

Venues Breathe with DOGU HVAC Systems!

DOGU HVAC founded in 1999, and ever since has been manufacturing energy and cost efficient products as Air Handling Units, Air Distribution & Management & Movement Systems [HVAC Components] and constantly enhancing to provide an integrated solution for well-being. DOGU HVAC's core business products which are subsumed under 6 major groups as Air Handling Units, Rooftop Units, Heat/Energy Recovery Units, Air Purifiers, Air Distribution & Management Products and Kitchen Ventilation Equipments are all produced under the compliance with EU standarts. Particularly AHU and HRU-ER units are entitled under the "FOUR SEASONS" brand name for domestic and foreign markets. DOGU HVAC's, headquarter in Izmir/Turkey, operates in a large-sized plant spread over 2 factories, in total area of 32.000 sqm in which 17.500 sqm indoor space that enables DOGU HVAC manufactures 180 various type of products. Additionally, DOGU HVAC has a powerful sales network with 4 sales offices located in İstanbul, Ankara, Antalya and Adana in Turkey as well as authorized dealers in many other countries for sales and after sales operations. DOGU HVAC has been exporting to more than 55 countries.

Thanks to our "Customer Satisfaction", "Zero-Defect Policy" motto and reinforced by complete certified products, more than 250 employees. DOGU HVAC R&D center developed exclusive products, such as Double Skin Make-Up Kitchen Hood, Recirculated Laminar Airflow Unit, Single Piece Square Ceiling Diffuser and Ecology Units, for the first time have brought to the sector. DOGU HVAC R&D has the ability to make customized production which can meet the requirement of the customers by means of special software such as "ANSYS FLUENT". DOGU HVAC guaranteed its quality of management by having advantages of ISO 9001, ISO 14001, ISO 45001 certifications. Air Handling Units have EUROVENT, TUV Hygiene [in accordance with DIN1946-4, VDI 6022-1, DIN EN 13053 standarts], have TSEK and CE quality certifications. Fire Dampers have EN 1366-2 and EN 13501-3 CE certifications; Smoke Control Dampers have EN 1366-10 and 12101-8 CE certifications; Kitchen Ventilation Products have TSEK and CE quality certifications.



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PRODUCTS

FOUR DKS AIR HANDLING UNIT



- Flow rate range of 2.000 – 100.000 m³/h
- Eurovent certified
- DIN 1946/4 & VDI 6022 hygiene certified
- Steel profile case with D1 - L1 - T3 - TB2
- Thermal bridgless aluminum profile case with D1 - L1 - T2 - TB2
- Easy installation and commissioning
- Plug&Play
- Modbus, BACnet, LonWorks



FOUR ECRH ROOFTOP UNIT

FOUR ECRH 030/045/060/075/095/125/155/180



- Flow rate range of 4.400 – 35.200 m³/h
- Compatible with ECODSIGN ErP 2021 Lot 21
- Operation with 0-100% fresh air
- High seasonal efficiency
- Eco-friendly R32 refrigerant gas.
- Independent dual circuit cooling
- EC plug fan and EC axial fan
- Double skin case [50 mm rock wool insulation]
- Optional rotary type heat exchanger
- Optional thermodynamic heat recovery
- Optional water, electric or natural gas heater
- Optional economizer
- Optional return fan
- Plug&Play
- Modbus, BACnet, LonWorks



FOUR POOL PACKAGE POOL DEHUMIDIFIER UNIT

FOUR POOL-CRF/FOUR POOL-00 30/45/60/80
/100/120/ 160/180/200/250



- Flow rate range of 3.000 – 25.000 m³/h
- Hydrophilic coated plate heat exchanger
- High efficiency AC plug fan
- Double skin case [50 mm rock wool insulation]
- Absolute humidity control
- Mechanical cooling
- Free cooling
- Optional EC plug fans
- Plug&Play
- Modbus, BACnet, LonWorks



FOUR HOME RESIDENTIAL HEAT RECOVERY UNIT

FOUR HOME 27/35/50/65/85



- Flow rate range of 270 – 850 m³/h
- Compliant with ERP 2018 directives
- A+ energy class
- Counterflow plastic heat recovery exchanger
- EC plug fan
- 19 mm rubber insulated case
- Low sound level
- Interchangeable service direction from right or left
- Switchable duct connection from top or front
- By-pass damper [%100]
- Optional CO₂ and humidity sensor
- Optional wireless control
- Optional ISO ePM1 filter
- Optional duct type electric heater
- Optional duct type DX/heating/cooling coil
- Plug&Play
- Modbus



FOUR HOME CEILING RESIDENTIAL HEAT RECOVERY UNIT [CEILING TYPE]

FOUR HOME CEILING 35/50



- Flow rate range of 350 – 500 m³/h
- Compliant with ERP 2018 directives
- A+ energy Class
- Counterflow plastic heat recovery exchanger
- EC plug fan
- 19 mm rubber insulated case
- Low sound level
- Interchangeable service direction from right or left
- By-pass damper [%100]
- Optional CO₂ and humidity sensor
- Optional wireless control
- Optional ISO ePM1 filter
- Optional duct type electric heater
- Optional duct type DX/heating/cooling coil
- Plug&Play
- Modbus



B-FRESH AIR PURIFIER

B-FRESH 05/08/12/20



- 4 different models between 550-2000 m³/h.
- 33.9 dB sound level at minimum speed thanks to 30 mm rock wool insulation.
- High efficiency low sound level EC fans.
- It can be used in areas up to 270 m² such as lobby, meeting room, office, gym, classroom, nursery, market, mosque, public building, hairdressers.
- Adjustable 5 level fan speed.
- Optional D99 dose ozone-free UV-C lamp.
- Plug&Play



GLC / GLD LAMINAR FLOW CEILING SYSTEM



- 100% leakproof guarantee
- AISI 304 quality stainless steel manufacturing
- 99.995% filter efficiency
- Complies with ISO EN 14644, DIN 1946/4, DIN 24194, DIN 25414, ÖNORM H6020, SWKI VA 105-01, HTM 03-01 hygiene standards.



GFP HEPA FILTER BOX



- 100% leakproof guarantee
- DKP sheet or AISI 304 quality stainless steel sheet manufacturing
- Inner surface resistant to disinfection processes.
- HEPA filter with MDF or aluminum frame
- Complies with VDI 6022, VDI 3803, EN 16798, ISO EN 14644, DIN 1946-4, DIN 24194, DIN 25414 hygiene standards.



VGF FIRE AND SMOKE DAMPER



- EI 120 [ve, ho i <-> a] S fire resistance according to EN 13501-3:2005+A1:2009 standard
- CE certificate according to EN 15650:2010 standard
- Easy installation
- Single module production between 200x200 mm and 1300x800 mm dimensions



FOUR RTER ROTARY ENERGY RECOVERY UNIT

FOUR RTER 010/018/025/035/050
/070/090/110/140/200



- Flow rate range of 1.000 – 20.000 m³/h
- Compliant with ERP 2018 directives
- Rotary energy recovery exchanger
- EC plug fan
- ISO ePM10 + ISO ePM1 filter for supply & exhaust
- Switchable duct connection from top or front
- Interchangeable service direction from right or left
- Low sound level
- Double skin case [50 mm rock wool insulation]
- Optional duct type attenuator and damper
- Optional duct type electric heater
- Optional duct type DX/heating/cooling coil
- Plug&Play
- Modbus, BACnet, LonWorks



FOUR FHR COUNTER FLOW HEAT RECOVERY UNIT

FOUR FHR 010/016/025/040/060/085/110/140/170



- Flow rate range of 1.000 – 17.000 m³/h
- Compliant with ERP 2018 directives
- Counterflow aluminum heat recovery exchanger
- EC plug fan
- Low sound level
- By-pass damper [%100]
- ISO ePM10 + ISO ePM1 filter for supply & exhaust
- Double skin case [50 mm rock wool insulation]
- Optional duct type attenuator and damper
- Optional duct type electric heater
- Optional duct type DX/heating/cooling coil
- Plug&Play
- Modbus, BACnet, LonWorks



FOUR FHR-T COUNTER FLOW HEAT RECOVERY UNIT [VERTICAL TYPE]



- Flow rate range of 1.000 – 7.000 m³/h
- Compliant with ERP 2018 directives
- Counterflow aluminum heat recovery exchanger
- Vertical[Top Outlet]
- EC plug fan
- Low sound level
- By-pass damper [%100]
- ISO ePM10 + ISO ePM1 filter for supply & exhaust
- Double skin case [50 mm rock wool insulation]
- Optional duct type attenuator and damper
- Optional duct type electric heater
- Optional duct type DX/heating/cooling coil
- Plug&Play
- Modbus, BACnet, LonWorks



FOUR CFHR COUNTER FLOW HEAT RECOVERY UNIT [CEILING TYPE]

FOUR CFHR/CFHR-S 05/07/10/12
/16/25/28/33/40



- Flow rate range of 500 – 4.000 m³/h
- Compliant with ERP 2018 directives
- Counterflow aluminum heat recovery exchanger [CFHR]
- Crossflow paper energy recovery exchanger [CFHR-S]
- EC plug fan
- Double skin case [30 mm rock wool insulation]
- Low sound level
- By-pass damper [%100]
- Optional CO₂ and humidity sensor
- Optional ISO ePM1 filter
- Optional duct type electric heater
- Optional duct type DX/heating/cooling coil
- Plug&Play
- Modbus



FOUR HPGK HEAT PUMP HEAT RECOVERY UNIT

FOUR HPGK 07/10/15/20/30/40



- Flow rate range of 700 – 4.000 m³/h
- Integrated heat pump system
- Cross flow heat exchanger
- EC / AC plug fan
- ISO Coarse filter
- Optional attenuator and damper
- Optional duct type electric heater
- Optional duct type DX/heating/cooling coil
- Plug&Play
- Modbus



FOUR KITCHEN ECOLGY UNIT

FOUR KITCHEN 021/042/063/084
/105/126/147/168



- Flow rate range of 3.500 – 30.000 m³/h
- Compact design
- Optional stainless steel internal surface
- Cyclone metal filter, greasestop filter, electrostatic filter, activated carbon filter
- Optional V-LUV lamp
- Fan flow control according to filter pollution
- Plug&Play
- Modbus, BACnet, LonWorks



FOUR SMOKE SOOT & GREASE ABATEMENT SYSTEM

FOUR SMOKE 030/050/075/100



- Flow rate range of 3.000 – 10.000 m³/h
- Compact design
- AISI 304 quality stainless steel manufacturing
- Low water consumption
- Low energy consumption
- High efficiency filtration system
- Plug&Play
- Modbus



HWW MAKE-UP AIR HOOD WITH WATER WASH



- AISI 304 quality stainless steel manufacturing
- Up to 95% particle capture ability
- Easy maintenance thanks to the washing system
- 40% lower exhaust flow and operating cost
- Fast and accurate product selection with the selection program



ACA / ACB / ACD VARIABLE / CONSTANT AIR VOLUME UNITS



- Flow adjustment according to comfort needs
- High precision calibration in the VAV-CAV laboratory
- Compliance with VDI 6022, DIN 1946-4, VDI 3803, EN 16798-3 hygiene standards
- Optional acoustic insulation

