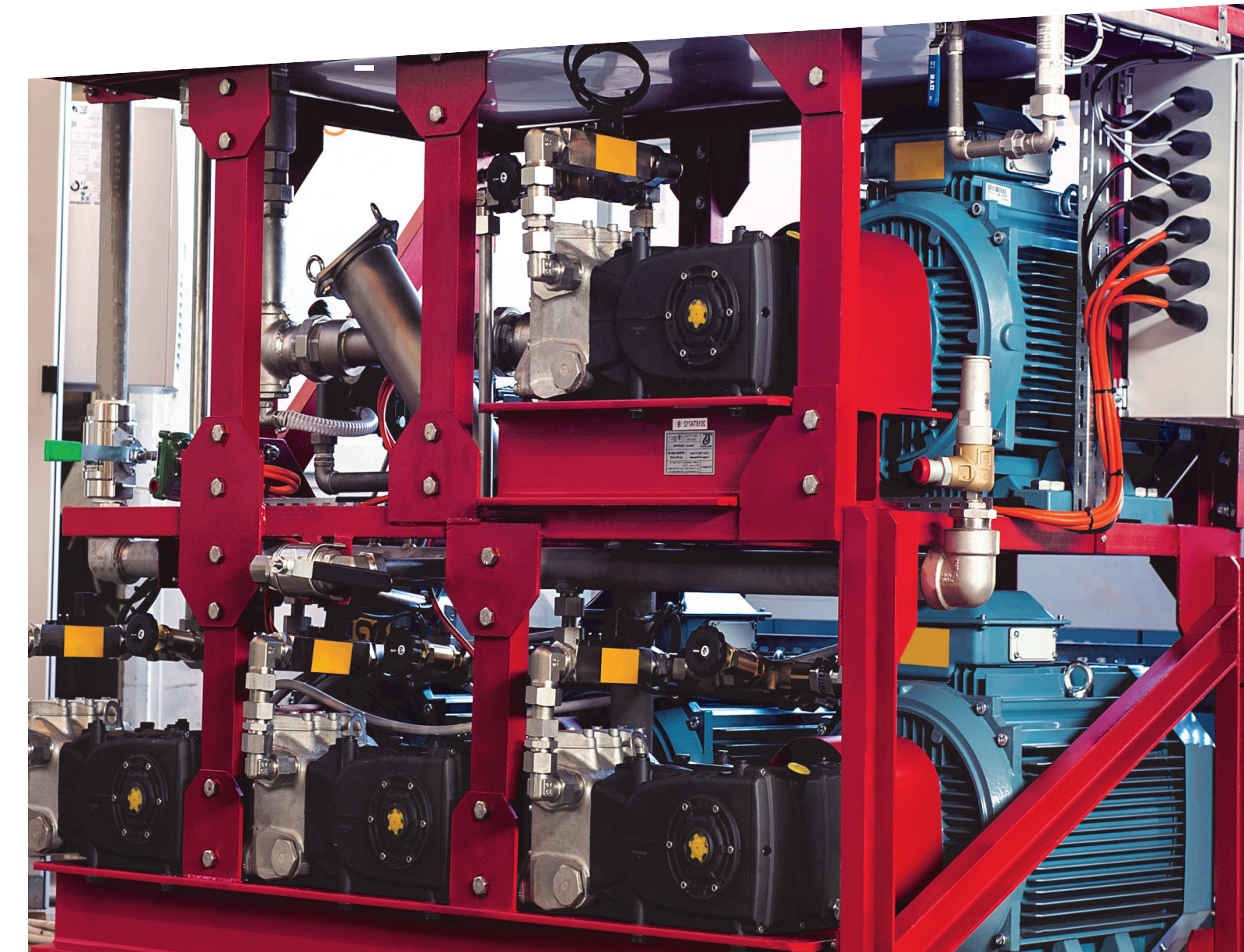
Branch office:

Milano 28098
Via della Pace, 29/B
San Giuliano Milanese
Tel. 0298240055
info@temasistemi.com
sales@temasistemi.com

Torino 10093
Via R. Luxemburg, 14
Collegno
Tel. 011725524
info@temasistemi.com
sales@temasistemi.com

www.temasistemi.com

***Fire protection technology.
Solutions never thought of
before.***



AQUATECH® GAP

Pump unit for Water mist systems

AQUATECH® GAP: THE SMART PUMP UNIT FOR WATER MIST SYSTEMS.

Aquatech® GAP is an extraordinary Pump unit system engineered for the High pressure Water mist technology.

Aquatech® GAP is:

- Customizable
- Money saving
- Automatic
- Made in Italy

CUSTOMIZABLE Flexible installation

Aquatech® GAP is a pumping technology able to guarantee the highest performances. The system consists of a **modular High pressure Pump unit**, connected to the water reservoir with a suction manifold, and a control cabinet.

Aquatech® GAP is provided of all specific systems and devices necessary for both manual and automatic operation: High-pressure electric piston pumps (more than 100 bar), control valve, flow and pressure switches, control panel equipped with PLC and HMI graphic interface.

The system is located in a dedicated room and allows a **flexible installation**: can be **custom built** in different **size** and **flow rate**.

Moreover, on every single pump skid we can assemble a variable quantity of **electric motor**.

This aspect is particularly relevant for applications with a high demand of **spaces** and **power resources optimization**.

COST SAVING Minimum power use

Aquatech® GAP is a **cost saving solution** able to preserve power resources, thanks to its advanced electric motor control technology through the **inverter**.

Equipped with a frequency converter and an advanced software control, the **GAP** unit optimizes the electric motor operation by providing only the required volume of water.

Thanks to the innovative **inverter technology**, the fire fighting system no longer needs big quantity of power supply, allowing a significant operational cost saving.

Moreover, the **inverter eliminates** any need of **excess water unloading**, simplifying the design of the Pump unit mechanical components.



100% AUTOMATIC The operator intervenes but he is invisible

The most extraordinary characteristic of **GAP** technology is to make Water mist system operation and control **100% automatic**, thanks to: a **PLC control system** equipped with **HMI interface** for in site control and management of the system and the exclusive service of **remote support**.

PLC system automatically controls and manages the Water mist activities, as: alarm signal, intervention and pre-action, pump unit actuation.

Moreover, thanks to the exclusive service of **remote support**, the operator can control and manage the system at a distance, reducing intervention and restoration time.

Thanks to **Aquatech® GAP**, the **operator is there but you do not see him**. In case of system malfunction or damage, the intervention of the operator on site is no longer needed: **the system is controlled at distance**.

All operations required to put the system on safety and to avoid any operational interruption are driven on remote control.

The **remote assistance** can be installed in case of direct internet access with both fixed or mobile line (if the fixed line is not available).



MADE IN ITALY DESIGN User-friendly graphic interface

If you know our history, you know how much we care about elegance when developing our reliable fire fighting products. Every detail is relevant to us. That is why we created **Aquatech® GAP Deluxe**: the smart Pump unit technology, enhanced by a **Made in Italy** design.

Aquatech® GAP Deluxe is provided of a **control system** with **touch screen panel** able to display all the status of the system, using a user-friendly and elegant graphic interface.

The **HMI system** is engineered and manufactured on the basis of clients' needs, according to the system technical specifications.

Thanks to the **summary page**, the **HMI system** allows you to check the operational status on real time.

In this section every components and any relevant information related to the status of the system is reported.

In the shortest time you are able to: check the presence of any alert area, monitor the status of the components (pumps, pressure and flow switches, electrical valves, etc...); verify the operational conditions.

In particular, the graphic pages allow you to control:

The operational status of the **pump/tank unit** monitoring flows and levels of fluids in every section

The operational status of every **plant areas**, checking the condition of any single components, the liquid status and the related signals

The system records every event and any action carried out on it (any operation performed directly on the panel or on the control cabinet, manual or remote actuation, etc...) displaying the alerts related to the control and maintenance program activities.

Thanks to the elegant, automatic and smart **GAP Deluxe** technology, we leave nothing to chance. All events, every single changing is recorded by the system and can be controlled both on site and by remote.

