



Fire Fighting



Pressurization



Control Panels



Drainage



Pumps

PRODUCT RANGE

Over 40 years experience



Since more than 40 years Idroelettrica has been recognized as a reliable partner for pumping solutions for water and active fire protection. We support customers in choosing and realizing the most suitable solution for their needs.

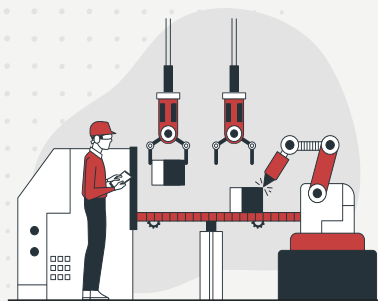
Employee

OVER
100



Production area

16.000
m²



Reliable

40
years

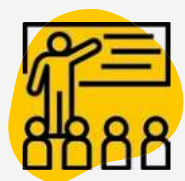
CRIBIS
Prime Company



Certified since

2009





IN HOUSE TRAINING COURSES

are the most engaging and interactive experience. In our premises you will have spacious training room and technicians at your complete disposal.



COURSES FOR SERVICE ENGINEERS

are held in the training center: an equipped pumping station to train on commissioning and periodic maintenance program.



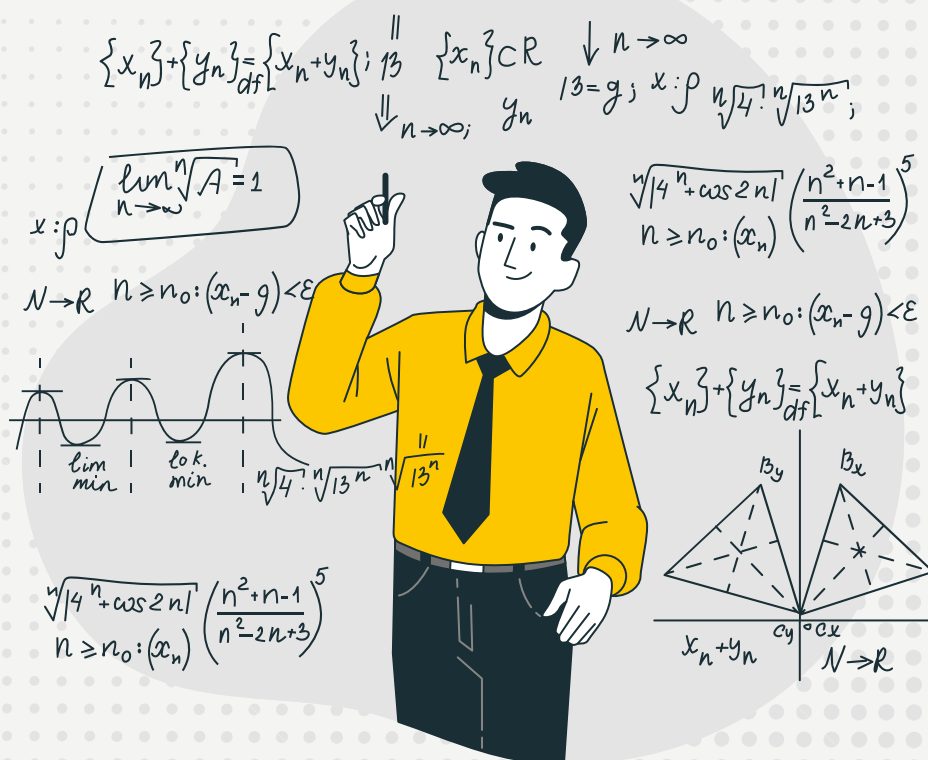
IN TOUR COURSES

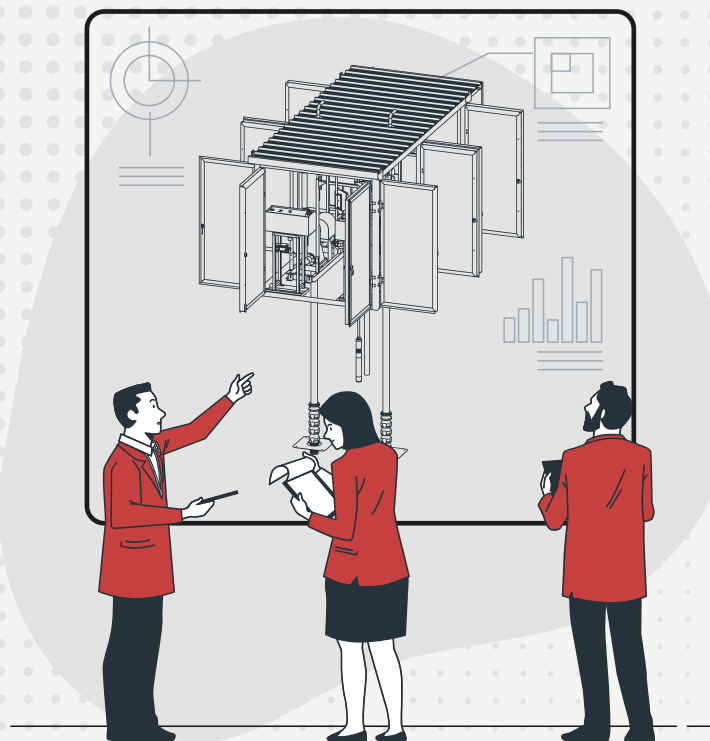
Organised by Fire-Fighting associations all over the territory.



WEBINAR

Web Conferences in virtual classroom. Webinars are organised by firefighting associations that provide training in this field.





IN HOUSE PRODUCTION

All metalworks manufactured are in full compliance with the European standard for structural steelwork EN 1090.



BUSINESS RELIABILITY - CRIBIS PRIME COMPANY RATE

The rating of top business reliability by CRIBIS is a dynamic and constantly updated indicator of a trustworthy company.



TECHNICAL AND SALES SUPPORT FOR PROPOSALS

We provide a quick and competent technical/commercial service to support the customer during the quotation phase



SPARE PART WAREHOUSE - VIA BELLINI STORE

We have a large spare parts warehouse with over 10,000 items



COMMISSIONING

Technical visit on site, for first start-up activities of Fire-Fighting pump-sets or pumping systems



ON-SITE INSTALLATION ASSISTANCE

Installation support with skilled and specialized personnel.



PERFORMANCE AND FUNCTIONAL TESTS

Our new testing room allows to test all different kind of pumps and complex pumping systems.



REPAIR WORKSHOP

Our personnel is properly trained to carry out in-house repairs of pumps, electric motors and diesel engines of all makes.



CUSTOMER AFTER-SALES SUPPORT

Quick and competent after-sales service, on pumping systems, controllers and complete systems.



WARRANTY

Our company guarantees its products according to D.LGS. N°206 of 06/09/2005.



GOODS DELIVERY LOGISTICS

Exceptional transport service, with and without escort duty, in Italy and abroad. Tailor-made services, including unloading and positioning, can be provided using company-owned special articulated trucks, in full compliance with the regulations on transport of special loads.



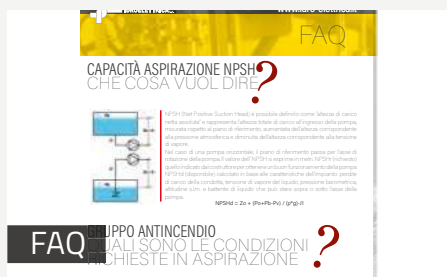
Stay connected with us

FIND OUT WHAT THE CUSTOMER WANTS AND THEN MAKE IT BETTER
(FRANK PERDUE)



WWW.IDRO-ELETTRICA.IT

All tools available by registering on our web site:



idroelectricaspa



Idroelettrica Modena



@idroelettrica



idroelettrica.antincendio

Digital catalogues: stop to paper waste!.

Collect all our catalogues
allways up-to-date



**Technology helps us to improve our
work and safeguard the planet, so
why not take advantage of it?**



Fire Service Product Range

FIREBOX®
modular firefighting • system



VERTICALFIRE
modular firefighting • pumpset



EUROFIRE
modular firefighting • pumpset



FIREBOX
modular firefighting • system



FIREBOX®
modular firefighting • system



EUROFIRE/SOM
modular firefighting • pumpset



FIREBOX
modular firefighting • system



EXSTINGUO
approved firefighting • pumpset



FIREBRAKE
modular firefighting • water storage integrated



FIREBLOCK
modular firefighting • system complete of water storage

FIREBOX SOLUTIONS
INTEGRATED FIRE-FIGHTING SYSTEMS

FIRE-FIGHTING PRODUCTS

Fire-Fighting pump-sets UNI EN 12845

All UNI EN-12845 pump-sets fully comply with all points of the standard. Each pump-package has a dedicated controller and frame in order to be independently fixed to ground.

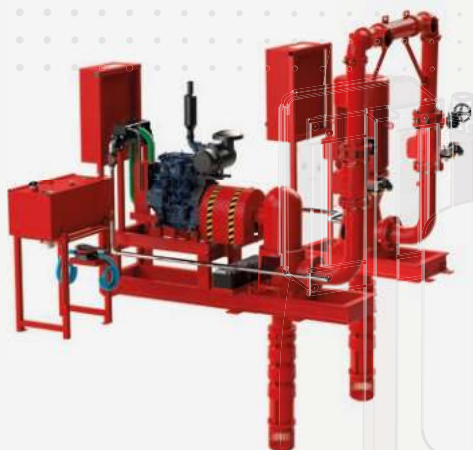
The Pup-Sets can be supplied in various configurations with a wide range of motor, pump models and accessories.

Technical data sheets are available on our website

www.idro-elettrica.it



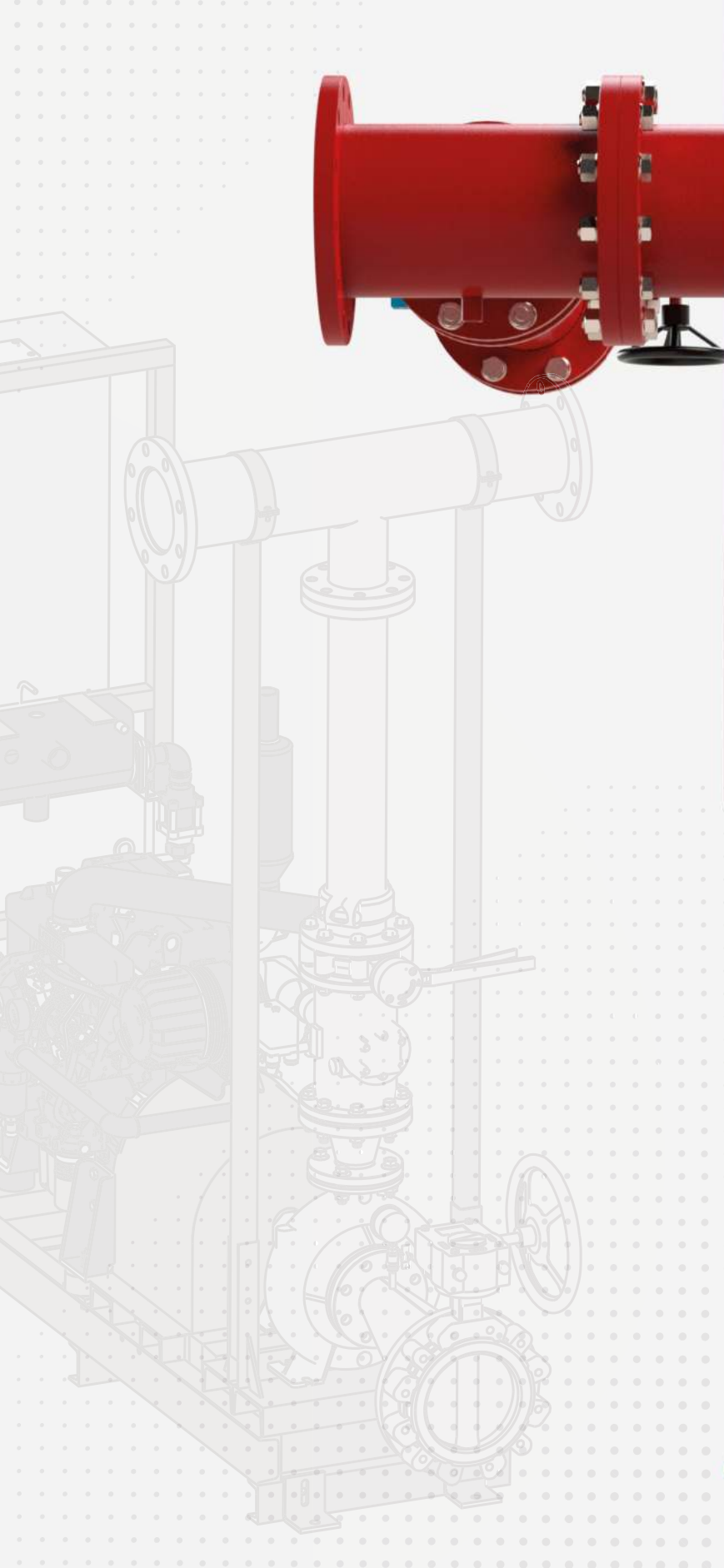
EUROFIRE
modular firefighting • pumpset
centrifugal horizontal pumps



VERTICALFIRE
modular firefighting • pumpset
vertical turbine pumps



EUROFIRE|SOM
modular firefighting • pumpset
submersible pumps



FIRE-FIGHTING PRODUCTS



Fire-Fighting pump-set NFPA-20 UL/FM

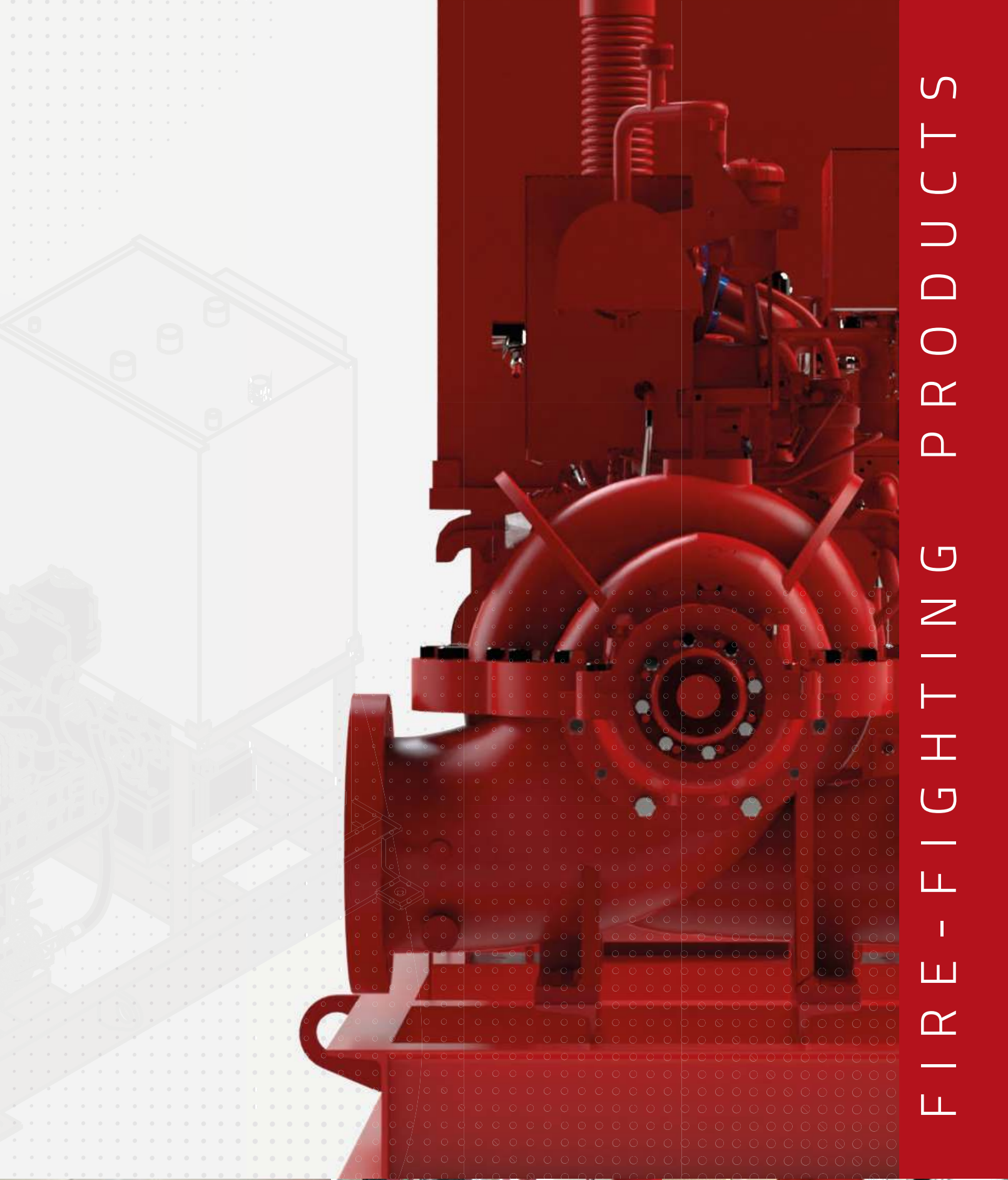
NFPA-20 as well as UL/FM Approval pump-sets are dimensioned and assembled following all requirements of the standards.

Each group can be equipped with standard or custom accessories to complete pump room arrangement.



EXSTINGUO
approved firefighting • pumpset

NFPA-20 UL/FM Fire Fighting Pump-set



FIRE-FIGHTING PRODUCTS



Prefabricated Fire-Fighting module

UNI EN 12845 - UNI 11292 - UNI EN 1090

FIREBOX® is the fire protection service pump room able to supply the fire extinguishing system: is equipped with fire pump sets (active and back-up) realized with centrifugal or vertical turbine pumps (VTP) electrical and diesel or electrical submersible pumps.

All necessary devices and accessories are present into the FIREBOX®: fire extinguishers, internal sprinkler system, forced ventilation, fuel tank, exhaust piping, heating system, standard and emergency lighting and all electrical wiring.

Data sheets for each type of product are available on our website

www.idro-elettrica.it



FIREBOX®
modular firefighting • system
centrifugal horizontal pumps



FIREBOX
modular firefighting • system
vertical turbine pumps



FIREBOX
modular firefighting • system
submersible pumps



FIRE-FIGHTING PRODUCTS

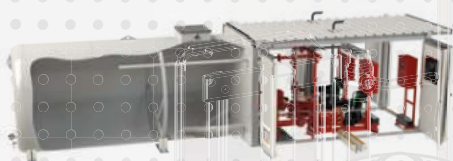


Prefabricated Fire-Fighting module with integrated water reserve UNI EN 12845 - UNI 11292 - UNI EN 1090

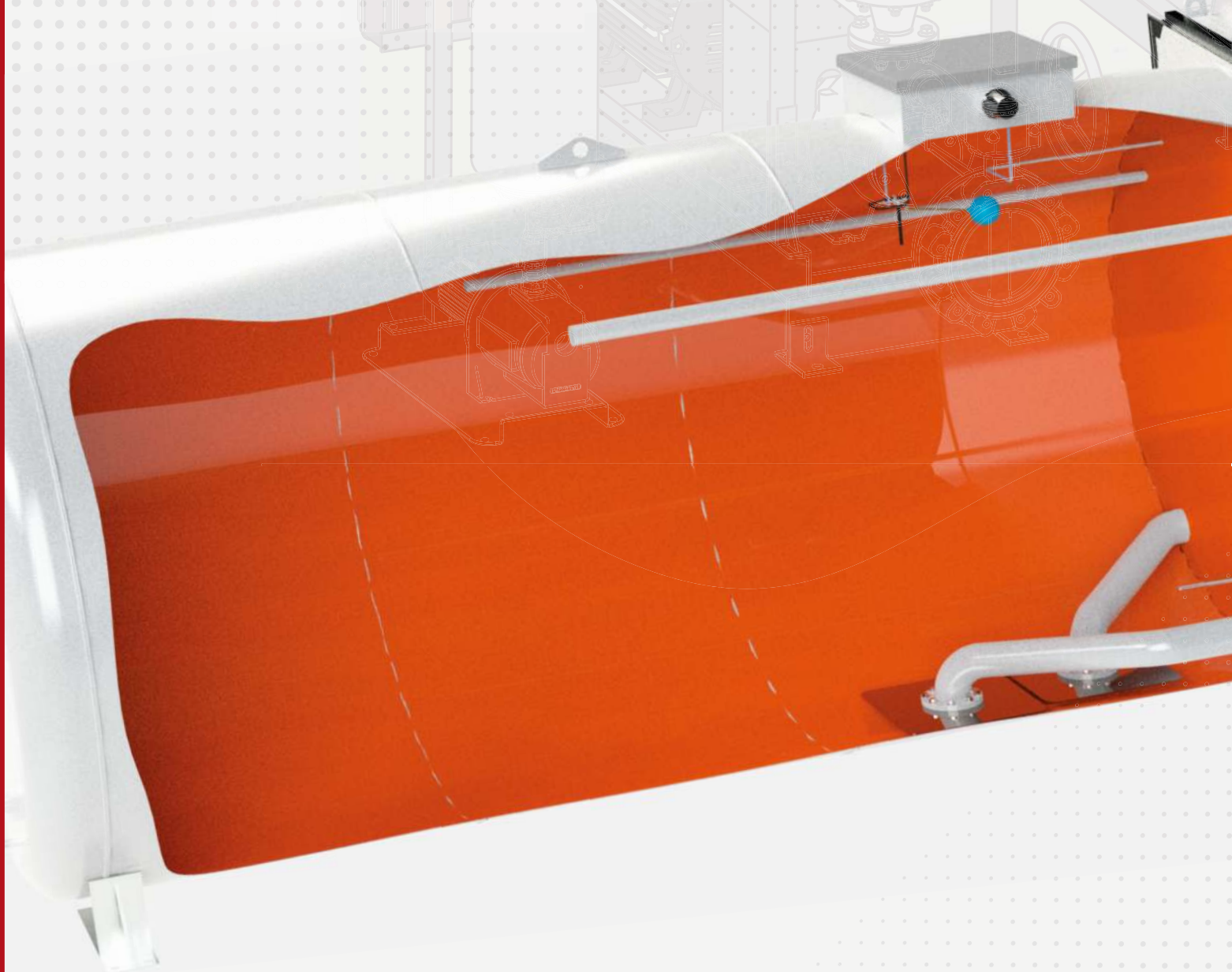
FIREBLOCK system is a Fire-Fighting system consisting of two main parts, the FIREBOX module containing a UNI EN 12845 Fire-Fighting pumping unit and an outdoor water TANK in horizontal or vertical execution.

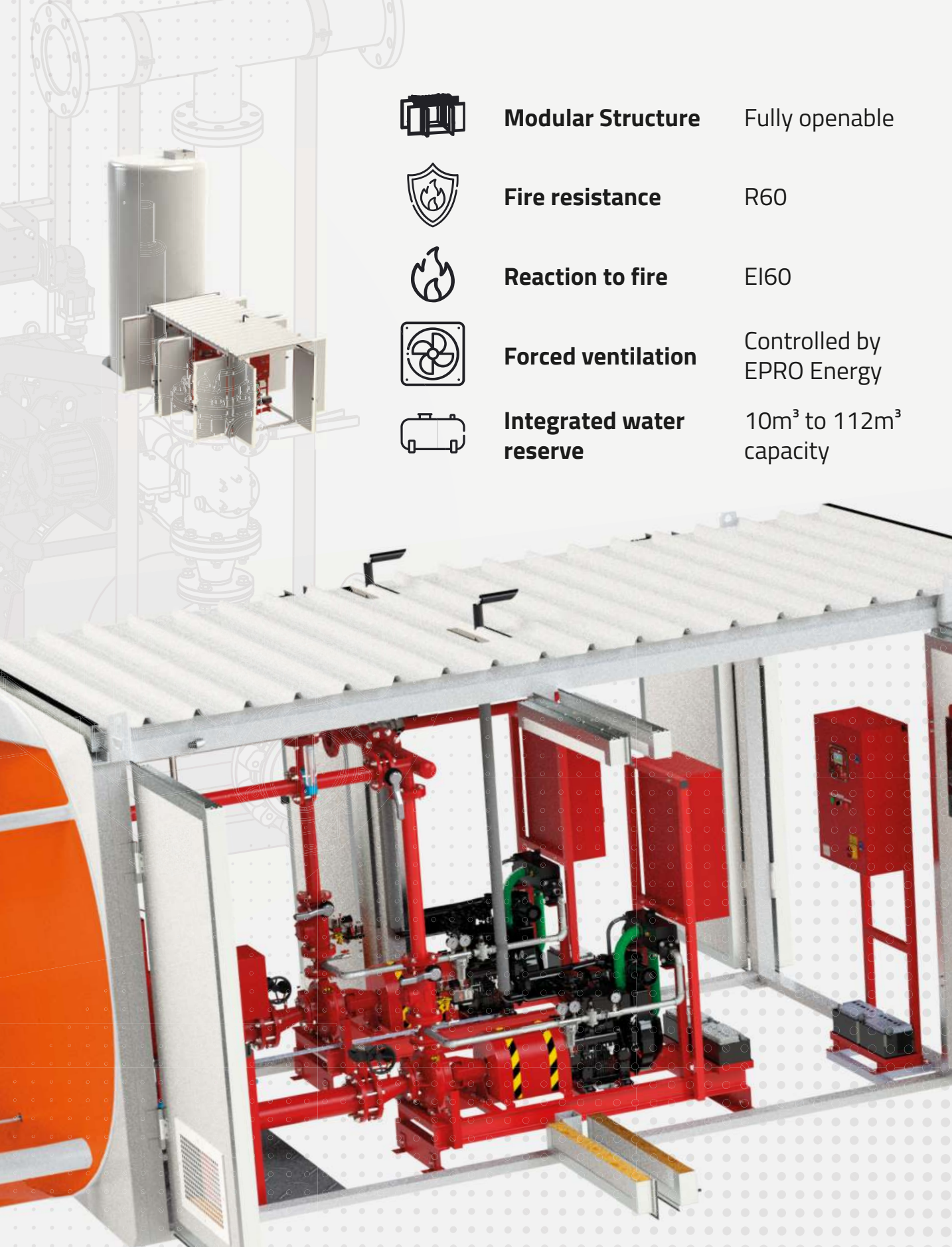
Data sheets for each type of product are available on our website

www.idro-elettrica.it



FIREBLOCK
modular firefighting system complete of water storage
centrifugal horizontal pumps





Modular Structure

Fully openable



Fire resistance

R60



Reaction to fire

EI60



Forced ventilation

Controlled by
EPRO Energy



**Integrated water
reserve**

10m³ to 112m³
capacity



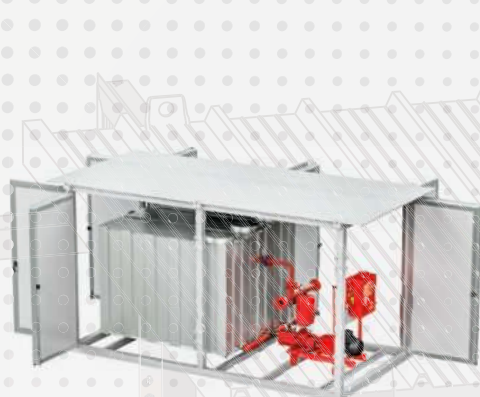
FIRE-FIGHTING PRODUCTS

Other prefabricated fire protection systems UNI EN 12845 - UNI 11292

In order to meet customer requests, we developed additional systems and versions of FIREBOOX.

Data sheets for each type of product are available on our website

www.idro-elettrica.it



FIREBRAKE

modular firefighting • water storage integrated

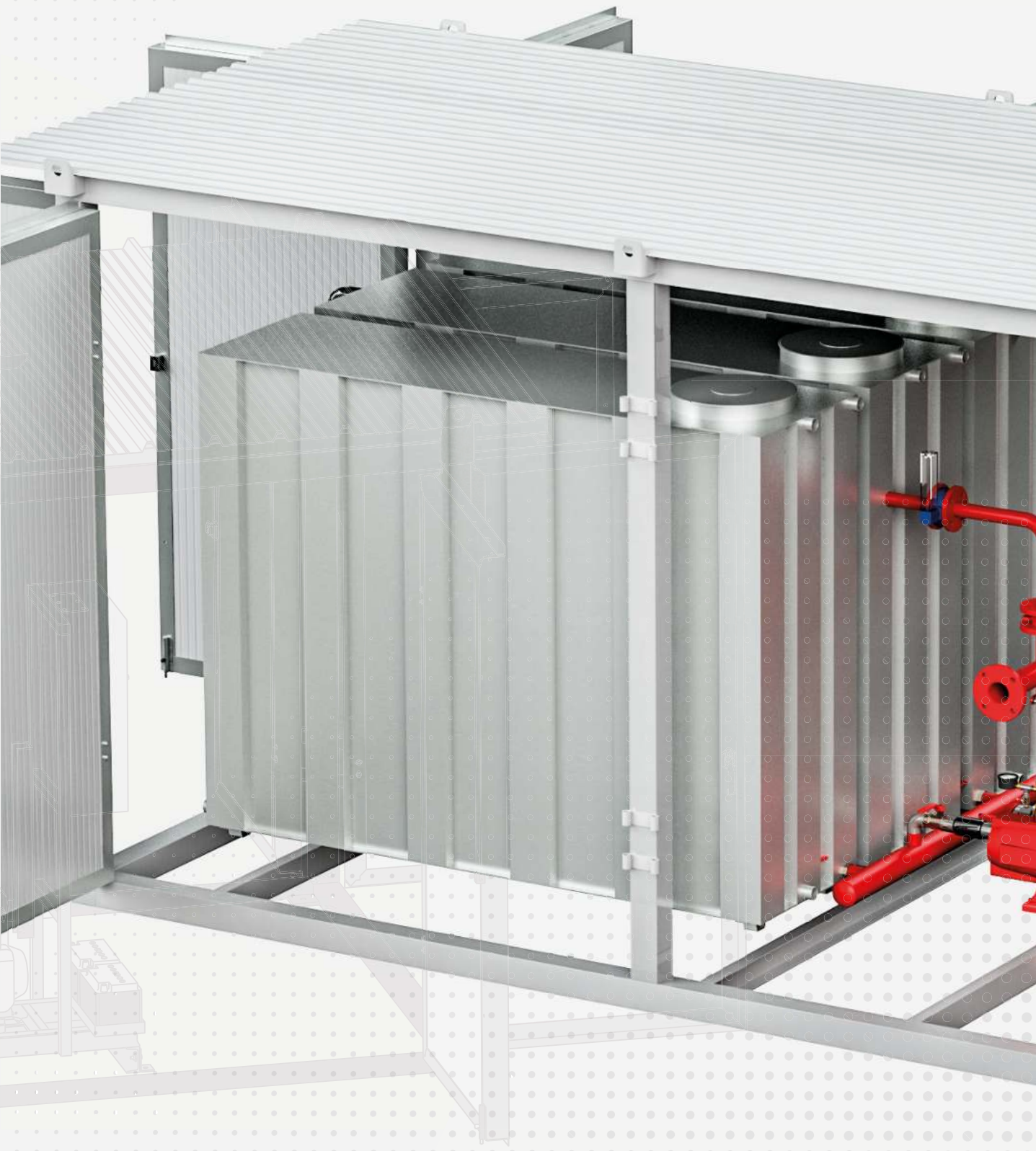
*Fire-Fighting Module with
centrifugal pump and embedded
water reserve*



FIREcompact

modular firefighting • water storage integrated

*Fire-Fighting Module with submersible
pump and embedded water reserve*



FIRE-FIGHTING PRODUCTS



Fire-Fighting water reserves

Our water cylindrical reservoir has metallic construction and is fabricated for outdoor or underground installation. Upon request it can be customized with specific RAL color.

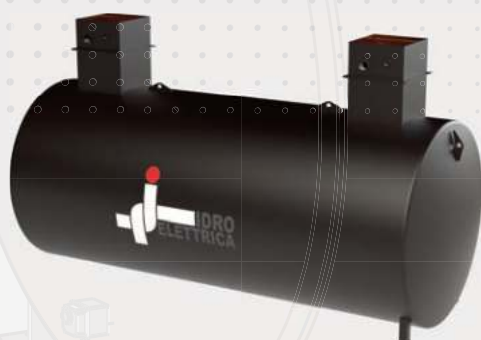
Data sheets for each type of product are available on our website

www.idro-elettrica.it



Outdoor water reserve

Metal fabricated up to 158 m³



Underground water reserve

Metal fabricated up to 158 m³



Outdoor water reserve

*Modular
up to 1000 m³ ... and beyond*



FIRE-FIGHTING PRODUCTS



EPRO



EPRO CONTROL



Remote alarm monitor unit displays A and B type alarms, controls up to 8 EPRO controllers via Modbus/TCP with a max distance of 800 m.

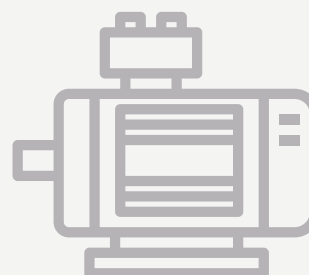
EPRO control unit has been designed on purpose to monitor firefighting units according to norm EN 12845.

All events and parameters concerning the Fire-Fighting pump-set are available on Modbus TCP port. A log file keeps track of latest 512 and is always available for USB download.



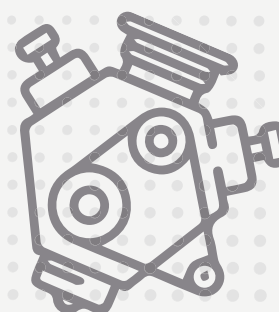
EPRO ELECTRIC

Controller for Fire-Fighting pumpset driven by electrical motor



EPRO DIESEL

Controller for Fire-Fighting pumpset driven by diesel engine



EPRO ENERGY

Controller for pump room services equipped with UPS unit



Smart data management



EPRO controller is the heart of all Idroelettrica Fire-Fighting pump-sets

Available interfaces

USB

Direct download of the log-file of the latest 512 events (txt file) easy to be viewed on any device.

GSM

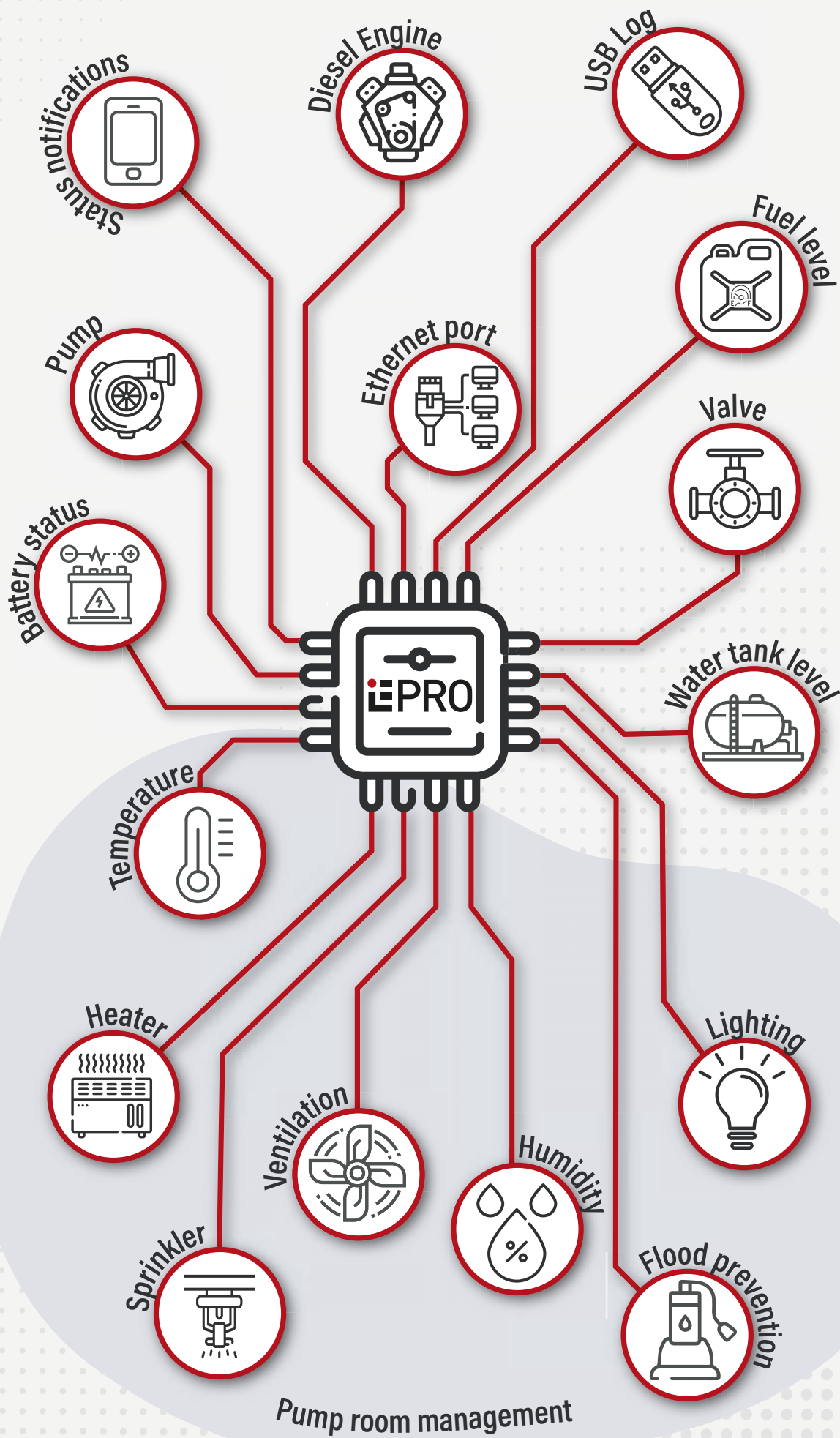


GSM GPRS communication module for transmission of SMS text messages of alarms and notifications

SMS

MODBUS TCP/IP

EPRO network can interface to a Building Automation System or to a monitoring system through Modbus TCP/IP interface.



Pressurization Units

Pressurisation units perform the task of raising water pressure to ensure satisfactory distribution to all utilities/users at requested design flow rate.

Data sheets for each type of product are available on our website

www.idro-elettrica.it



Compact
submersible pump pressure booster set with water reserve
Pressure-switch or VFD controlled



» Small settlements



» Buildings
» Apartment block



» Commercial activities
» Offices



SuperCompact
submersible pump pressure booster set with water reserve
Pressure-switch or VFD controlled



» Small settlements



» Buildings
» Apartment block



» Commercial activities
» Offices



Pressmatic
single pump pressure booster
With integrated pressure vessel



» Small settlements



P R E S S U R I Z Z A T I O N



Pressurization Units

Pressurisation units perform the task of raising water pressure to ensure satisfactory distribution to all utilities/users at requested design flow rate.

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Easymatic
variable speed pressure boosters
Constant pressure system



» Small settlements



» Small Industry



» Buildings



InoxPress
centrifugal pump pressure booster set
stainless steel pressure booster set



» Small settlements



» Small and medium Industry



» Buildings
» Apartment block



CentriPress
multi centrifugal pump pressure booster set
centrifugal pump pressure booster set



» Small settlements



» Small and medium Industry



» Buildings
» Apartment block



Pressurization Units

Pressurisation units perform the task of raising water pressure to ensure satisfactory distribution to all utilities/users at requested design flow rate.

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www.idro-elettrica.it



VertiMAX
centrifugal pump pressure booster set
Pressure-switch or VFD controlled

» Buildings
» Apartment block

» Small and medium Industry
» Water mains
» Water distribution

» Healthcare facilities

» Commercial activities
» Offices
» Hotels



CentriMAX
centrifugal pump pressure booster set
Pressure-switch or VFD controlled

» Small and medium Industry
» Water mains
» Water distribution

» Commercial activities
» Offices
» Hotels



CentriNorm
normalized frame-mounted electric pump
Long-coupled Normalized EN 733

» Small and medium Industry
» Water mains
» Water distribution

» Commercial activities
» Offices



P R E S S U R I Z Z A T I O N

Electrical Panel

Wide range of standard electrical control panels along with the possibility to request customized controllers (dedicated functions).

Data sheets for each type of product are available on our website

www.idro-elettrica.it



E-Pump
PRESSURE PUMP CONTROL
E-Pump electronic controller for 2-5 pumps



- » Buildings
- » Apartment block



EnergyBox
ANTI FLOODING CONTROL PANEL

anti-flooding systems for 1-2 electric pumps



- » Buildings
- » Apartment block



- » Small and medium Industry
- » Water treatment



IdroBox
JUST PUMP POWER

controller for 1-2 pumps



- » Small and medium Industry
- » Water treatment



- » Buildings
- » Apartment block



IdroDelta
STAR-DELTA THREE-PHASE CONTROL PANEL

Star-delta Start (three-phase)



- » Gardening
- » Agriculture



- » Small and medium Industry
- » Water treatment



IdroDirect
DIRECT STARTING THREE-PHASE CONTROL PANEL

Elettromeccanico trifase avviamento diretto



- » Gardening
- » Agriculture



- » Small and medium Industry
- » Water treatment

www.idro-elettrica.it

IdroStat
THREE-PHASE STATORIC CONTROL PANEL

Statoric Start (three-phase)



» Gardening
» Agriculture



» Small and medium
Industry
» Water treatment

VariBox
HIGH EFFICIENCY PUMP INVERTER PANEL

Frequency Inverter for 2-5 Pumps



» Buildings
» Apartment block



» Small and medium
Industry
» Water treatment

EVAR
pump inverter

Frequency Inverter wall or motor mounting



» Buildings
» Apartment block



» Small and medium
Industry
» Water treatment



Drainage pumps

Wide range of submersible pumps suitable for many applications and scope.

Data sheets for each type of product are available on our website

www.idro-elettrica.it



DRA threaded 2 poles

Vortex impeller



» Small settlements



» Buildings
» Apartment block



» Commercial activities
» Offices
» Hotels



DRA Flanged 2 & 4 poles

Vortex impeller



» Buildings
» Apartment block



» Small and medium
Industry
» Water treatment



» Healthcare facilities



» Commercial activities
» Offices
» Hotels



DRC Flanged 2 & 4 poles

Single channel open impeller



» Buildings
» Apartment block



» Small and medium
Industry
» Water treatment



» Healthcare facilities



» Commercial activities
» Offices
» Hotels



DRCC Flanged 2 & 4 poles

Single channel closed impeller



» Buildings
» Apartment block



» Small and medium
Industry
» Water treatment



» Healthcare facilities



» Commercial activities
» Offices
» Hotels



N-DRA 2 poles

Vortex impeller



» Small settlements



» Buildings
» Apartment block

Rubber pumps

For industrial water



- » Small and medium Industry
- » Water treatment



Construction site pumps

In acciaio INOX



- » Construction sites
- » Excavations



Lifting stations

Rain and Drainage water
INOX impeller pumps



- » Buildings
- » Apartment block



- » Small settlements



Clear water Pumps

A wide range of pumps and electro-pumps for clear water use, made in different construction materials, suitable for different applications.

Data sheets for each type of product are available on our website

www.idro-elettrica.it



Horizontal multistage *Stainless steel*



» Small settlements



» Buildings
» Apartment block



» Gardening
» Agriculture



Jet Self-priming *Cast Iron*



» Small settlements



» Buildings
» Apartment block



» Gardening
» Agriculture



Close-coupled *single and double impeller*



» Small settlements



» Buildings
» Apartment block



» Gardening
» Agriculture



Normalized EN733 *Elettropompe monoblocco normalizzate flangiate*



» Buildings
» Apartment block



» Small and medium
Industry
» Water treatment



» Healthcare facilities



» Commercial activities
» Offices
» Hotels



Vertical Multistage *Stainless steel*



» Buildings
» Apartment block



» Small and medium
Industry
» Water treatment



» Healthcare facilities



» Commercial activities
» Offices
» Hotels



Self-priming open impeller

Cast Iron



» Small settlements



» Gardening
» Agriculture



Bore-hole submersible 4" - 6"

Radial impellers



» Small settlements



» Gardening
» Agriculture



Bore-hole submersible 6" - 8"

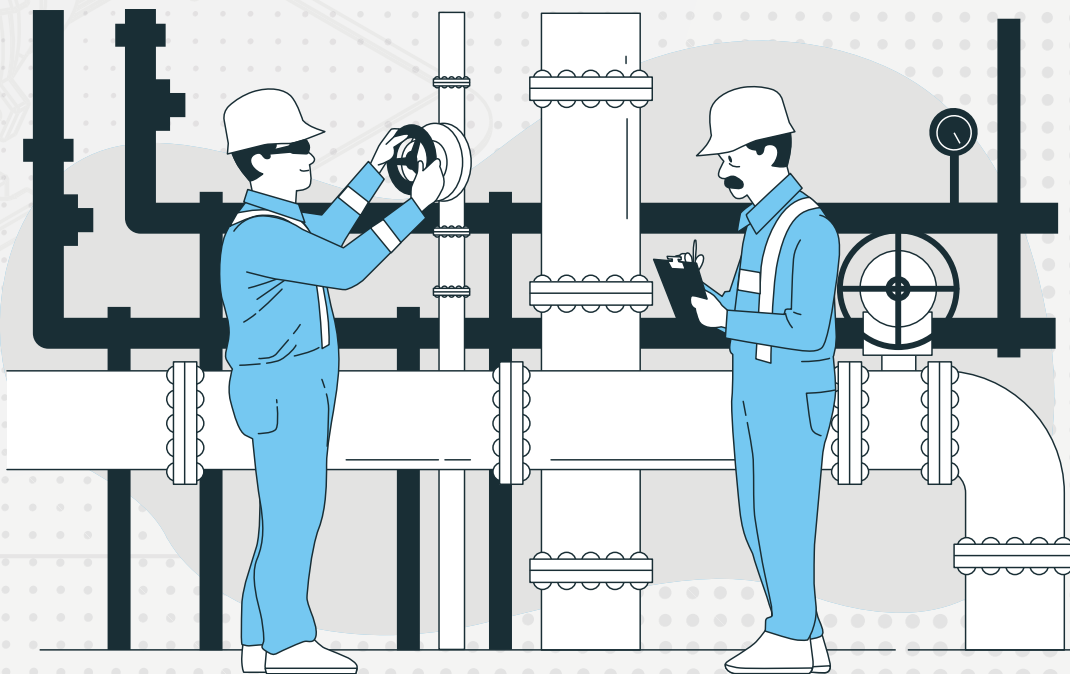
Semi-axial impellers



» Small settlements

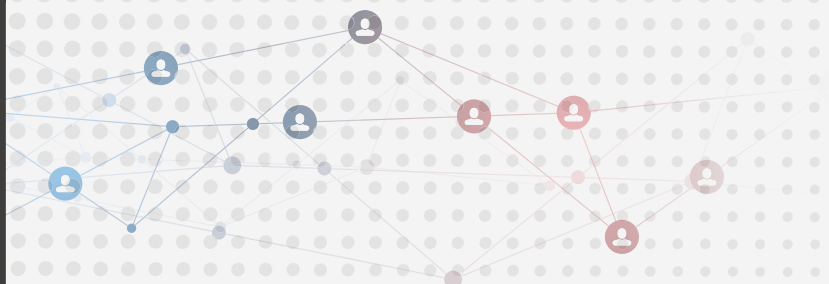


» Gardening
» Agriculture



Reference

Ci hanno accordato la loro fiducia



Passion for packaging



“
REVOLVE YOUR WORLD
AROUND THE CUSTOMER
AND MORE CUSTOMERS WILL
REVOLVE AROUND YOU
(HEATHER WILLIAMS)
”





Fire-Fighting Unit

Composed of

Sprinkler: 1 diesel pump + 1 Jockey pump
Hydrants: 2 diesel pumps + 1 Jockey pump



Pump type

Sprinkler: Centrifugal Split Case Pump
149 kW + 1.5 kW
Hydrants: End Suction Back Pull Out
66 kW + 66 kW + 1.5 kW



Installation

Positive suction head



Hydraulic performance

Sprinkler: Q 384 m³/h H 102 m.c.a.
Hydrants Q 72 m³/h H 86 m.c.a.



Reference standards

UNI EN 12845 : 2019
UNI 11292 : 2019
NFPA 20



I am convinced of the quality of the chosen supplier who has not disappointed our expectations, allowing us to enjoy greater security for the safety of our employees and the protection of our buildings



Gianluca Pavanello
Macron CEO

www.idro-elettrica.it

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