



Line Card



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About us

We are a company with great experience and knowledge in HVAC, refrigeration and air quality in Latin America.

With extensive experience in the commercial and industrial sector, offering clean, innovative and efficient solutions.

We have coverage throughout LATAM with offices in:



- United States (Miami)
- Mexico
- Colombia
- Dominican Republic
- China
- Peru
- Salvador (Central America)



Our team - Experience and strengths

TEKSOL is a company with specialized professionals in Sales, Service, and Engineering, boasting over sixty years of combined experience. We operate in Latin America, Caribbean, USA, and China, serving various sectors, including industry, hospitals, pharmaceuticals, commercial buildings, mining, and petrochemicals. Our key stakeholders excel in business development, engineering, service, and logistics, with our active consultant having founded the Latin America consultant and designers association and been part of the Daikin Group.



Technical Divisions

-  Insulation
-  Heating
-  Air Conditioning
-  Industry
-  Pre Insulated Pipes
-  Pipes
-  IAQ / Air Quality
-  Refrigeration



Recognized brands we represent





Centrifugal Pumps, Pressure Booster Systems, Variable-Speed Pumping Systems, Shell & Tube and Plate Heat Exchangers, Submersible Pumps, Sewage Pump Stations, Hydronic Specialties, Expansion tanks, I-work controls, Chill beam controls.



Cooling Towers, Closed-circuit Fluid Coolers, Evaporative Condensers and Ice Storage System.



HVAC Special Products



Leader in dehumidification...worldwide, it's a global solution provider for dehumidifiers, gas phase filtration, plastics drying and conveying, dry room, high temperature waste heat recovery and energy-smart cooling using waste heat.

applications

STORAGE

- Electrode
- Film and Magnetic Media
- Military Hardware
- Metal Components
- Seeds
- Sugar
- Tea/Coffee
- Turbine

PACKAGING

- Chemicals and Fertilizers
- Dairy Products
- Leather
- Spices
- Tea/Coffee and many more...

PROCESSING AND PRODUCTION AREAS

- Breweries
- Blasting and Painting
- Candy and Confectioneries
- CT Scan/MRI/OT Rooms
- Electronics
- Food Processing
- Investment Casting
- Laboratories
- Lithium Batteries
- Pharmaceuticals
- * • Safety Glass
- Spray Drying

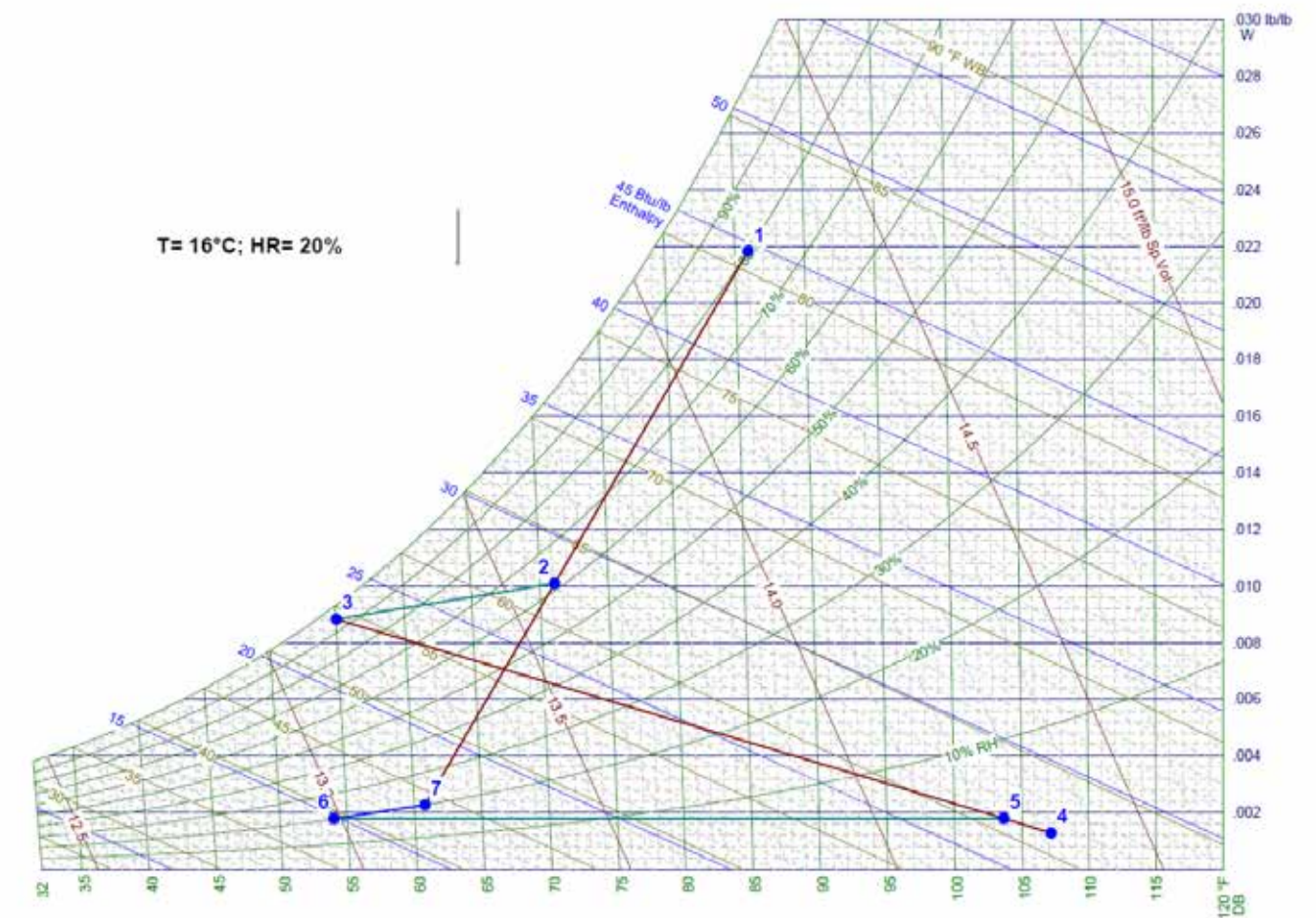
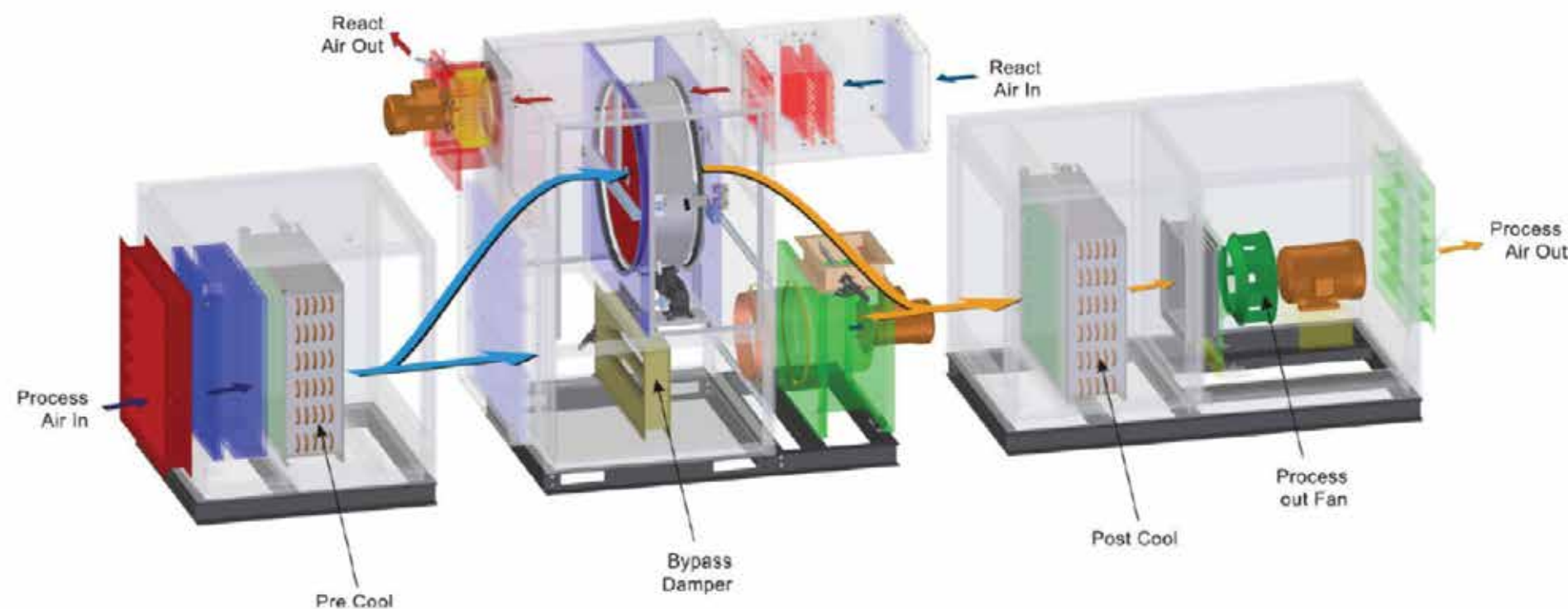
Desiccant Dryers, for humidity control and low relative humidity applications.



HVAC Special Products

Dessicant Drying

We can handle and support your team with calculations, psychrometrics, system flow diagrams and unit selection for your needs; giving you an accurate solution.





Ventilation

INFINAIR is an innovative company which provides environmental and intelligent solutions for all aspects of ventilation systems in both private and public sector. They have been INFINAIR's core values and commitments to our customers over the years



AMCA Certified



TUV Certified



CE Certified



ATEX Certified



CNEX Certified



CCCf Certified



EG Certified



Rooftop Centrifugal Exhaust
Fan - RTC



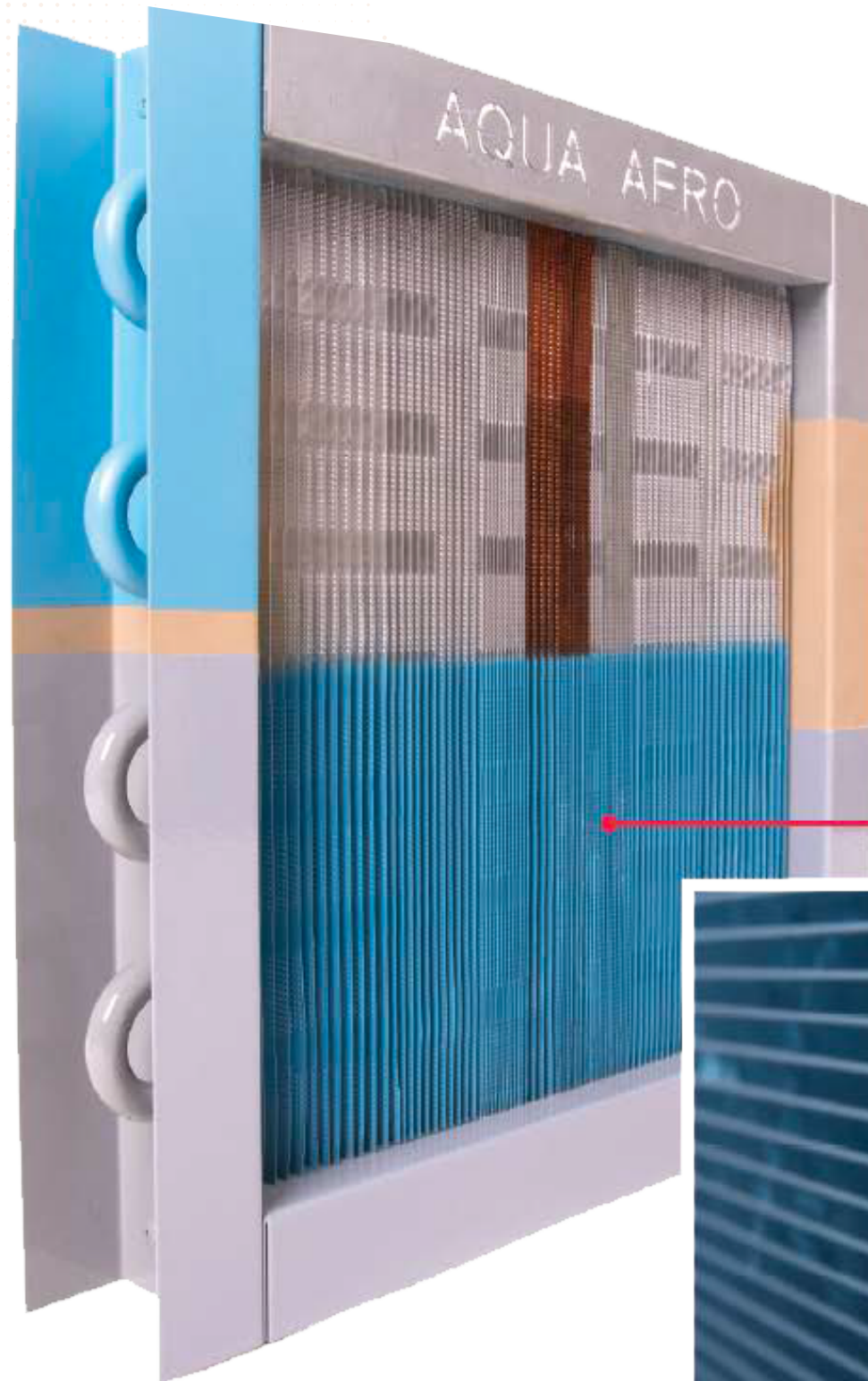
Inline Square Centrifugal
Fan - ISQ



Centrifugal Utility Set -
CUS



COIL COATING



1 Aqua Aero Coil Coating Clear or Pigmented

- 15.000 hours ASTM B117 Saltspray Test Certificate
- Standard UV Protection (ISO 16474)
- Negligible VOC's/No Odor
- No Capacity Loss
- Air-Dry
- Hydrophilic, Hydrophobic and Antimicrobial
- Flamespread and Smoke Index ASTM E84
- FDA Compliant (21 CFR 175.300)
- **Water based**



100% WATER BASED



100% GREEN FOOTPRINT



15-20K HRS SALT SPRAY TEST



Holtop

Bring Forest-Fresh Air to Your Life! Comprehensive solutions of heat and energy recovery ventilators, air-to-air heat exchangers, and air handling units for your comfortable healthy breathing.



Holtop Comfort Fresh Air Ceiling
Mounted Energy Recovery
Ventilator



DOAS FOR HIGH-
PERFORMANCE BUILDING
APPLICATIONS





Air Conditioning Equipment for Applied Purpose

Water Chilling Units (Chillers) with Screw and Centrifugal Compressors, modular chillers, air handling units, and fan coil units for chilled water

Water-cooled Flooded Screw Chiller



COOLING: 110Ton~933"

Air-cooled Screw Chiller



COOLING: 110Ton~420Ton

TICA MODULAR AIR HANDLING UNIT
TAC/TBC Series



TCA-XH Modular Chiller
(Cooling only optional) Max16 units
Cooling capacity: 66– 2272 kW
Heating capacity: 66– 2272 kW
Scroll compressor, R410a



NEW



Centrifugal Chiller

SMARDT



TCAV Full Operation Condition
Variable Speed Scroll
Cooling capacity: 33.5– 1040 kW
Scroll compressor, R410a
T3T4 Special -20~55 °C



Boilers / Heaters

Medium to High-Efficiency Units with Heat Recovery, Cascade Operation, and Remote Monitoring. Buffer and Water Storage Tanks

Electric Boiler/Water Heater



FTXL Fire Tube Boiler



Knight XL



Crest Condensing Boiler



Armor X2 Condensing Water Heater



Noble Fire Tube Combi Boiler



PowerFin Boiler/Water Heater



Shield Commercial Water Heaters



Lock-Temp Storage Tanks



Copper-Fin II Boiler/Water Heater



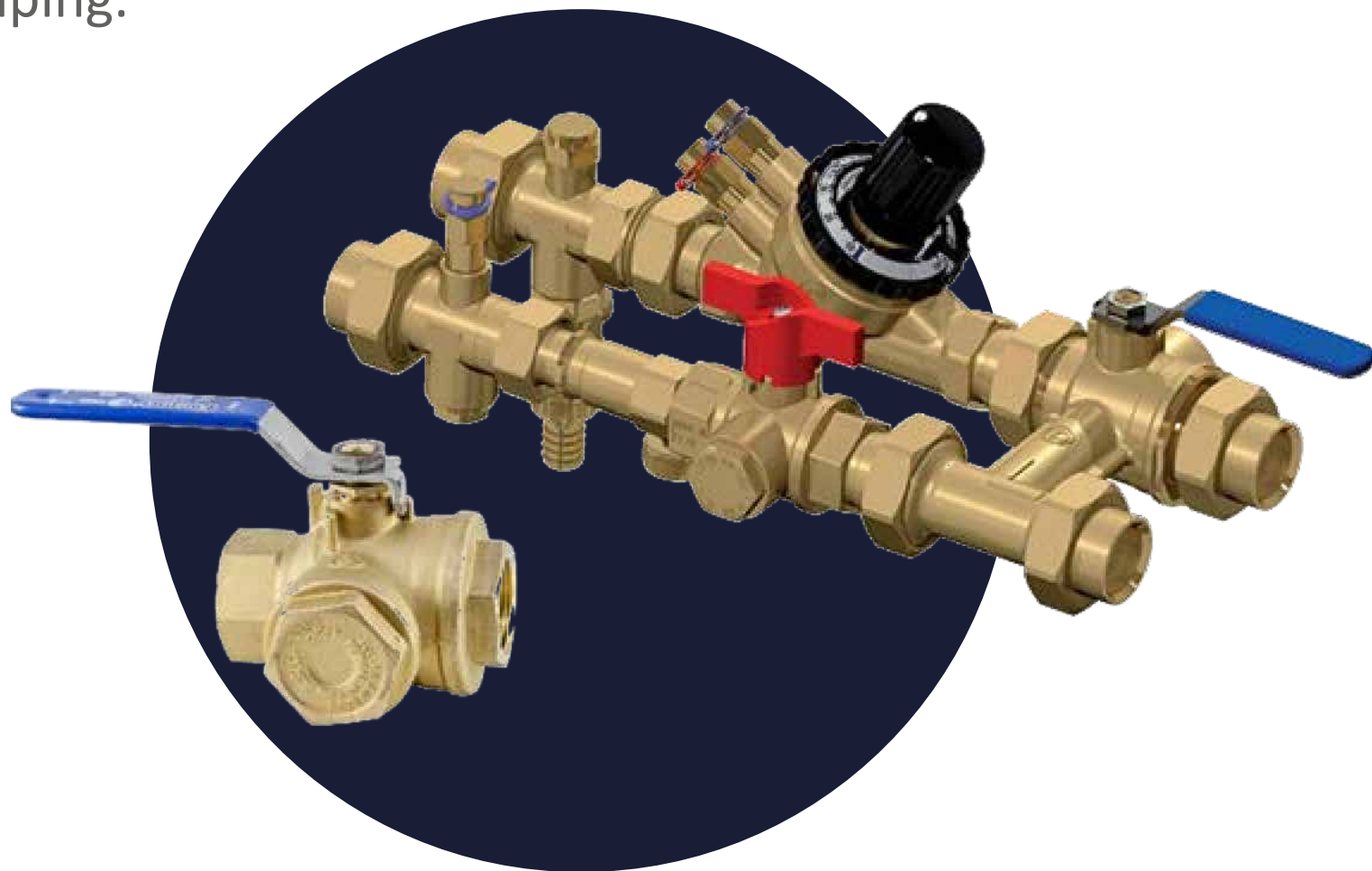
Gas (LPG or Natural Gas) and
Electric Water Heaters



Solutions for industry



Devices for the optimization of air conditioning, heating and refrigeration to increase the energy efficiency of the system as well as a complete range of couplings, unions and connections to suit any piping.

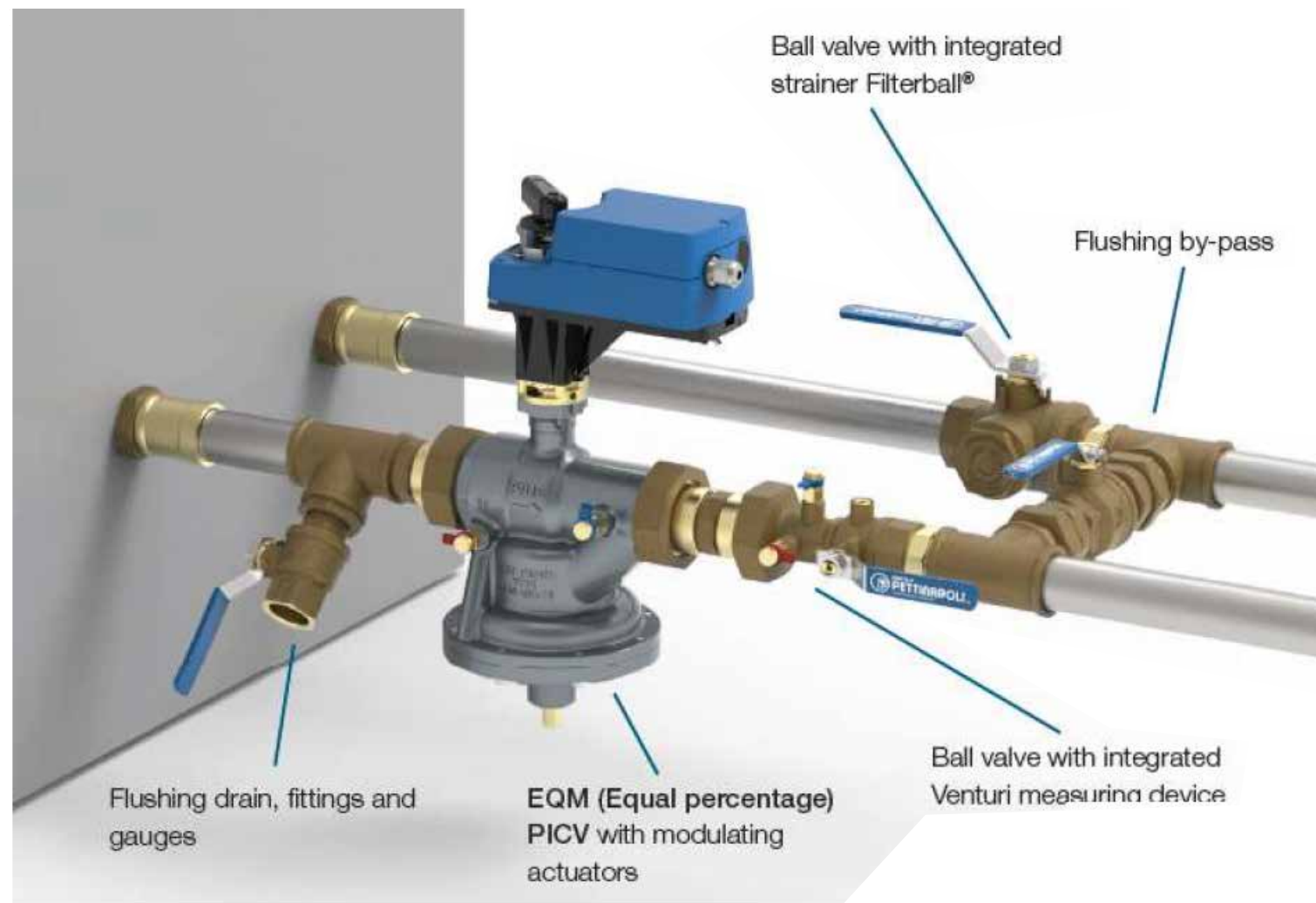


The most extensive range of products in the industry for airborne noise control, structure-borne vibration, room acoustic quality improvement, quiet room construction, acoustic booths, and much more.

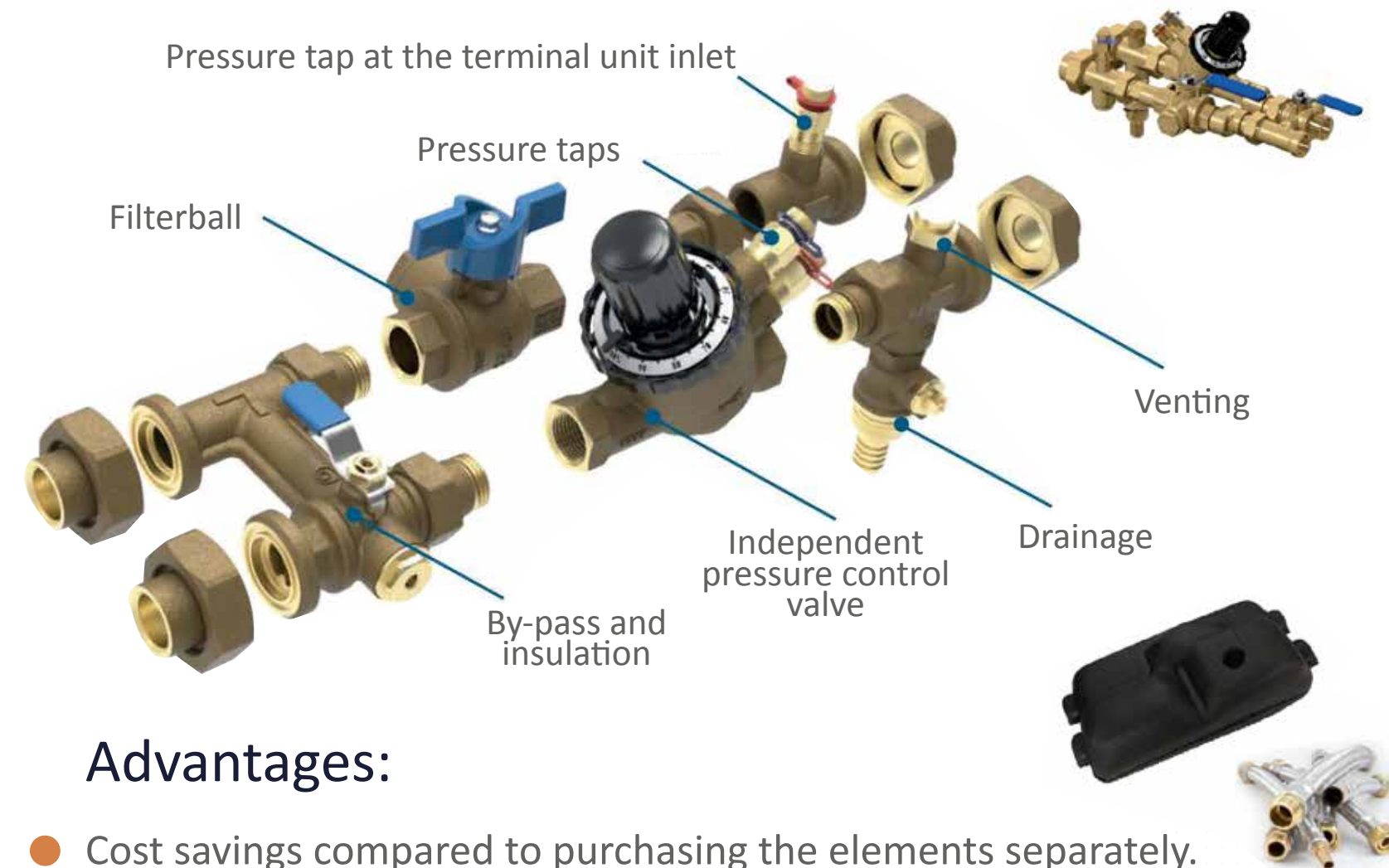


Hydronic Systems Products

Water Flow Control Valves and Hydronic Kits



Control and service valves, hydronic kits for pressure independent control valves (PICV)



Advantages:

- Cost savings compared to purchasing the elements separately.
- Time savings for on-site assembly of the valve train.
- Time savings for on-site insulation of all elements.
- Hydronic kits fully tested 100% with Pettinaroli guarantee.
- No more errors and delays on site.
- Single supplier and single code without the need for product stock.



Airflow Control



Control dampers, fire dampers, smoke and fire dampers, circular dampers, barometric dampers, balancing dampers, gravity dampers with and without electric or mechanical actuators. Industrial dampers for various applications. Louvers for air intake or exhaust. AMCA and UL certifications.





Clean indoor air without producing harmful levels of ozone or other by-products. All needle point bipolar ionization (NPBI) products are UL2998 certified and CE compliant. GPS products improve the air by reducing airborne particles, including certain odors, viruses and bacteria.



IDF-2™



The IDF-2 is a low-profile, quiet operation ceiling tile fan with NPBI™ technology directly integrated. The IDF-2 is easy to install and ideally suited to spaces such as conference rooms, classrooms, healthcare waiting rooms and open plan offices.

PF-i™



The GPS Air PF-i is a self-cleaning filter enhancement system. The Opti-Lok™ technology improves an air filters ability to capture sub-micron particles, making it more efficient. The unit is designed for mounting inside ducts and air handling units upstream of system filtration.

PF-e™



The GPS Air PF-e is an indoor duct mounting filter enhancement system. The Opti-Lok™ technology improves an air filters ability to capture sub-micron particles, making it more efficient.





Special applications



HVAC Special Products



Absorption chillers with multiple energy sources (natural and LPG gas, diesel, hot-water, steam, waste heat). Sea water Desalination, Air cooled condensers.

Air Cooled Condensers



Steam Fired Lithium Bromide
Absorption Chiller



Direct Fired Lithium Bromide
Absorption Chiller



Hot Water Fired Lithium Bromide
Absorption Chiller



Flue Gas Fired Lithium Bromide
Absorption Chiller

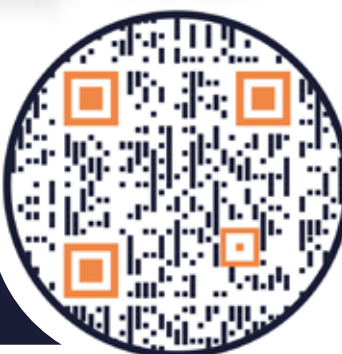


HVAC Special Products

Frequency Inverters



With leading application know-how, and sustainable innovation, we set out to become our customers' preferred decarbonization partner, with a focus on long-term value creation for our customers and employees



HVAC Special Products

Enclosures Air Conditioners



Unique air conditioners for electrical enclosures cooling; to be attached to electrical boards, panels for immediate cooling, directly to the heat dissipation equipment. Engineered and manufactured to endure the most difficult of environments and applications. • Thermal Edge air conditioners will exceed environmental requirements in applications like Steel, Food Processing, Petro-Chemical, Cement, Paper and Pulp and Plastics. All products are available in UL types 12, 4 and 4X. Hazardous locations options are available.



Efficient and economical cooling
from 1,000 to 20,000 BTUH



HVAC Special Products

UL Listed Enclosure Air Conditioners

CS SERIES AIR CONDITIONERS

- Industry leading 5-Year Workmanship Warranty
- Smallest 2000 BTUH available
- Active Condensate Evaporation is standard
- Fits on a 7" or 10" deep enclosure
- Available in UL Types 12, 4, 4X
- Fully programmable digital controller with temperature and pressure monitors for a smarter air conditioner
- 115V, 230V, 48VDC in 1000 BTUH



- 1000 BTUH
- 2000 BTUH



NE SERIES AIR CONDITIONERS

- Industry leading 5-Year Workmanship Warranty
- Active Condensate Evaporation is standard
- Fits on a 12" deep enclosure
- Available in UL Types 12, 4, 4X and Hazardous Environment applications
- Fully programmable digital controller with temperature and pressure monitors for a smarter air conditioner
- 115V, 230V, 460V, 48VDC in 4000 BTUH



- 1000 BTUH
- 1500 BTUH
- 2000 BTUH
- 3000 BTUH
- 4000 BTUH
- 5000 BTUH
- 6000 BTUH
- 8000 BTUH



TM SERIES AIR CONDITIONERS

- Industry leading 5-Year Workmanship Warranty
- Top Mounted Enclosure Air Conditioners
- Active Condensate Evaporation is standard
- Available in UL Types 12, 4, 4X
- Fully programmable digital controller with temperature and pressure monitors for a smarter air conditioner
- 115V, 230V, 460V



- 6000 BTUH
- 8000 BTUH



HC SERIES AIR CONDITIONERS

- Industry leading 5-Year Workmanship Warranty
- Active Condensate Evaporation is standard
- Available in UL Types 12, 4, 4X and Hazardous Environment applications
- Fully programmable digital controller with temperature and pressure monitors for a smarter air conditioner
- 115V, 230V, 460V



- 10,000 BTUH
- 12,000 BTUH
- 15,000 BTUH
- 20,000 BTUH



Precision Air conditioning

Precision air conditioning units, for floor or wall mounting, for Data Centers and Telecommunication rooms.

Features:

High energy efficiency and reliability in critical environments.

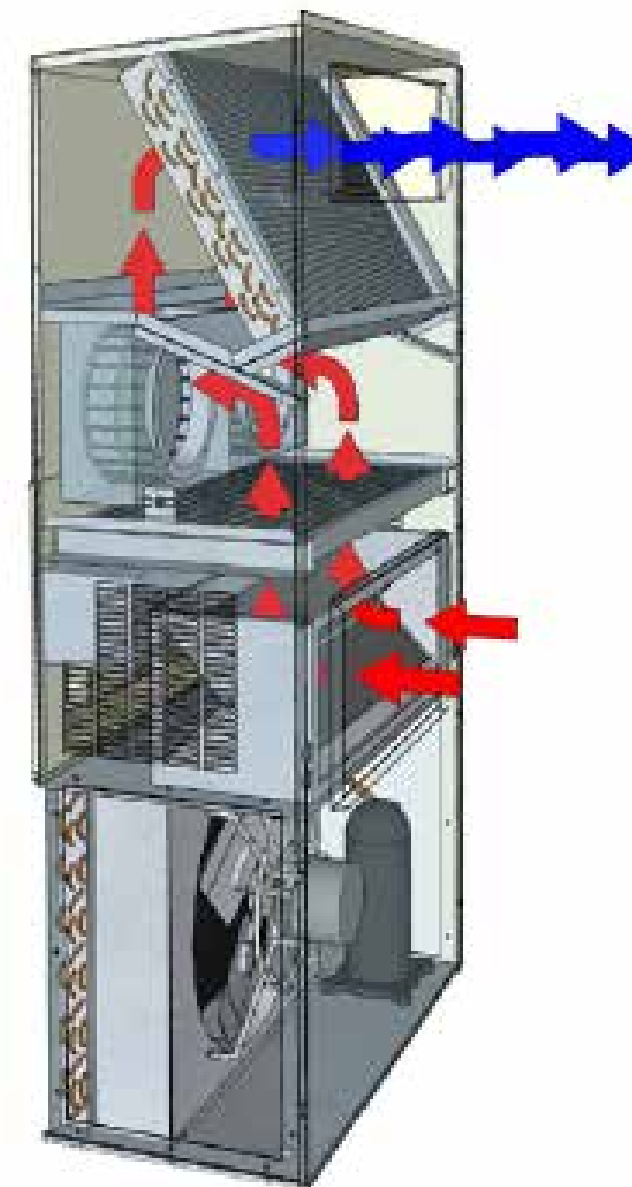
Free cooling functionality, utilizing low temperature air from the outdoor environment.

Energy savings and offering optimal value for critical environments.

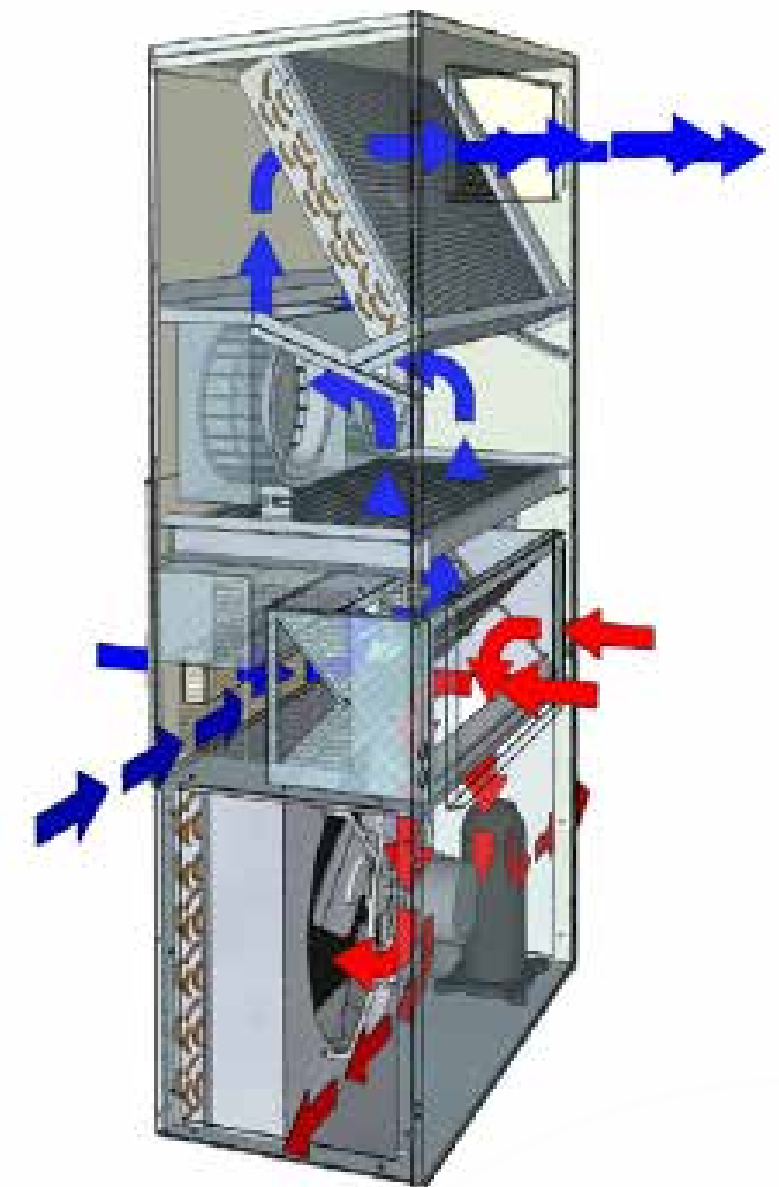


Wall Mount Air conditioning

Backpack-type air conditioning units for conditioning electrical rooms and control rooms in the industry, as well as for telecommunication stations. Equipment ranging from 1.5 to 30 tons for direct wall mounting on the exterior of the conditioned environment.



100% Mechanical Cooling



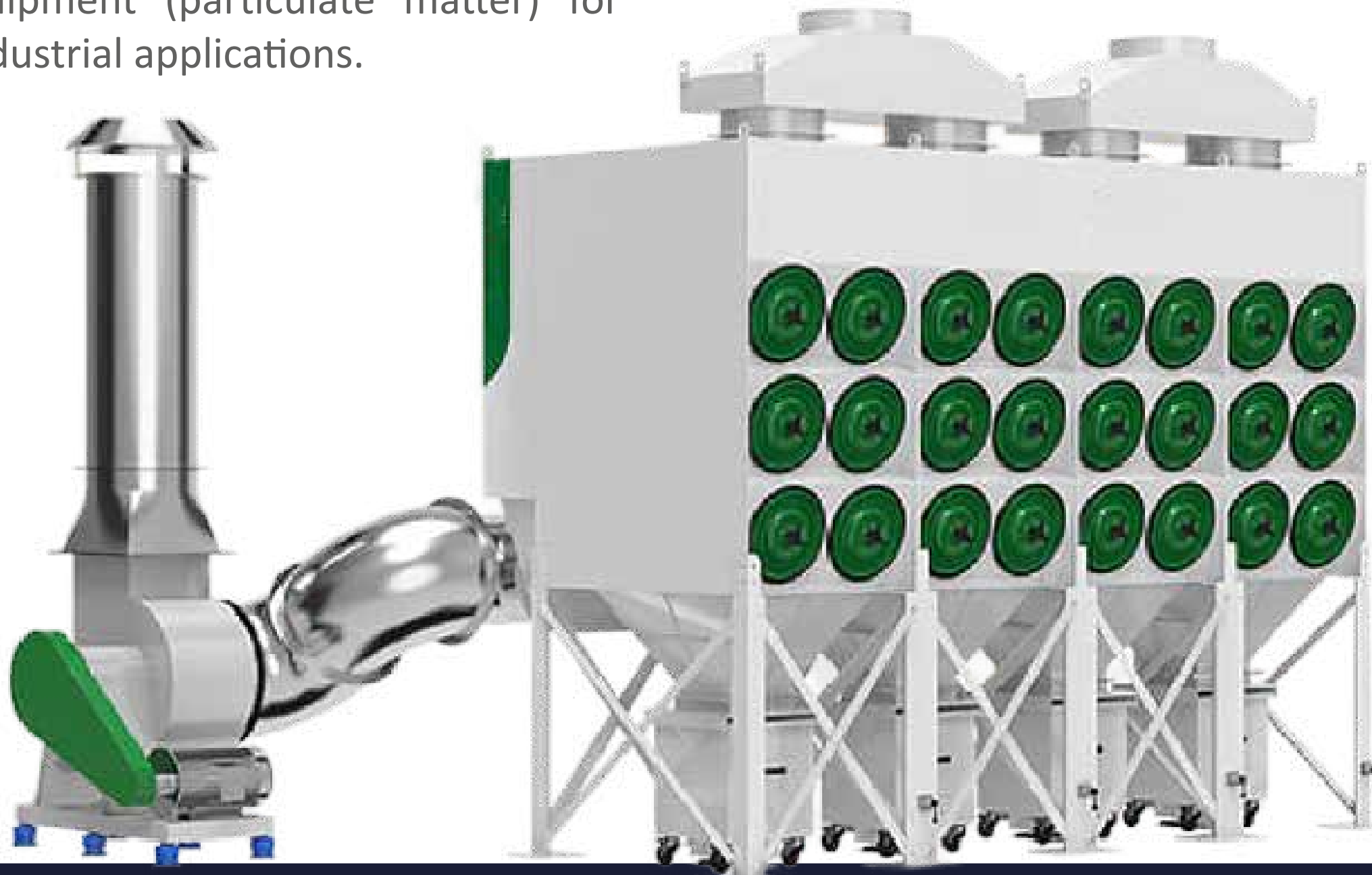
100% Economizer Cooling



HVAC Special Applications



Dust collection equipment (particulate matter) for medium and light industrial applications.





HVAC Special Applications

Dust Collection System | Regular Dust Collector

VJ-H Series



VJF Series



VJCF Series



VJFB Series



VJFX Series





HVAC Special Applications

Dust Collection System | Regular Dust Collector



VJFCB Series

Vertical Type



Horizontal Type



VJFGB Series

Vertical Type



Horizontal Type





HVAC Special Applications

Dust Collection System | Centralized Dust Collection System



VFO Series



VH-Z Series





HVAC Special Applications

Dust Collection System | Fume Extractors



VH Series



VHT Series



VHX Series



VH-T Series





HVAC Special Products



PERT – AL – PERT pipes for refrigeration systems, with mechanical connections (no welding). Extremely convenient for time reduction and no copper dependence.

Multilayer Composite Pipe Construction:

Inner layer of Natural PE-RT (polyethylene of raised temperature)

Natural PE-RT material has excellent chemical resistance

+ Adhesive Layer

+ Aluminum layer

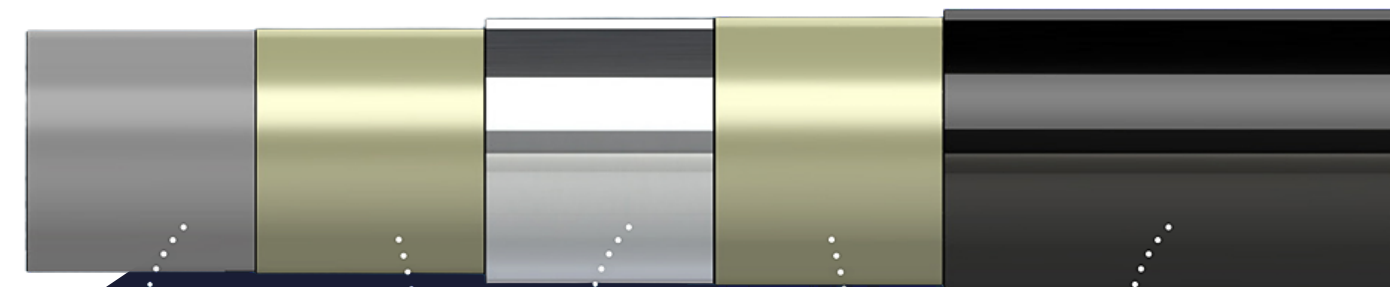
+ Roll formed and butt-welded AL alloy

+ Adhesive Layer

+ Outer layer of PE-RT (polyethylene of raised temperature)

Contains carbon black yielding excellent UV resistance

Pricing is competitive and more stable than copper line set
pipe pricing Good flexibility that is less likely to kink with
reduced stress hardening Lighter weight than copper pipe
Chemical and UV resistant Less likely to be stolen on job sites
Compression crimp fittings can be applied in the field
without the use of special press tools



INNER PERT

ALUMINUM

OUTER PERT

ADHESIVE

ADHESIVE





HVAC Special Products



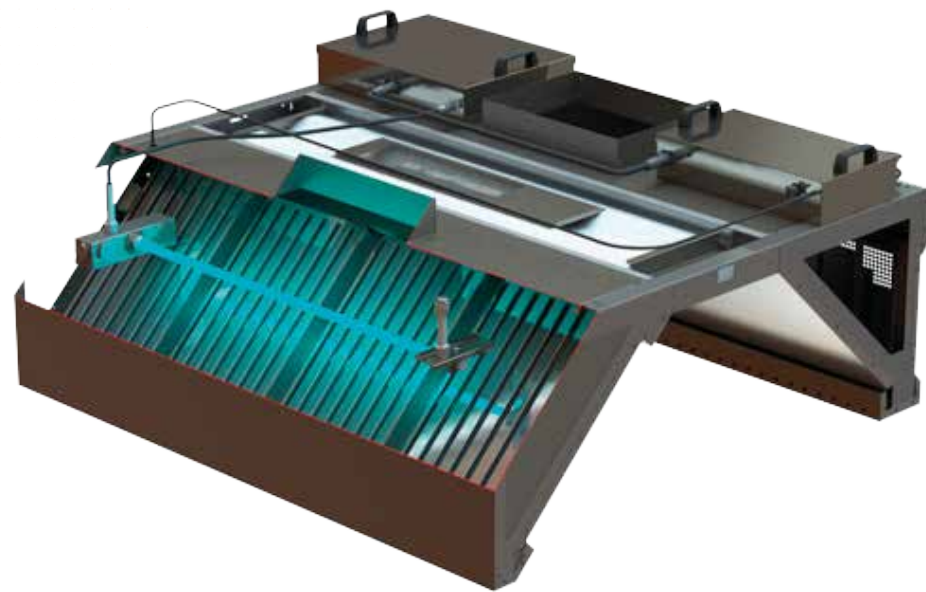
Available pipe sizes: 1/4", 3/8", 1/2", 5/8", 3/4", 7/8"
Maximum Design Pressure:
700psi for 1/4", 3/8", 1/2", 5/8", 3/4" sizes
650psi for 7/8" sizes
Maximum Design Temperature: 203°F
Approved Refrigerants: R410a, R32, R454b

Pipe and compression fitting system designed for both
Split System and Minisplit System applications
Insulated and non insulated pipe product
Coil lengths: 50' and 300'
Product Tested and Listed to ASTM F3506-21 standard
specification





Oil, Odour and Grease Removal



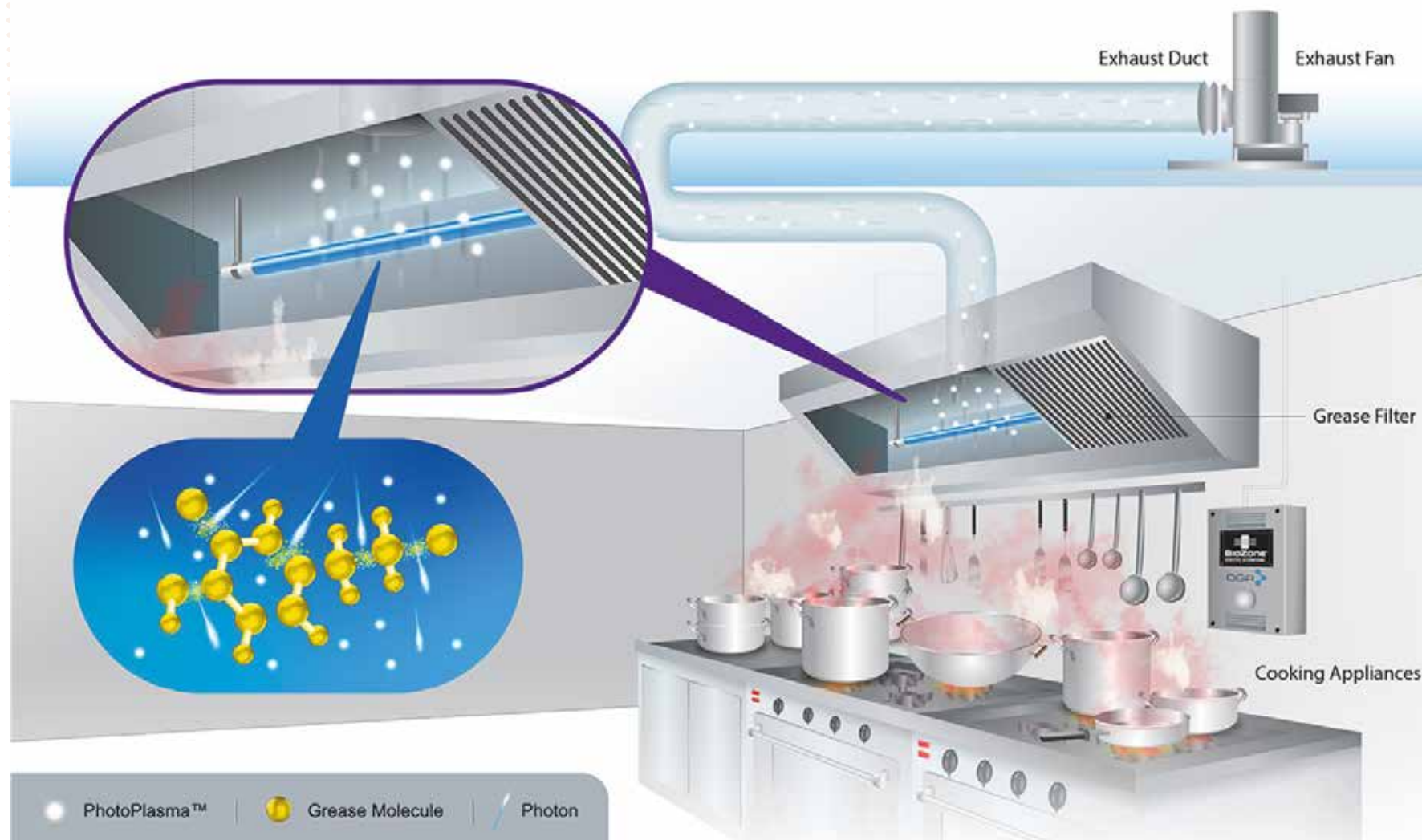
BSG OGR is an automated, chemical-free treatment system that reduces the accumulation of grease, oil, and unwanted food odours from commercial and industrial kitchens.

- ➔ Reduces the risk of dangerous fire hazards
- ➔ Eliminates odours & cooking emissions
- ➔ Compatible with every kitchen hood & duct

SUPER COMPACT & INCREDIBLY POWERFUL

Automated and Chemical-free
Kitchen Hood and Duct Cleaning
Solution



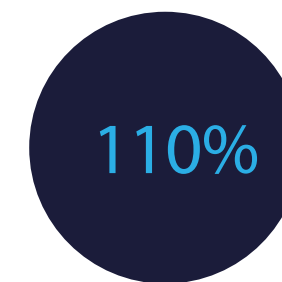


Benefits of BSG OGR:

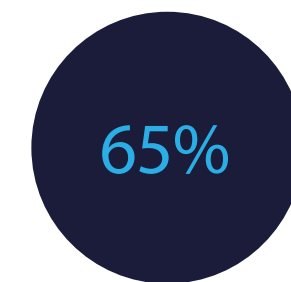
- + Automates cleaning
- + Removes fire hazards due to grease and oil buildup
- + Removes odour from exhaust air
- + Chemical-free cleaning solution
- + Works with every kitchen hoods and ducts
- + Reduces cleaning time



Fires in commercial kitchens per year in USA



Yearly increase in number of commercial kitchen fires



Of fires specifically related to kitchen hoods



Typical reduction in grease & oil by using the BSG OGR system**

A powerful technology ingredient

- + The latest technology saves your customers' maintenance costs and reduces the time they will spend on manual cleaning
- + BSG OGR reduces the risk of dangerous fire hazards, kitchen odours, and cooking emissions
- + New construction and upgrades to existing cooking facilities can benefit from including BSG OGR
- + The BSG OGR solution amplifies the working efficiency and lifetime of any hood and ventilation system, and is the perfect complementary technology to kitchen hood baffles





OEM

Equipments and materials

ThermoZmart

ThermoZmart

Through our own brand "ThermoZmart" we are manufacturing products and solutions where quality, sales, service and engineering come together at a very competitive price across our regions and markets.

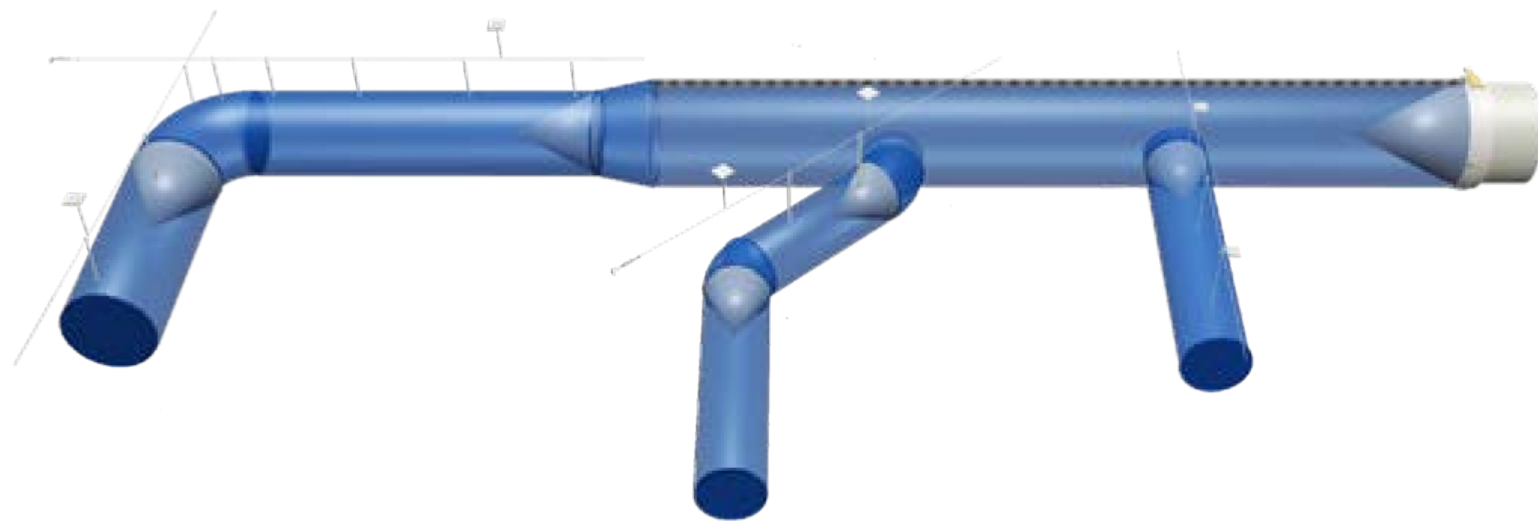
- + Cooling towers**
- + Pre-Insulated Piping**
- + Fabric ducts**
- + Ventilation units**



Special Applications



Pre-insulated piping system and accessories are an efficient and effective solution for numerous applications in the industry, including chilled/cold water systems, hot water systems, district cooling/heating, industrial glycol cooling, refrigeration, VRF/VRV, etc.



We provide tailor-made textile duct solutions, made of synthetic fiber, adaptable to any space, application and site that requires air in comfortable environmental conditions..





CLOSED CIRCUIT COOLING TOWERS

ThermoZmart
Cooling Towers



TEKSOL
GROUP SOLUTIONS

EVAPORATIVE CONDENSER THERMOZMART





Materials and equipment
we sell



PPR Pipes:

Hygienic, heat-resistant and long-lasting pipes. Their thermal conductivity coefficient is very low and they are good in heat preservation and energy conservation. Due to the hot melt joining technique, it is friendly to construction materials, without using cleaners or solvents common in other systems.



PEX Pipes:

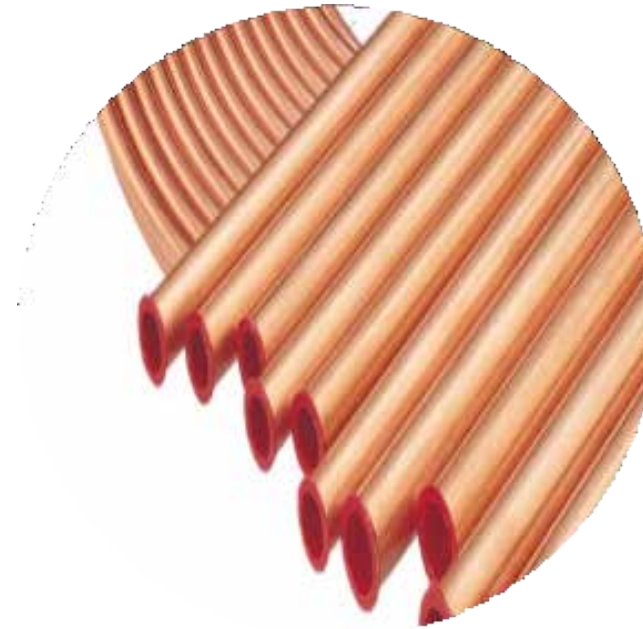
PEX products for mechanical and plumbing systems that can play an important role in the design of energy-efficient heating and cooling and in the distribution of clean water without waste.





Flexibe Ducts

- + Adaptable to any ventilation system.
- + They are suitable for connecting supply air outlets to rigid ducts.
- + High strength, flexibility.



Copper Pipe:

- + Recommended for conduction cooling, VRF/VRF, hot water, its main components are: Copper central/internal pipe, Schedule K, L, M, ACR in internal diameters from 1/4" to 4 1/8".



Steel/Iron Pipe

- + Recommended for the conduction of cold and hot water.
- + C-20/40/80 steel/iron central/internal piping in internal diameters from 1/2" to 16".

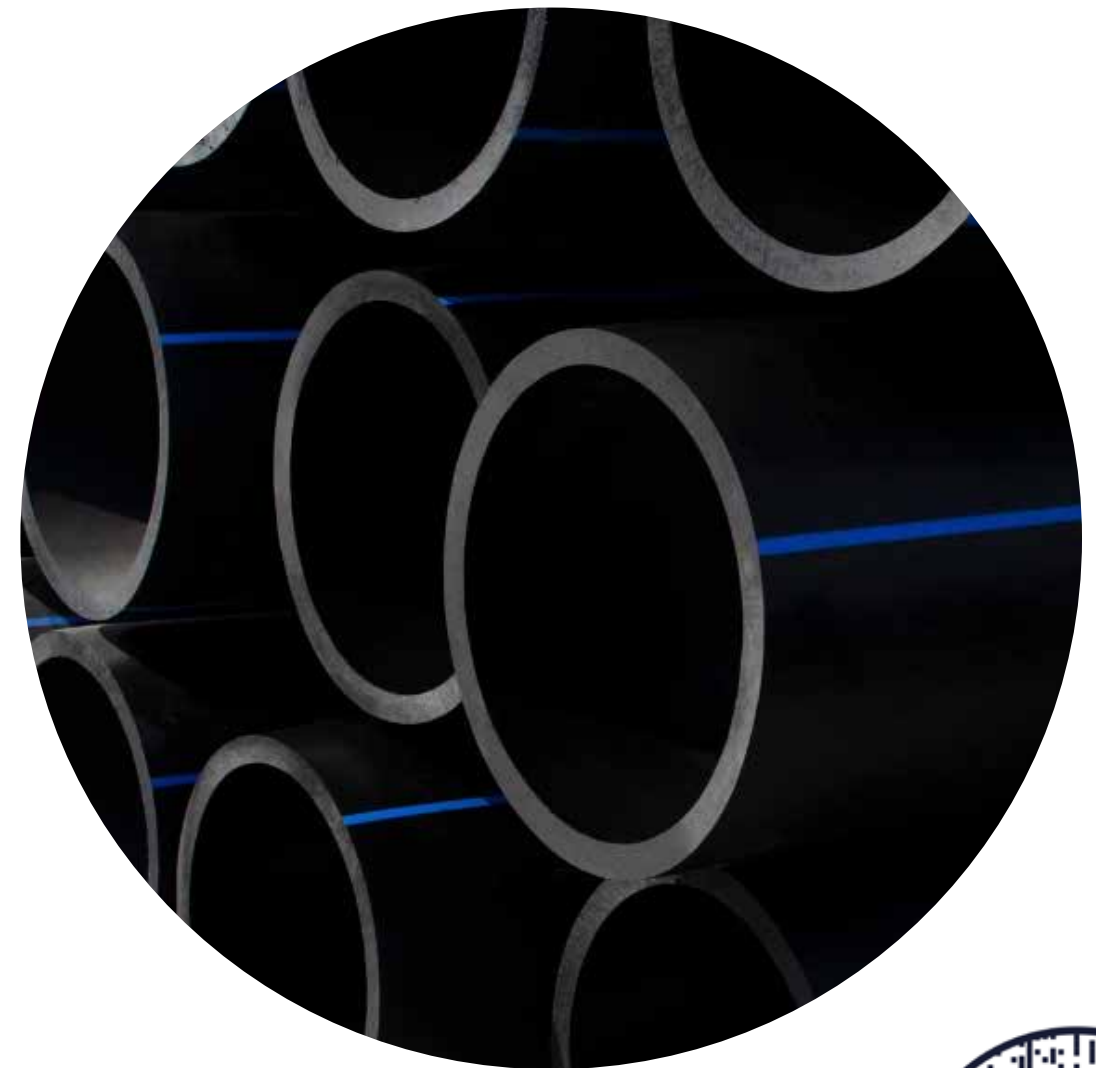


Corrugate PE and PE pipes

Our high-performance bimodal pipe, stands out for its incredible chemical, impact, abrasion and corrosion resistance. It has a smooth inner wall and is installed by thermofusion for a 100% watertight system (can be installed in open trench or by microtunneling).

Fire Protection: RED FIRE

- TDR PE 4710 is a high performance bimodal HDPE pipe.
- Very high chemical resistance (acids, alkalis, salts, solvents, etc).
- Resistant to abrasion and corrosion.
- Very high impact resistance.
- Its smooth inner wall avoids sedimentation, preventing the reduction of flow capacity.
- Its installation by thermofusion achieves a 100% hermetic system.
- Can be installed in open trench or by microtunneling.



PP-R 100 and Fiberglass Reinforced System

Fire Suppression Installations

New Market Segment

RED FIRE pipe

Specifications:

Diameter: Ø 20-125 mm (SDR11*)

Color: Red

Raw Material: PP-R 100

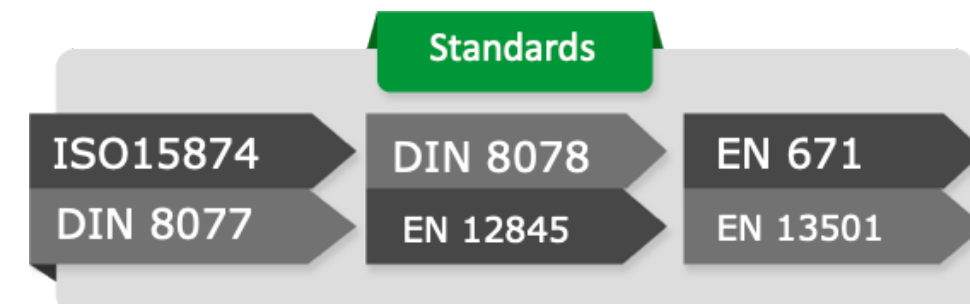
3 Layers: Flame retardant additive

Fire Reaction Class: B-s1,d0

Welding: Socket fusion

Operating Conditions: 12.5 bar | 20°C

Expected Durability: >50 years



Fire Protection: Accessories



Specifications:

Diameter: Ø 20-125 mm

Raw Material: PP-R and PP-R 125

With flame retardant additive

Fire Reaction Class: B-s1,d0

Welding: Socket fusion



Standards		
ISO15874	DIN 8078	EN 671
DIN 8077	EN 12845	EN 13501



Fiberglass insulation

It is the suitable solution for the external insulation of metallic air distribution duct networks, both rectangular and circular in section, in the thermal installations of air conditioning in buildings.



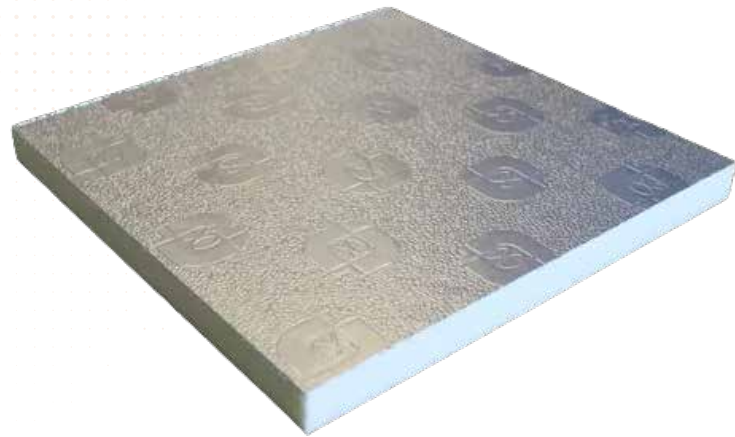
Thermal Insulation:

Aerofoam® XLPE: cross-linked polyolefin foam suitable for thermal insulation, condensation control and mechanical protection.

Aerofoam® NBR: flexible elastomeric foam suitable for condensation control, thermal insulation and sound absorption.



Pre-insulated panels:



Pre-insulated panel of rigid polyisocyanurate foam (PIR) coated on both sides with embossed aluminum.
Designed for the manufacture of ducts for air distribution and ventilation systems and for air conditioning equipment.

ADVANTAGES AND BENEFITS

	Light weight: The ducts fabricated from ALPHA-PIR panels have a considerably lower weight when compared to the conventional sheet metal ducts.
	Installation speed: Because of the light weight, the ducts fabricated from ALPHA-PIR panels can be installed faster than the conventional sheet metal ducts and therefore offer a huge saving in installation time and manpower cost.
	Environment friendly: ALPHA-PIR panels are CFC and HCFC free.
	Moisture resistance: The usage of the aluminium foil facing makes ALPHA-PIR panels highly resistant to moisture and eliminates the need of a vapor barrier used with the traditional fiber insulation.
	Health and safety: ALPHA-PIR panels are resistant to bacteria and microbes, fungal and mould growth, will not sustain vermin, are odorless and have a fiber free foam core.
	Visible application: ALPHA-PIR air duct system is aesthetically pleasing in open to view applications.
	External application: ALPHA-PIR air duct system can be used in external applications provided that it is protected from adverse weather conditions and sunlight.
	Air leakage: The recommended fabrication procedure allowing the combination of the suitable number of pieces in addition the possibility of fabricating duct pieces in sections up to 4 m (13') length will reduce the total number of joints in ALPHA-PIR air duct system compared to the conventional sheet metal duct systems. This will result in reducing the volume of air leakage in the full system.

RANGE AND LIMITATIONS

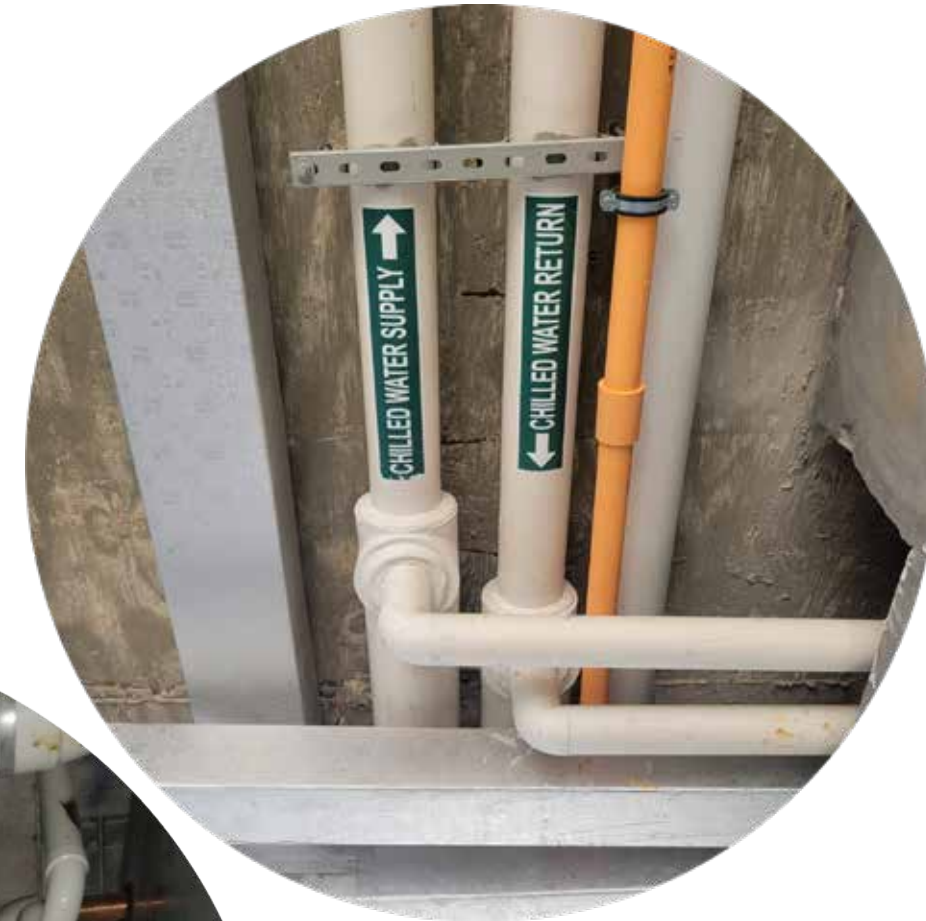
ALPHA-PIR air duct system is recommended to be used in the systems of supply, return, fresh air and exhaust for air conditioning, heating and ventilation within the below limits:

Maximum air velocity: 20 m/s (3937 fpm)	Maximum pressure: 2000 Pa (8 in. w.g.) positive and 750 Pa (3 in. w.g.) negative.	Temperature: Air temperature between -20°C and +80°C (-4°F and +176°F).	Size: Please refer to the fabrication and installation procedures. Any size can be fabricated after the technical consultation of ALPHA DUCTS LLC technical team.
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	Thermal conductivity	0.022 W/m.K (0.15 Btu.in/hr.ft².°F)	ASTM C518 at 10°C (50°F)
	Water vapor transmission	ZERO g/h.m² (grain/h.ft²)	ASTM E96
	Foam core density	42 to 48 kg/m³ (2.62 to 3 pcf)	BS EN 1602
	Temperature range	-20°C and +80°C (-4°F and +176°F)	As per standard practice
	Minimum compressive strength	200 kPa (29 psi)	BS EN 826 at 10% deformation
	Minimum flexural strength	1080 kPa (156.6 psi)	ASTM C203
	Minimum closed cell content	90%	BS EN ISO 4590



Projects





TEKSOL
GROUP SOLUTIONS



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