NOOR SCIENTIFIC & TRADE LLC

Tree of Unwavering Success

ELECTROMECHANICAL DIVISION

PRODUCT RANGE

HVAC, Fire Fighting & Ecology Systems

2025

OUR PARTNERS

CHILLED WATER & WATER VALVES, CONTROL

Herz®

CHILLED WATER & INDUSTRIAL PUMPS

GENERAL PUMPS
ESPAÑA

FIRE FIGHTING VALVES & SPRINKLERS

GROUP KOMTES

EXPANSION TANKS & AIR SEPARATORS

elbi

PRESSURE GAUGES & THERMOMETERS

Brannan

FF SPRINKLER SYSTEM MONITORING DEVICES

Safe Signal®
Potter Global Technologies

AUTOMATIC FIRE DETECTION & SUPPRESSION

AutoFireX

ENERGY MANAGEMENT & MONITORING

Badger Meter®

FIRE PUMP FLOW TESTER

GVI
GLOBAL VISION INC

GASKET TYPE PLATE HEAT EXCHANGER

ONDA

AIR PURIFICATION SYSTEMS

plasma-cleanair
AIR, ODOUR & GREASE CONTROL

HERZ® HERZ is one of the most important manufacturers of valves, fittings, controls, and thermostatic valves. With 3,500 people worldwide and operating 40 factories located across the European Union.

HERZCON



INNOVATIVE DIRECT CONNECTION FOR FAN COILS

COMPONENTS:

- 2 Multifunctional ball valves.
- PIBCV - 1 valve for 3 requirements: DPCV, balancing, and control.
- Strainer fitted with drain valve.
- Insulation Box.

ADVANTAGES:

- Enables processes such as regulation, flushing, control, and isolation.
- Suitable for heating and cooling systems.
- Including bypass for flushing.
- Complete assembly and testing in the factory.
- Reduced amount of work, time, and costs on site.
- All components made of dezincification-resistant brass.


CONTROL VALVES

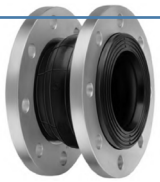

STRAINERS


BALANCING VALVES

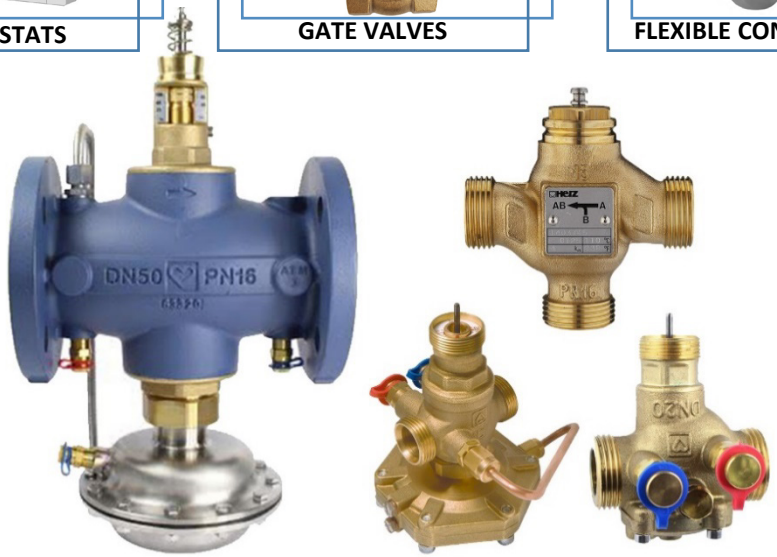

ACTUATORS


THERMOSTATS


GATE VALVES


FLEXIBLE CONNECTORS


PIBCVs



APPLICATION

- HYDRONIC BALANCING
- CENTRAL HEATING
- POTABLE WATER
- CHILLED WATER
- PLUMBING
- CONTROL

CIBSE CPD BESA BUILDING ENGINEERING SERVICES ASSOCIATION

Brannan is a leading European manufacturer of thermometers, pressure gauges & associated instrumentation products since 1913. Brannan's manufacturing facility in England is highly mechanized offering high quality products.

HVAC RANGE

PRODUCTS:

- Pressure gauges – Dry & Filled.
- Dial thermometer.
- V-line thermometer.
- Hot water glass thermometer.
- Digital meters.
- Industrial accessories.



ADVANTAGES:

- Premium Quality – 100% UK manufacturing.
- Reliability – EU market leader since 1913.
- Sustainability - Premium Materials & Quality.
- Traceability – International standards.



PRESSURE GAUGES



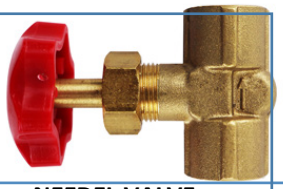
DIAL THERMOMETERS



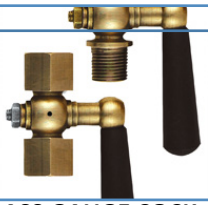
V-LINES & HOT WATER THERMOMETER



DIGITAL METERS



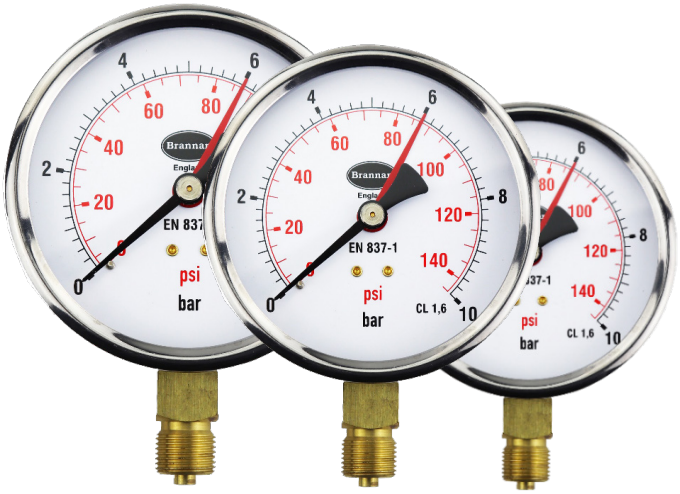
NEEDEL VALVE



BRASS GAUGE COCK



SYPHONS



APPLICATION

- CENTRAL HEATING
- POTABLE WATER
- CHILLED WATER
- PLUMBING
- F&M

RoHS compliant bsi.

Badger Meter

Badger Meter is a U.S. manufacturer of flow measurement, water quality, and control products since 1905. It offers smart metering solutions, including mechanical and ultrasonic meters, sensors, and software, serving utilities and industries worldwide.

UHC-120 ULTRASONIC THERMAL ENERGY METER

ULTRASONIC ENERGY (BTU) METERS FOR HVAC

COMPONENTS & FEATURES:

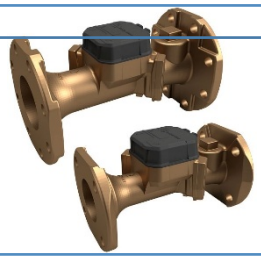
- In-line ultrasonic Flowmeter.
- Smart Data Logger (Calculator).
- Temperature Sensors.
- Static liquid metering using ultrasonic technology
- Ten-year battery life or external power options
- Modular communication options
- Mounting in any installation position
- Integral data logger with time/date
- Size Range: 15-40 mm
- Flow Range: 1.5-20 m3/h
- Pressure Range: Up to 16 bar

Dynasonics



ADVANTAGES:

- Low maintenance with no moving parts to wear
- Simple setup using single-button display
- Measure and record energy and flow totals
- View daily and previous semi-monthly totals
- Negligible pressure drops across the flow meter.
- High Accuracy.
- Long Service Life.
- Bidirectional Flow Measurement.
- Communication Modules: Wired M-BUS.



ULTRASONIC FLOW METERS



ELECTROMAGNETIC FLOW METERS



THERMAL ENERGY METERS



APPLICATION

- ENERGY METERING
- DISTRICT COOLING
- CENTRAL HEATING
- POTABLE WATER
- CHILLED WATER
- BILLING

GENERAL PUMPS
ESPAÑA

General Pumps Spain is one of the leading manufacturers of Centrifugal pumps and motors with more than 30 years of experience in the field of wide range of pumps and pumping systems.



CHILLED WATER & INDUSTRIAL PUMPS

PRODUCTS

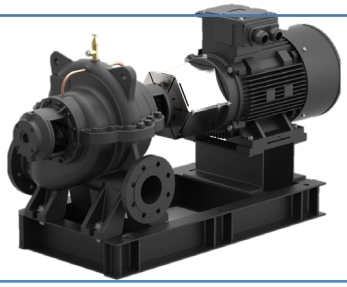
- End Suction Pumps.
- Horizontal Split Case Pumps
- Vertical In-Line Pumps
- Drainage & Sewage Pumps
- Multi-Stage Centrifugal Pumps

ADVANTAGES:

- EU Market Leader.
- Wide Range Of Types, Capacities, and Solutions.
- High Energy Efficiency.



END SUCTION PUMPS



HORIZONTAL SPLIT CASE PUMPS



VERTICAL IN-LINE PUMPS



DRAINAGE & SEWAGE PUMPS



APPLICATION

- CHILLED WATER
- INDUSTRIAL APPLICATIONS

Elbi S.p.A. is an Italian manufacturer in the field of thermo-hydraulics since 1965. Elbi offers an extremely wide range of products to satisfy all installation needs in heating systems, booster pump applications, storage, and treatment of water.

HVAC RANGE



PRODUCTS:

- Expansion tanks for heating/air conditioning.
- Thermal Expansion Tanks.
- Multifunctional tanks.
- Plate Heat Exchangers.
- Hot Water Buffer Tanks.
- Air Separators.
- Booster Tanks.

ADVANTAGES:

- Premium Quality – 100% Made in Italy.
- Reliability – EU market leader since 1965.
- Sustainability - Premium Materials & Quality.
- Wide range of products for HVAC systems, booster pump applications, storage, and treatment of water.


EXPANSION TANKS


THERMAL EXPANSION TANKS


MULTIFUNCTIONAL TANKS


BRAZED PHEX


GASKET PHEX


BUFFER TANKS


AIR SEPARATORS


BOOSTER TANKS



APPLICATION

- WATER TREATMENT
- DISTRICT COOLING
- CENTRAL HEATING
- POTABLE WATER
- BOOSTER PUMP
- CHILLED WATER
- STORAGE

ONDA

ONDA S.p.A is one of the market leaders in HVAC-R Industrial Segment, thanks to its high know-how, and where Onda S.p.A. is supplier of the major OEMs. ONDA PHEX are 100% Manufactured in Italy.

PLATE AND FRAME HEX

GASKETED PLATE & FRAME HEX STANDARD LINE GG

The Onda Gasketed Plate Heat Exchangers are available in various models and dimensions and always offer the best solution to a great variety of heat exchange applications coming from both the HVAC and the industry such as the power industry, marine, chemical, heavy industry etc., as well as cogeneration and district heating-and cooling applications

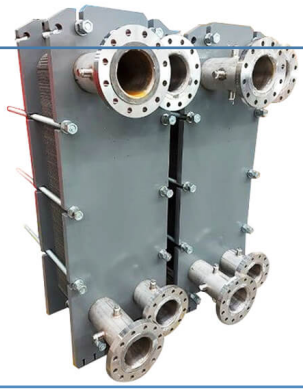


MATERIALS:

- **Frame: Carbon steel, painted**
- **Plates: AISI 316L / TITANIUM / AISI 304L**
- **Gaskets: NBR (110° C max) / EPDM (140°C max)**
- **Tightening bolts: galvanized steel**
- **Connections: AISI 304 / AISI 316 / PVC / POM-C**
- **Optional Insulation**



PLATE AND FRAME INOX LINE



SPECIAL HEAT EXCHANGERS



APPLICATION

- DISTRICT COOLING
- CENTRAL HEATING
- INDUSTRIAL PROCESSES
- RENEWABLE ENERGY
- WASTE HEAT RECOVERY

plasma-cleanair
AIR, ODOUR & GREASE CONTROL

Plasma-cleanair is a European market leader and expert in air, odor, and grease control.
Plasma-cleanair is dedicated to reducing energy costs and reducing fire risk.

COMPINED ESP WITH UV-C (UL LISTED)

ALL IN 1 SOLUTION FOR COMMERCIAL KITCHEN ECOLOGY



COMPONENTS:

- Aluminum pre-filter
- Combined electronic Ionizer.
- Electrostatic collector cells
- Aluminum post filter
- UVC lamp frame containing 2, 4, 6 or 8 high output UV-C lamps

ADVANTAGES:

- Offers integrated grease, smoke, and odor removal.
- UV lamps come with a 10,000-hour lifespan.
- Keeps extract ductwork grease-free.
- Reduces fire risk.
- Cuts the cost of maintenance.
- Enables heat recovery with grease-free air.


DUCT MOUNTED UV

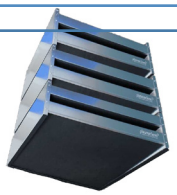

CANOPY MOUNTED UV


OZONE INGECTION


GREASE FILTERS


ESP


RECIRC


ACTIVATED CARBON FILTER


FINE FILTERATION



RECIRC Air Unit

RECIRC IS A RECIRCULATING AIR FILTRATION SYSTEM DESIGNED FOR COMMERCIAL KITCHENS WHERE IT IS NOT POSSIBLE TO EXTRACT TO THE OUTSIDE.

the RECIRC system uses multiple stages of passive filtration for the efficient removal of grease, odor, and smoke.

APPLICATION

- SMOKE & GREASE CONTROL
- COMMERTIAL KITCHENS
- VENTILATION SYSTEMS
- ECOLOGY SYSTEMS
- AIR PURIFICATION
- FIRE PROTECTION

CIBSE · SafeContractor APPROVED · BESCA VENT HYGIENE ELITE APPROVED MEMBER · CfA Centre for Assessment ISO 9001 Quality Management · UKAS MANAGEMENT SYSTEMS 0120

AG SPRINKLER

AG FIRE SPRINKLER is a Spanish owned company specializing in the manufacture, design, and supply of water and foam based automatic protective equipment, sprinklers, control posts, valves.



HYDRONIC FIRE FIGHTING RANGE

PRODUCTS:

- Sprinklers.
- Control Valves.
- Valves.

ADVANTAGES:

- Wide Range Of Pressure Ratings.
- UL Listed & FM Approved.
- EU Market Leader.


WET SPRINKLERS


DRY SPRINKLERS


WET CONTROL VALVES


DRY CONTROL VALVES


DELUGE VALVES


PREACTION VALVES


GATE VALVES

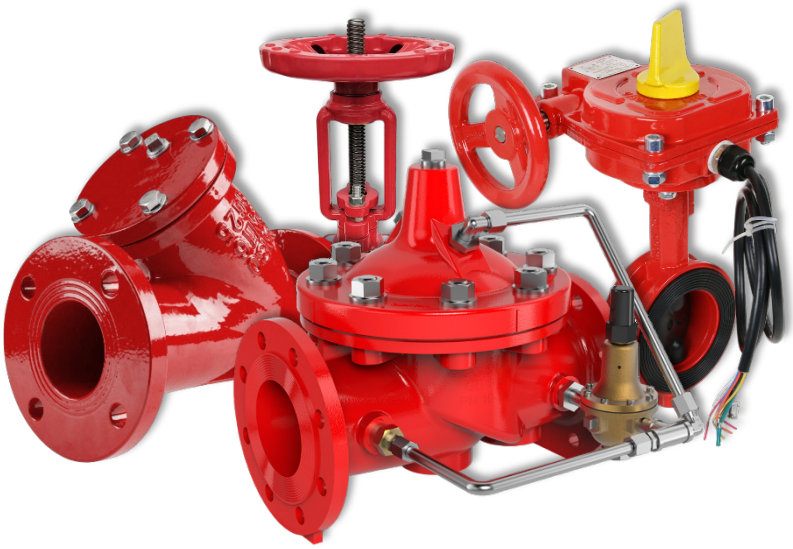

CHECK VALVES


STRAINERS


SOLENOID VALVES


PRVs


BFVs



APPLICATION

- FIRE FIGHTING
  - WET SYSTEM
  - DRY SYSTEM
  - DELUEG SYSTEM
  - PREACTION SYSTEMS

UL LISTED FM APPROVED

GVI
GLOBAL VISION INC

Global Vision Inc. (GVI) is a U.S.-based manufacturer specializing in precision-engineered fire pump test meters. Renowned for innovation, accuracy, and durability, GVI delivers NFPA-compliant flow measurement solutions trusted by fire protection professionals worldwide.

FM APPROVED FIRE PUMP FLOW TESTER

FEATURES:

- Sizes: DN 32 to DN 300 (1 ¼" – 12")
- Flow Range: 12.5 – 10,000 USGPM
- Accuracy: 0.5%
- Friction Loss: < 1 Psi
- Pressure Rating: Class 150 & 300
- Body Material: 1026 Machined Carbon Steel
- Diaphragm operated 4" Flow Meter
- Available in Grooved, Welded And Flanged Ends
- Patented Venturi Technology
- Dial Options:
  - Glycerin-Filled Analog Gauges
  - Glycerin-Filled Hybrid Digital Gauges (Analog + 4-20 MA Transmitter)
  - Full Digital Gauge (Digital Display + 4-20 MA Transmitter)



BENEFITS :

- Superior Accuracy & Consistency
- Made in the USA – Superior quality control
- Machined In-House – Tighter tolerances than cast venturis
- Durable US Steel – Free from imperfections
- Advanced Gauges – Enhanced reliability and performance
- Reliable Flow Measurement – Essential for fire pump testing
- 5 years Warranty.



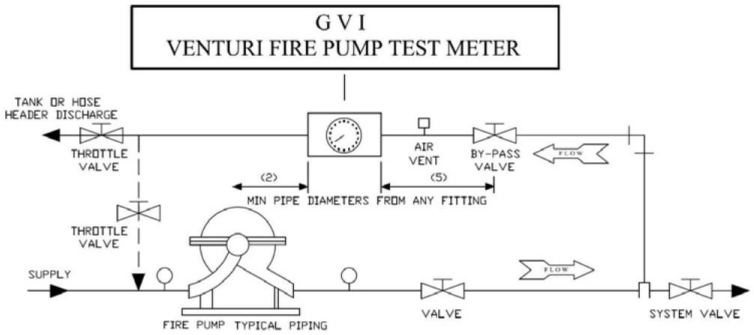
GLYCERIN FILLED ANALOG DIAL



FULLY DIGITAL GAUGE & TRANSMITTER



HYBRID DIGITAL GLYCERIN FILLED DIAL



TYPICAL FLOW LOOP CONFIGURATION

CAN BE INSTALLED VERTICALLY OR HORIZONTALLY

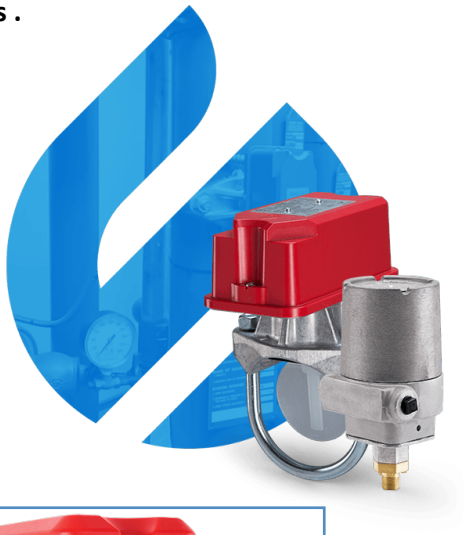
APPLICATION

- FIRE PUMP PERFORMANCE TESTING
- COMMERCIAL & INDUSTRIAL BUILDINGS
- FIRE PROTECTION SERVICES – ACCURATE PUMP TESTING
- HOSPITALS & SCHOOLS – MEETING FIRE SAFETY STANDARDS

FM APPROVED

Safe Signal®
Potter Global Technologies

Safe Signal is a U.S.-based manufacturer specializing in electro-mechanical monitoring devices for fire sprinkler systems. Established in 2021 following the acquisition of System Sensor's sprinkler supervisory product line from Honeywell, Safe Signal continues the legacy of producing high-quality devices trusted by the industry for over 40 years .



FIRE SPRINKLER SYSTEM MONOTRING DEVICES

PRODUCTS:

- Supervisory (Tamper) Switches.
- Pressure Switches.
- Waterflow Switches.

ADVANTAGES:

- UL Listed
- FM Approved.



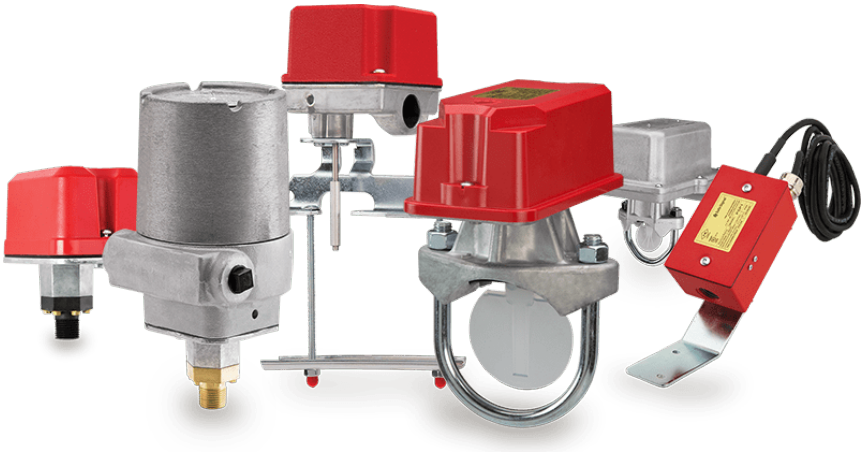
SUPERVISORY (TAMPER) SWITCHES



PRESSURE SWITCHES



WATERFLOW SWITCHES



APPLICATION

- FIRE FIGHTING
  - WET SYSTEM
  - DRY SYSTEM
  - DELUEG SYSTEM
  - PREACTION SYSTEMS

UL LISTED FM APPROVED

AutoFireX

AutoFireX is a UK-based manufacturer of pre-engineered automatic fire detection and suppression systems since 2018. It offers application-specific solutions for sectors like mining, telecom, marine, and manufacturing, utilizing clean agents, CO_2, and dry chemical systems. AutoFireX emphasizes rapid detection, environmental safety, and system reliability.

HVAC+R SOLUTIONS

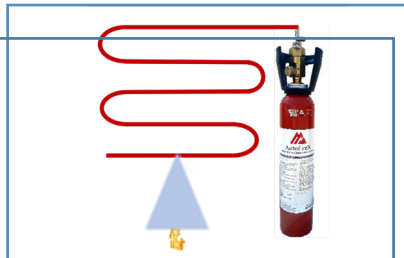
PRODUCTS

- Indirect Low Pressure - ILP Clean Agent Systems
- Direct Low Pressure - DLP Clean Agent Systems
- Co2 Direct Hight Pressure - DHP Systems.
- Fire Detection Tubes.
- Kitchen Fire Suppression Systems.



ADVANTAGES:

- Rapid Detection and Suppression.
- Standalone Operation Without External Power.
- Environmentally Friendly Suppression Agents.
- Versatile and Easy Installation.
- Low Maintenance Requirements.
- Application-Specific Solutions.



DHP – CO2 FIRE SUPPRESSION



DLP CLEAN AGENT SYSTEMS



ILP CLEAN AGENT SYSTEMS



APPLICATION

FIRE PROTECTION IN:

- Telecommunications
- Manufacturing and Processing
- Electrical Systems
- Data Centers
- Mining and Heavy Equipment
- Power Generation
- Commercial Kitchens

NOOR SCIENTIFIC & TRADE LLC

Tree of Unwavering Success

ELECTROMECHANICAL DIVISION

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