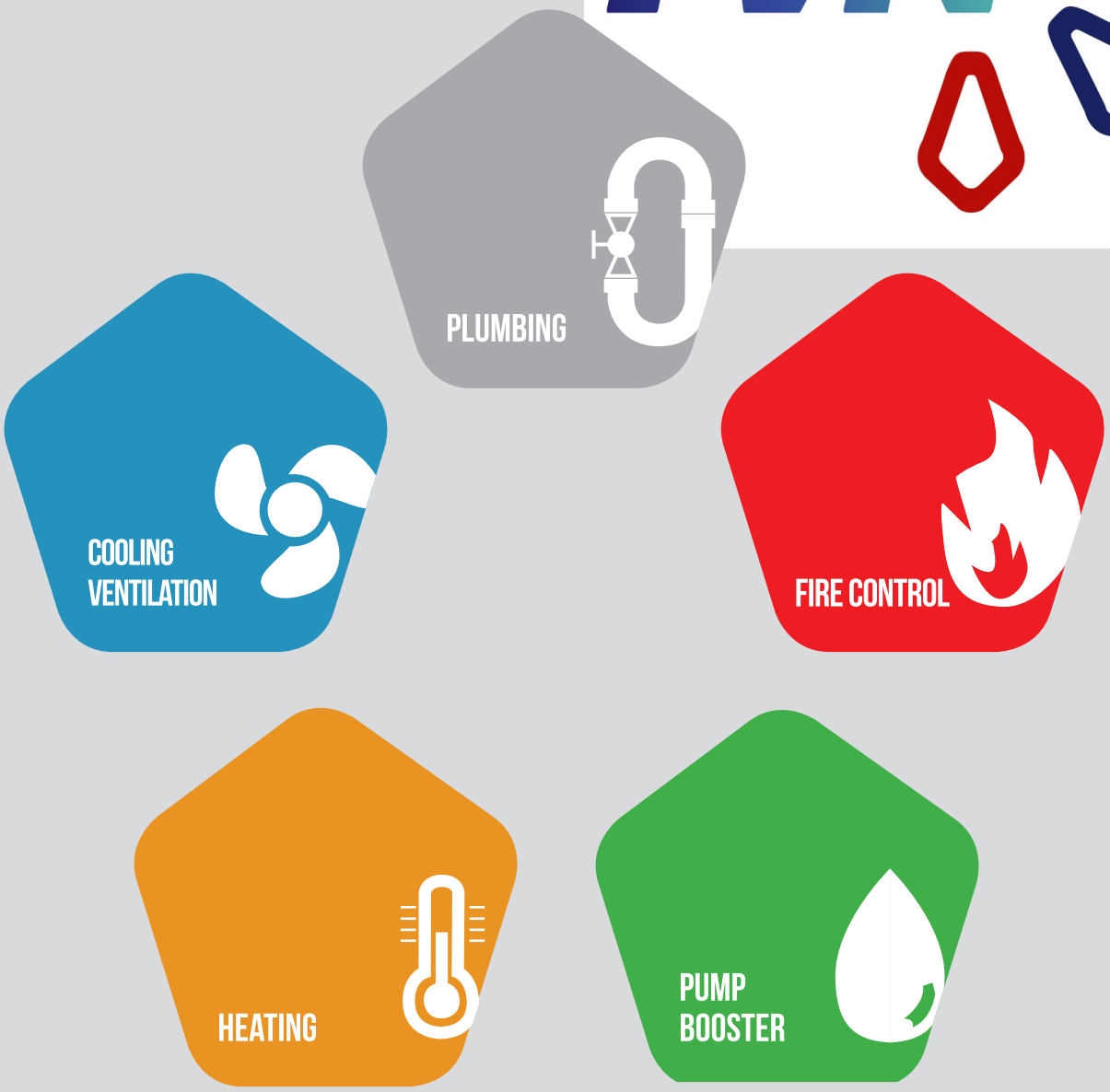
TRADING ITEMS
Leaflet



TVN Valve & Piping Company

Turkey

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BALL VALVE

Operating Pressure: PN 40
Connection Diameter: From 1/4" up to 2"
Connection Type: Standard Pipe Thread
Operating Temperature: Max. +120 °C

MINI BALL VALVE

Operating Pressure: PN 16
Connection Diameter: From 1/8" up to 3/4"
Connection Type: Standard Pipe Thread
Operating Temperature: Max. +120

RADIATOR VALVE

Operating Pressure: PN 16
Connection Diameter: 1/2"
Connection type: Straight and corner type
Operating Temperature: Max. +80

CHECKVALVE

Operating Pressure: PN 12
Connection Diameter: From 1/4" up to 4"
Connection Type: Standard Pipe Thread
Operating Temperature: Max. +80

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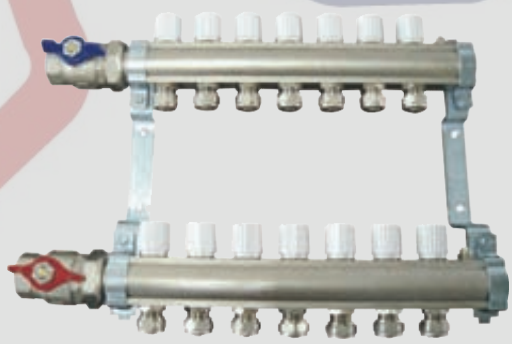
STRAINER

Operating Pressure: PN 16
Connection Diameter: From 1/4" up to 4"
Connection Type: Standard Pipe Thread
Operating Temperature: Max. +110

BELLOW TYPE STEAM TRAP

Operating Pressure: PN 10
Connection Diameter: From 1/2" up to 1"
Connection Type: Standard Pipe Thread
Operating Temperature: Max. +200 °C

BRASS COLLECTOR GROUP with FLYWHEEL AND CLAPET (SHUT-OFF)



ULTRASONIC CALORIMETERS

Connection Diameter: DN 20 - DN 100
Standard: EN 1434
Approval: Approved by MID
Measuring Range: 5 ˚C - 90 ˚C
Test Pressure: 16 bar

MECHANICAL CALORIMETERS

Connection Diameter: DN 20
Standard: EN 1434
Approval: Approved by MID
Measuring Range: 5 ˚C - 90 ˚C
Test Pressure: 16 bar

HOT WATER METERS

Connection Diameter: DN 20
Standard: EN 1434
Approval: Approved by MID
Measuring Range: 5 ˚C - 90 ˚C
Test Pressure: 16 bar

COLD WATER METERS

Connection Diameter: DN 20
Standard: EN 1434
Approval: Approved by MID
Measuring Range: 5 ˚C - 90 ˚C
Test Pressure: 16 bar

COLLECTOR WITH EXTERNAL THREAD

AUTOMATIC AIR ELIMINATOR - CHECKVALVE ½”

BOILER FILL - DRAIN VALVE

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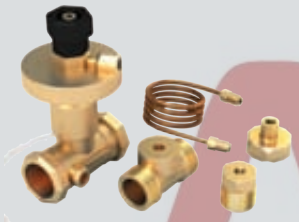
THREE-WAY VALVES

Connection Diameter: DN 40-DN 200
Material: GG 25 cast iron
Standard: PN 6-10
Measuring Range: 5 ˚C - 90 ˚C
Test Pressure: 16 bar

VALVE ACTUATOR

OPERATING VALVE: 60,000 shut-offs
Supply: 220 v
Torque: 8 Nm
Operating Temperature: 50˚C
Protection: IP 40

DIFFERENTIAL PRESSURE VALVE



Connection Diameter: DN 20 - DN 100
Material: Brass
Impulse Material: Copper
Pressure Range: 5-25 kpa

AGRICULTURAL IRRIGATION METER

Connection Diameter: DN 32 - DN 250
Standard: EN 1434
Approval: Approved by MID
Test Pressure: 16 bar
With or without prepayment, electronic

BALANCING VALVES

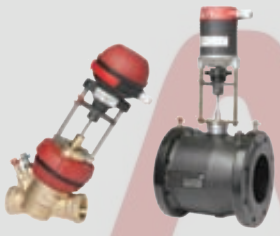
STATIC BALANCING VALVES

Connection Diameter: DN 10 - DN 200
Material: Brass
Pressure Class: PN 20
Max. Operating Temperature: 120°C

DYNAMIC BALANCING VALVES

Connection Diameter: 1/4"-2"
Material: Brass
Pressure Class: PN 16
Max. Operating Temperature: 120°C

COMBINATION CONTROL VALVES



Connection Diameter: DN 10 - DN 150
Material: Brass and non-metallic
Pressure Class: PN 16
Max. Operating Temperature: 120°C

DIFFERENTIAL PRESSURE CONTROL VALVES

Connection Diameter: DN 10 - DN 200
Material: Non-metallic
Pressure Class: PN 16
Max. Operating Temperature: 120°C

FLANGES, PATENTS, FITTING MATERIALS AND OTHER CONNECTION EQUIPMENT

FLANGES

DIMENSIONS : DN 15-DN 2000
FLANGE CLASSES : PN 6 PN 10 PN 16 PN 25 PN 40 PN 100
NORMS : DIN, ANSI
FLANGE MATERIALS : ST 37, AISI 304, GG 25

PATENT ELBOWS AND REDUCTIONS

DIMENSIONS : DN 15-DN 2000
FLANGE CLASSES : PN 6 PN 10 PN 16 PN 25 PN 40 PN 100
NORMS : DIN, ANSI
MATERIALS : ST 37, AISI 304, GG 25

FITTING MATERIALS

DIMENSIONS : 1/8" - 4"
NORMS : DIN, ANSI
MATERIALS : AISI 304, 316, GG25, ST 37

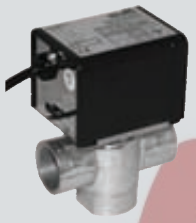
2 AND 3-WAY CONTROL VALVES

- Globe type two-way control valve
- Equal percentage control valve curve
- Flanged ductile cast iron or ductile cast iron body
- Stainless steel valve seat, shaft, and clapet
- Superior impermeability
- Compliance with Ontrol and Belimo servomotors
- Linear shaft movement

VALVE SERVOMOTORS

MVS series valve servomotors are used for positioning three-way or two-way control valves in heating, ventilation, and air conditioning systems. These servomotors conform with control panels that have 2-10V DC proportional outputs.

2- AND 3-WAY FAN-COIL VALVES



- 230 VAC Power Supply
- On/Off Control
- Off when non-energized
- Internal Thread

OUTDOOR AIR TYPE SENSOR

ROOM TYPE SENSOR

IMMERSION TYPE SENSOR

CHANNEL TYPE SENSOR

CHANNEL TYPE HYGROSTAT SENSOR

FREEZE THERMOSTAT

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WATER METERS

COLD WATER METERS

- Single beam design
- High resistance to pressure with special glass
- Cap that rotates 360 degrees
- Brass body with electrostatic paint
- Resistance to 50°C heat

HOT WATER METER

- Single beam design
- High resistance to pressure with special glass
- Cap that rotates 360 degrees
- Brass body with electrostatic paint
- Resistance to 90°C heat

FLANGED INDUSTRIAL METERS

- Multiple beam design
- High resistance to pressure with special glass
- Cap that rotates 360 degrees
- Brass body with electrostatic paint
- Resistance to 90°C heat
- DN 50 flange

FLANGED INDUSTRIAL METERS

- Suitable for optical reading
- Conforming with IP 68
- Diameter range of DN 65-DN 200
- Impact resistant thick glass
- Resistance to 90°C heat

PREPAID WATERING METER

- Invoicing with prepayment
- Complete management of water consumption
- A climate conditions confirming and corrosion resistant body
- Complete isolation against outer effects with contactless card
- Elimination of the need to meter reading process
- Easy statistics preparation and service provision in computer environment

GPRS - SMART CARD WATERING METER

- Complete management of water consumption
- Corrosion resistant body
- Isolation against outer effects
- DN 32-DN 250 Nominal diameter

STEAM FITTINGS

Boiler Feeding Device

Connection	: Threaded or Flanged
Max. Pressure	: 25 bar
Max. Temperature	:200°C
Application Areas	: Steam boilers, water boosters

Steam Traps
These devices release condensate (water) and air from steam systems.
It has such types as thermodynamic, thermostatic, float, and inverse bucket.
Nominal diameters: Up to 1/2"-2" and DN 15-DN 65
Connection: Threaded or Flanged
Body Material: Ductile cast, ST 37, ductile, stainless, and brass

Magnetic Level Indicators
These indicators provide visual monitoring of the level changes thanks to the level indicator by-passed to the tank.
Connection: Flanged threaded G1/2"- 3/4"-1"
Flanged DN 15-DN 20-25
Body Material: Stainless Steel

Vacuum Breaker
Body and Cap: Brass or Stainless Steel
Internal Parts: AISI 3044 Stainless Steel
Connections: Threaded
Nominal Diameter: DN 15 (1/2")

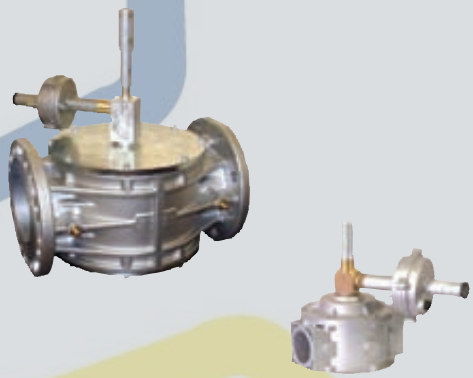
Boiler Blowdown Valve
Blowdown is the process of discharging a certain portion of boiler feed in order to reduce dissolved or suspended solid matter amount with increased concentration occurring as a result of vaporizing in the boiler feed down to the pre-determined limits in the boiler.
Connection: DN 40 Flange
Body Material: Stainless Steel
Fluids it is used for: Steam, Hot and Steaming Water

Safety Valves
These are valve mechanisms that automatically release gas when reached the pressure limit or temperature determined in steam boiler, pressure tank, and other systems.
Connection: Threaded or Flanged
Nominal Diameters: Up to DN 15*DN 100
Body Material: GG 25 Ductile Cast and GGG 40 Ductile Cast Iron

NATURAL GAS FITTINGS

NATURAL GAS SELENOID VALVES

SHUT-OFF SAFETY VALVES



NATURAL GAS FILTERS

NATURAL GAS FILTER REGULATORS

GAS PRESSURESTATS

NATURAL GAS METERS

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GENERAL PURPOSE MANOMETERS

ELECTRIC CONTACT MANOMETERS

GLYCERIN FILLED MANOMETERS

BI-METAL THERMOMETERS

LIQUID FILLED THERMOMETERS

MERCURY FILLED THERMOMETERS

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BUTTERFLY VALVES with MONITORING KEY

SPRINKLER

K-Factor: 40.3 (2.8), 57 (4.2), 80 (5.6), 115 (8.0)
Temperature Sensor: 5 mm Glass Bulb
Connection Diameter: ½"NPT – ¾"NPT- 1" NPT
Temperature: 57°C, 68°C, 79°C, 93°C, 141°C, 182°C
Surface: Brass, Chrome, White, Black

Pressure Class: 175~250 psi
Hazard Class: Mild, medium and high hazard
Assembly Type: Parallel to floor or roof pitch
Approvals: FM, UL, ULC, VdS, CE

FLUSH TYPE

SIDEWALL TYPE

PENDANT TYPE

UPRIGHT TYPE

HIDDEN TYPE

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BUTTERFLY VALVES with MONITORING KEY

UL/FM Approved
These are essential to the automatic sprinkler system.
They turn the water pass on or off.
They automatically signal in the off position and notify that they are off.
Nominal Diameters: 11/2"-8"

Wafer Type

Screwed Type

Threaded Type

GATE VALVES with or without RISING STEM

UL/FM Approved
These are essential to the automatic sprinkler system.
They are used in suction and force collectors of the pump.
They notify the position optionally in the off mode.
Nominal Diameters: 21/2"-12"

Wall Type Indicator

Vertical Indicator

Gate Valve without Rising Stem

Gate Valve with Rising Stem

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ALARM VALVES

UL/FM Approved
These act as checkvalves and indicate sub and gauge pressures.
In the event of sprinkler stepping in, they warn the area audibly through a motor gong.
They notify water pass if connected to an automation system.
Nominal Diameters: 21/2"-8"

Wet Alarm Valve

Dry Alarm Valve

Pre-action Alarm Valve

Deluge Alarm Valve

TEST DRAINAGE VALVES

UL/FM Approved
These provide testing the system as well as drainage in the system.

FIRE DEPARTMENT CONNECTION VALVES

UL/FM Approved
These are water inlet valves for fire department.
In the event of shortage reserve or pumps being disabled, these are used for fire department to connect and obtain water.
One Storz Kaplin, cap and chain.
Nominal Diameters: 21/2" NPT Threaded (fire department connection valve)
4x21/2x21/2 NPT Threaded (siamese connection)

Siamese connection

TSE Type

UL/FM Type

MONITORING KEY AND FLOW SWITCH

UL/FM Approved.
These are a part of automatic sprinkler system and notify the automation room about water pass in the event of sprinkler system start operating.
Nominal Diameters: 21/2"-8"

OS&Y Gate Valve Monitoring Key

Flow Switch

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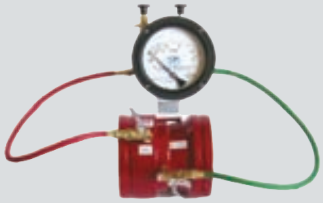
RELIEF VALVES

UL/FM Approved
These are used for balancing the pressure during fire.
Nominal Diameters: 21/2"-8"

FLOW METERS



UL/FM Approved
These are used to gauge flow during fire.
Nominal Diameters: 21/2"-8"

PRESSURE REDUCERS

UL/FM Approved
These are used to reduce excessive pressure during fire.
Nominal Diameters: 21/2"-8"

CHECKVALVES

UL/FM Approved
These are used to prevent backrush in the fire equipment.
Nominal Diameters: 21/2"-8"

STRAINERS

STRAINERS
UL/FM Approved
These are used to filter the water in order to prevent damage on systems in fire equipment.
Nominal Diameters: 21/2"-8"

SCREWED COUPLINGS

UL/FM Approved
These are used for the connection of screwed systems in fire equipment.
Nominal Diameters: 1"-10"

FIRE PUMPS

UL/FM Approved
They have a flow rate capacity of up to 1,500 GPM

SNT Type Centrifugal Pump

DN: From 32mm up to 250mm
Q: Up to 1,700m³/h
Hm: Up to 100m
n: Up to 2,900rpm
t: From -10°C up to +140°C
p: 10bar (16bar)

SNL Type In - Line Pump

DN: From 40mm up to 250mm
Q: Up to 500m³/h
Hm: Up to 95m
n: Up to 2,900rpm
t: From -10°C up to +110°C
p: 10bar (16bar)

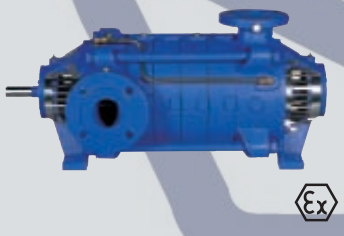
SKY Type Hot Oil Pump

DN: From 32mm up to 150mm
Q: Up to 500m³/h
Hm: Up to 95m
n: Up to 2,900rpm
t: Up to 320°C
p: 16bar

SDS Type Double Suction Pump

DN: From 65mm up to 400mm
Q: Up to 3,500m³/h
Hm: Up to 180m
n: Up to 2,900rpm
t: From -20°C up to +80°C
p: 16bar (25bar)

SKM Type Multistage Pump



DN: From 32mm up to 250mm
Q: Up to 1,000m³/h
Hm: Up to 400m
n: Up to 2,900rpm
t: From -10°C up to +110°C (140°C)
p: 30 bar (50bar)

SKM-V Type Vertical Multistage Pump

DN: From 32mm up to 65mm
Q: Up to 95m³/h
Hm: Up to 120m
n: Up to 2,900rpm
t: From -5°C up to +110°C
p: 16bar

C Type Submersible Sewage Pump

DN: From 50mm up to 300mm
Q: Up to 1,600m^3/h
Hm: Up to 95m
n: Up to 2,900rpm
t: Up to 40°C
p: Up to 10bar

PC Type Centrifugal Sewage Pump

DN: From 40mm up to 300mm
Q: Up to 1,600m^3/h
Hm: Up to 95m
n: Up to 2,900rpm
t: Up to 110°C
p: 10bar (16bar)

SBM Type Booster Set

Q: Up to 15m^3/h
Hm: Up to 100m
n: Up to 2,900rpm
t: Up to 60°C
p: Up to 16bar

SBT-V Type Booster Set

Q: From 5 m^3/h up to 1200m^3/h
Hm: From 30m up to 300m
n: Up to 2,900rpm
t: Up to 60°C
p: Up to 40bar

SKM-V Type Booster Set

Q: Up to 1,000m^3/h
Hm: Up to 300m
n: Up to 2,900rpm
t: Up to 60°C
p: Up to 40bar

SB Type Vertical Centrifugal Pump

D: R1" and R1(1/2")
Q: Up to 15m^3/h
Hm: Up to 120m
n: Up to 2,900rpm
t: Up to 60°C
p: 10bar-16bar

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EXPANSION TANKS

WITH FREQUENCY INVERTER PUMPS AND BOOSTERS

NFPA Certified Fire Pumps

UL/FM Certified Fire Pumps

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PACKAGE BOOSTER PUMPS

STRUCTURE TYPE
Water supply system with high efficiency, ready for connection (with normal suction).
2 to 6 parallel-connected high-pressure centrifugal pumps with stainless steel wet rotor on vertical surface, including Comfort-Controller CC (with or without frequency converter).

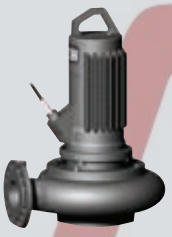
Application Area
Water supply and pressure converter and pressure boosting applications in dwelling-houses, offices and administrative buildings, hotels, hospitals, shopping centers and industrial systems.
Used for pumping drinking water, service water, cooling water, fire extinguishing water (excepting fire extinguishing systems conforming to DIN 14462 norm) or other service waters which have neither chemical, nor mechanical effect on the materials used for the pump and which do not involve corrosives or long lifts. Qmax: 80 m3/h Hmax: 160 m

CIRCULATION PUMPS

STRUCTURE TYPE
Circulation pump with coupling or flange connection and wet rotor.

Application Area
Hot water heating installation of all systems, industrial type circulation systems, air conditioning systems, and closed circuit cooling systems.
Qmax: 76 m3/h **Hmax:** 19 m

WASTE WATER AND DRAINAGE PUMPS



Structure Type
Waste water pump with submersible motor

Application Area
Site drainage, water conservation, and domestic water intake for pumping waste water with solid content from waste treatment facilities and pump stations.
Construction and industrial uses
Qmax: 380 m3/h **Hmax:** 51 m

INLINE CIRCULATION PUMPS

Structure Type
Inline type dry rotor pump with coupling or flange connection

Application Area
Heating Water (complies with VDI 2035), heating with water-glycol mixtures, pumping of cooling and cold water that do not contain corrosive substances found in cold and cooling water systems.
Qmax: 195 m3/h **Hmax:** 52 m

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CGB SERIES FULL CONDENSING BOILER

- Heating modulation range (at 50/30°C)
- 395kW capacity with 4 boilers with cascade connection
- High standard efficiency up to 110% for the highest possible energy economy.
- Suitable for natural gas and propane use.
- Fixed installation, operation, and maintenance thanks to easy access to all parts.

Type	CGB-75	CGB-100
Nominal heat power (80/60°C) kW	70.1	91.9
Nominal heat power (50/30°C) kW	75.8	98.8
Nominal heat load kW	71.5	94
Lowest nominal heat power (modulation at 80/60°C)kW	18.2	18.2
Lowest nominal heat power (modulation at 50/30°C)kW	19.6	19.6
Lowest heat load (modulation) kW	18.5	18.5
Modulation range %	26-100	20-100
Output (According to TS EN 15418, 50/30°C)	106.4	109.0
Output (According to TS EN 15418, 80/60°C)	98.2	99.3
Heating water outlet inch	11/2"	11/2"
Heating water inlet inch	11/2"	11/2"
Condensation water outlet inch	1"	1"
Gas connection inch	3/4"	3/4"
Waste gas/ Fresh air pipe mm	100/160	110/160
Device dimensions (HxWxD)mm	1020x565x548	1020x565x548

PANEL RADIATORS

Alarko panel radiators allows for selecting radiators according to the heating needs of the environment with its dimensions most suitable for architectural and decorative design thanks to its models manufactured at 5 different heights ranging between 300 and 900mm, at 21 different lengths (with increasing lengths in 100mm intervals in 400-1800mm sizes). As standard, they are painted white (RAL 9010). For bulk orders, painting in desired colours may be possible.

TYPE	DIMENSIONS		WEIGHT (kg/m)	WATER VOLUME (Lt/m)
	HEIGHT (H)	A		
TYPE 21 PKP	300	245	13,6	3,6
	400	345	18,2	4,2
	500	445	23,2	5
	600	545	28	5,6
	900	845	42,5	8
TYPE 22 PKKP	300	2445	16,2	3,6
	400	345	21,1	4,2
	500	445	25,7	5
	600	545	31,4	5,6
	900	845	46,9	8
TYPE 33 PKKPKP	300	245	22,8	5,4
	400	345	30,6	6,3
	500	445	40,1	7,5
	600	545	48,3	8,4
	900	845	74,3	12

2-PASS LIQUID AND GAS FUEL STEEL BOILERS

3-PASS LIQUID AND GAS FUEL STEEL BOILERS

LIQUID AND GAS FUEL CAST BOILERS

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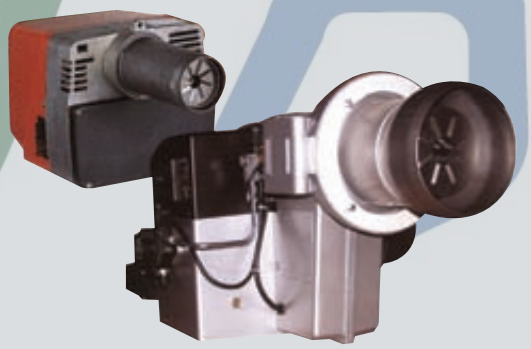
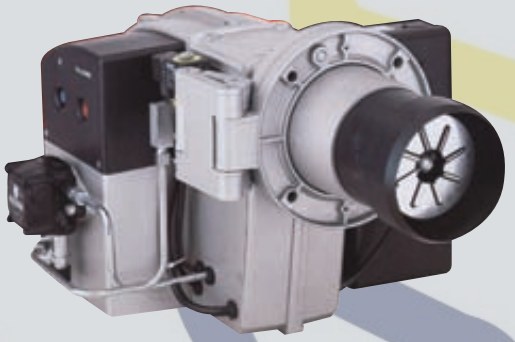
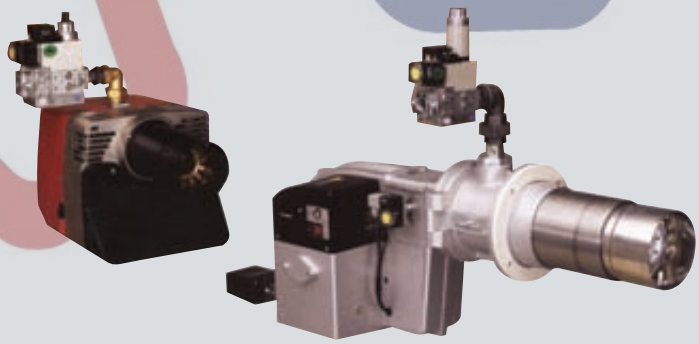
LIQUID FUEL BURNERS FOR DIESEL FUEL AND LIGHT OILS



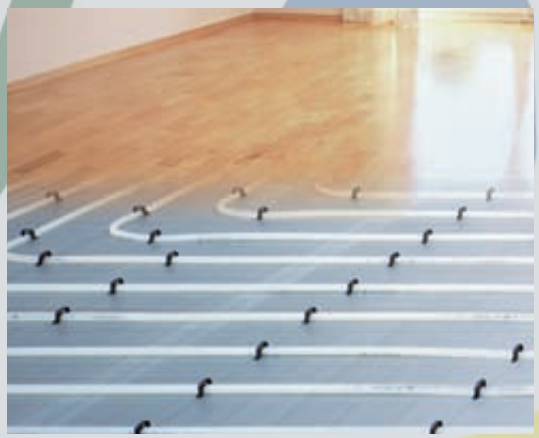
LIQUID FUEL BURNERS FOR DIESEL FUEL AND LIGHT, MEDIUM HEAVY AND HEAVY OILS



GAS FUEL BURNERS FOR NATURAL GAS AND LPG



FLOOR HEATING



PLASTIC PIPE

COLLECTORS

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THREE PASS LIQUID AND GAS FUEL STEEL BOILERS

Capacity Range: 80-5,000kW
Max. Operating Temperature: 100°C
Max. Operating Pressure: 8bar

SOLID FUEL BOILERS

Capacity Range: 93-698kW
Max. Operating Temperature:100°C
Max. Operating Pressure: 4bar

WALL TYPE CONDENSING BOILERS

Capacity Range: 80-125kW
Operating Range: 20-100°C
Max. Operating Pressure: 8bar
Output: 109%
Cascade connection is possible.

PACKAGE STEAM BOILERS

Capacity Range: 100-5,000kW
Operating Range: 20-200°C
Max. Operating Pressure: 8bar

BOILERS (UNIGAS)

Capacity Range: 25-10,000kW
Fuel Types: Gas, Diesel, Fuel-Oil or dual fuel

PLATE EXCHANGERS

Independent and housing estates, campuses and recreational facilities, health, education, and sports complexes, cultural and art centres, tourism and accommodation facilities, office, workplace, and commercial buildings, public structures and facilities, metal manufacturing and processing facilities, chemical and pharmaceutical manufacturing facilities, refineries and petrochemistry plants, paper and plastic production facilities, drink production facilities, food production facilities, energy plants
Capacity Ranges: 10-12,000kw
Fluid Type: Hot, cold, super-heated water, salt water, chemical fluids etc.
Temperature Inputs: 90/70-10/60 – 140/110 C
Body Material: AISI 304, AISI 316 GG 25, GGG40
Plate Material: AISI 304, AISI 320
Gasket Material: NBR, EPDM, VITON

ACCUMULATION TANKS

Technical Specifications:
Capacity ranging between 100lt to 5,000lt
Surfaces in contact with water from 100lt up to 5,000lt are hygienic due to dual enamel coating.
Polyurethane insulation with 50mm thickness from 100lt up to 600lt. Special foam insulation from 800lt up to 3,000lt
Electrostatic powder pain cover over galvanized sheet from 100lt up to 600lt
Special winlex cover from 800lt up to 3,000lt
Cathodic anode protection from 100lt up to 3,000lt
High output,
Aesthetic appearance
10 Bar Operating Pressure
Capacity: 100-5,000lt
Coating: Epoxy paint, polyurethane coating
Electricity Power: Between 1 and 30kW
Heat Capacity: Between 20 and 90C
Control Type: Adjustable and fixed, digital and mechanical heat thermostat

SINGLE AND DUAL COIL BOILERS

Technical Specifications:
Capacity ranging between 100lt to 5,000lt
Surfaces in contact with water from 100lt up to 5,000lt are hygienic due to dual enamel coating.
Polyurethane insulation with 50mm thickness from 100lt up to 600lt.
Special winlex cover from 800lt up to 3,000lt
Cathodic Anode Protection
High Output,
Optional electric resistance,
Aesthetic appearance, 10bar operating pressure

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TOSHIBA VRF SYSTEMS

EXTERNAL UNITS

Dc Twin Rotary Compressor
Fast vector controlled inverter calculus.
Thanks to systems with complete inverter, power is generated as needed by the system.
Not only the momentary but also annual efficiency rate is also high.
Infinite capacity control provides the rotational speed of the compressor the adjustment in 0.1Hz phases. Therefore, momentary capacity needs are met in a quite sensitive manner.
Ease of design with flexible piping.
Very low sound levels.

INTERNAL UNITS

4-way Cassette Type Internal Unit Standard 90x90
2.8 - 16.0 kW (10 Models)
Washable filter with long life
Drainage Pump (650mm)
Rotating air flaps (Separate / Rotation)

4-way Cassette Type Compact Internal Unit 60x60
2.2 - 5.6 kW (5 Models)
Washable filter with long life
Drainage Pump (450mm)
Rotating air flaps (Rotation)

2-way Cassette Type Internal Unit
2.2 - 16 kW (11 Models)
Washable filter with long life
Rotating air flaps
Drainage Pump (500mm))

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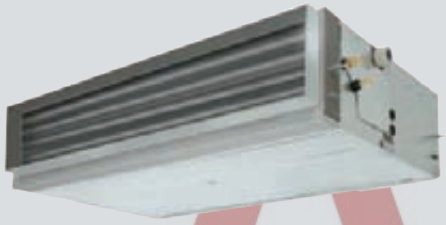
One-way Cassette Type Internal Unit
2.2 - 7.1 kW (6 models)
Washable filter with long life
Rotating air flaps
Drainage Pump (250mm)

Channel Type High Static Pressure Internal Unit
5.6 - 28 kW (7 Models)
Drainage pump - optional



Channel Type Standard Internal Unit
2.2 - 16 kW (11 Models)
Washable filter with long life
Drainage Pump (250mm)
Fan speeds can be easily adjusted depending on channel design.

Thin Channel Type Internal Unit
2.2 - 8.0 kW (7 Models)
Washable filter with long life (maybe used in rear chamber)
Drainage Pump (250mm)
Compact design

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Ceiling Type Internal Unit
4.5 - 16.0 kW (7 models)
Washable filter
Rotating air flap
Optional drainage pump (250mm)

Wall Type Internal Unit
Compact, Standard Wall Type Internal Unit
2.2 - 7.1 kW (6 models)
Washable filter with long life
Rotating air flap

Cabinet Floor Type Internal Unit
2.2 - 7.1 kW (6 models)
Washable filter with long life
Manual flap
Front blow

Floor Type Internal Unit without Cabinet
2.2 - 7.1 kW (6 models)
Washable filter with long life
Above or front blow
Decorative design panels may be installed in the front.

Room Type Internal Unit
4.5 - 16.0 kW (7 models)
Washable filter with long life
Adjustable air direction vertical/horizontal
Automatic air flap
Section for local control
Suitable for server room applications

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AIR CONDITIONING UNITS

CAPACITY RANGES: 1,000 M3/H-125,000 M3/H
TYPES: PLATED HEAT RECOVERY; RUNAROUND WITH ROTOR
SHEET THICKNESS: 0.8MM-1.25MM
PROFILE THICKNESS: 50-60MM

COOLING GROUPS

CAPACITY RANGE: 30-1700KW
TYPES: AIR-COOLED SCREW COMPRESSOR, SCROLL COMPRESSOR, WATER-COOLED

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CENTRIFUGAL COOLING GROUPS

CAPACITY RANGE: 1,000-3,750KW
TYPES: CENTRIFUGAL TYPE

FAN-COIL UNIT

TYPE: HIDDEN CEILING (MKT), CASSETTE FLOOR, FLOOR WITHOUT CASSETTE, 4-WAY BLOW CASSETTE
CONNECTION: TWO PIPE AND FOUR PIPE

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COOLING TOWER

CAPACITY RANGE: 250-5,000KW
TYPE: ON-OFF

PRECISION AIR CONDITIONER

CAPACITY RANGE: 5-2000 KW

ROOFTOP TYPE AIR CONDITIONER

CAPACITY RANGE: 30-120KW HEATING-COOLING
FLOW: 7,200-24,000 M3/H

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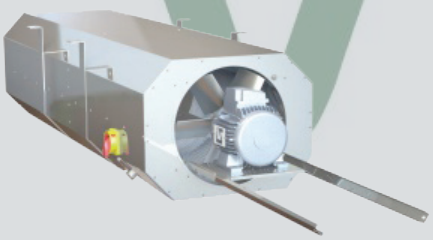
AIR-JF SERIES AXIAL TYPE JET FANS



- Axial type jet fans
- Elliptic wing profiles allowing for two-way blow without any loss of output
- Fan body with embedded mufflers
- Slide motor connection
- Ø 315-355-400-500mm diameter range
- 300°C/2 hours fire resistance complying with EN 12101-3
- Galvanized sheet body, aluminium cast fan wings
- Dynamic balancing complying with ISO 1940/1-1986
- 2 pole and 2/4 pole two stroke engine options
- Class H isolation
- IP55 protection class
- High temperature resistant terminal box coupled over fan
- Protective wire cage and adjustable guide

AIR-A SERIES AXIAL TYPE FRESH AIR FANS

- AIR-A SERIES AXIAL TYPE FRESH AIR FANS
- Dimension range in 400-1250mm diameter
- Galvanized sheet body
- Aluminium cast fan wings (alternative ABS material wings)
- Dynamic balancing complying with ISO 1940/1-1986
- Suitable for horizontal and vertical installation
- Adjustable wing angle
- 2/4/6 pole and two stroke engine options
- Class F isolation
- IP55 protection class
- Terminal box coupled over the fan (optional)
- Protective wire cage over outlet (optional)

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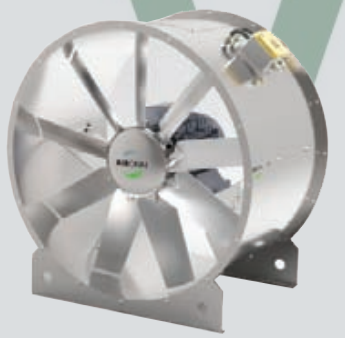
AIR-A SERIES AXIAL TYPE SMOKE EXHAUST FANS



- 300°C/2 hours fire resistance complying with EN 12101-3
- Dimension range in 400-1,250mm diameter
- Hot-dip galvanized sheet body
- Aluminium cast fan wings
- Dynamic balancing complying with ISO 1940/1-1986
- Suitable for horizontal and vertical installation
- Adjustable wing angle
- 2/4/6 pole and two stroke engine options
- Class H isolation
- IP55 protection class
- Terminal box coupled over fan manufactured from aluminium cast material with high temperature resistance and ceramic connector
- Protective wire cage over outlet (optional)

AIR-AC SERIES AXIAL TYPE FRESH AIR FANS

- Dimension range in 400-1,250mm diameter
- Galvanized sheet body
- Noise insulation (glass wool layered) body structure
- Aluminium cast fan wings
- Dynamic balancing complying with ISO 1940/1-1986
- Adjustable wing angle, 2/4/6 pole and two stroke engine options
- Class F isolation
- IP55 protection class
- Terminal box coupled over the fan (optional)

AIR-A SERIES AXIAL TYPE CELL SMOKE EXHAUST FANS

- 300°C/2 hours fire resistance complying with EN 12101-3
- Dimension range in 400-1,250mm diameter
- Galvanized sheet body
- Noise insulation (stone wool layered) body structure
- Aluminium cast fan wings
- Dynamic balancing complying with ISO 1940/1-1986
- Adjustable wing angle
- 2/4/6 pole and two stroke engine options
- Class H isolation
- IP55 protection class
- Terminal box coupled over fan manufactured from aluminium cast material with high temperature resistance and ceramic connector

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AIR-AR SERIES AXIAL ROOF TYPE SMOKE EXHAUST FANS

- 300°C/2 hours fire resistance complying with EN 12101-3
- Dimension range in 400-1,250mm diameter
- Galvanized sheet body
- Noise insulation (stone wool layered) body structure
- Aluminium cast fan wings
- Dynamic balancing complying with ISO 1940/1-1986
- Adjustable wing angle
- 2/4/6 pole and two stroke engine options
- Class H isolation
- IP55 protection class
- Terminal box coupled over fan manufactured from aluminium cast material with high temperature resistance and ceramic connector

AIR-AR SERIES AXIAL ROOF TYPE FRESH AIR FANS

- 300°C/2 hours fire resistance complying with EN 12101-3
- Dimension range in 400-900mm diameter
- Galvanized sheet body
- Horizontal fired mushroom type design
- Aluminium cast fan wings
- Dynamic balancing complying with ISO 1940/1-1986
- Adjustable wing angle
- 2/4/6 pole and two stroke engine options
- Class H isolation
- IP55 protection class
- Terminal box coupled over fan manufactured from aluminium cast material with high temperature resistance and ceramic connector

***AXIAL TYPE FRESH AIR AND SMOKE EXHAUST FANS WITH EMBEDDED MUFFLER TYPES ARE ALSO PRESENT IN OUR PRODUCT RANGE.

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EXHAUST FANS

E - STYLE
Wall and Ceiling Type Axial Exhaust Fans

MINI VITRO
Window Type Axial Exhaust Fans

AxC Serisi
Channel Type Radial Fans

VITRO
Window and Wall Type Axial Fans

MURO and MINISTYLE Wall and Ceiling Type Axial Exhaust Fans

Industrial Type

Roof Type

Cell Channel Type

COOLING VENTILATION

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