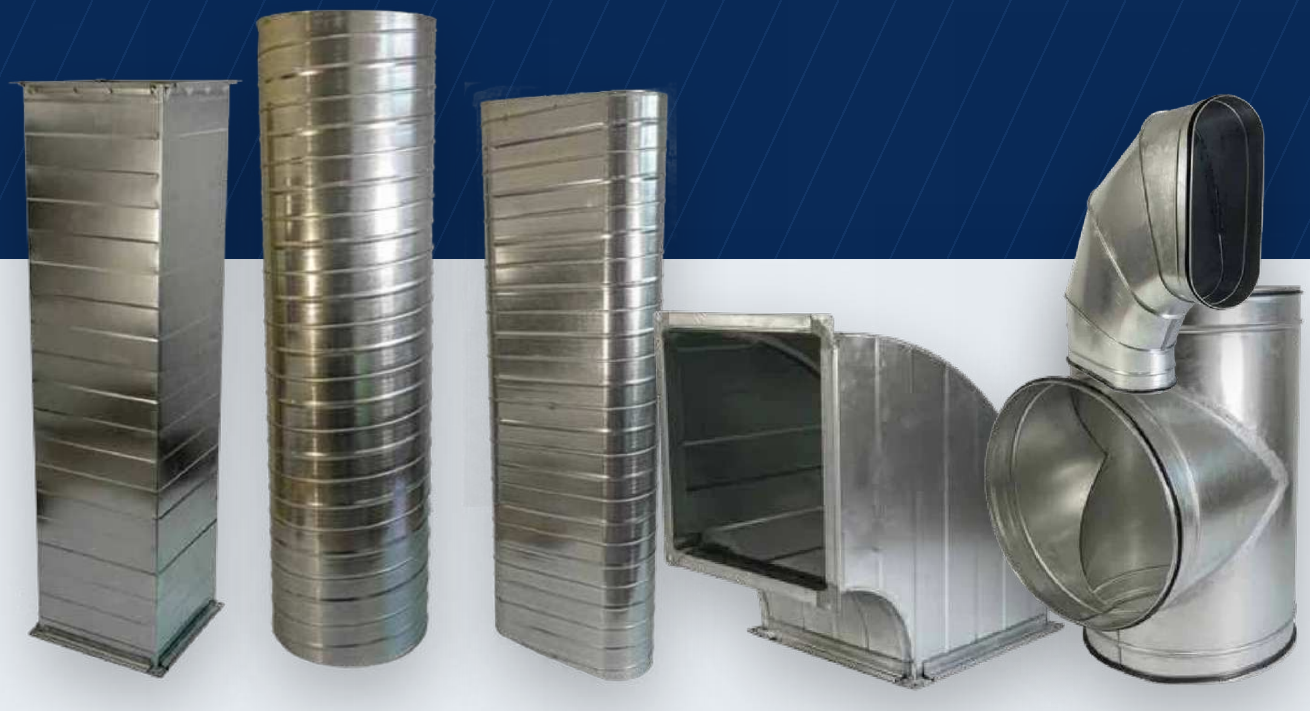
TESKAR
HAVALANDIRMA SİSTEMLERİ

# Clean air runs through us.

Ventilation duct and fittings manufacturer



| 1998 | 5,200 m² | 50,000 m² | ISO · TSE · CE |
|---|---|---|---|
| founded | production area | monthly capacity | |

teskarhavalandirma.com.tr

01

# About us

Honest, high-quality and competitively priced ductwork since 1998.

Founded in 1998 to serve the ventilation industry, our company has always been guided by honesty, quality and fair pricing. These principles have helped us grow into a supplier able to meet every ductwork need.

In our two factories in İkitelli and Sancaktepe, Istanbul, covering 5,200 $m^2$ in total, we manufacture rectangular, spiral, oval, DKP and pre-insulated (PIR/PUR) ducts and their fittings. With a capacity of at least 50,000 $m^2$ a month and ISO, TSE and CE certification, we supply large-scale projects from city hospitals and airports to shopping centres and hotels.

Every step, from cutting to gasket fitting, is done on our own machines, and every duct is checked for dimensions and airtightness before it leaves for site.

**Teskar Havalandırma Sistemleri**

| | |
|---|---|
| Founded | **1998** |
| Production area | **5,200 $m^2$** |
| Monthly capacity | **50,000 $m^2$** |
| Factories | **İkitelli, Sancaktepe** |
| Certificates | **ISO, TSE, CE** |

## Contents



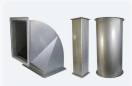

**Rectangular ducts**
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### A reliable, experienced partner

With decades of experience and strong business ethics, we aim for lasting success on every project and build long-term partnerships.

### Quality products, expert team

Our products go through high-standard production processes, and our experienced team checks every detail from survey to installation.

### Customer-focused

Understanding your needs, responding quickly and meeting delivery dates are our priorities.

# 02 Our facilities

## İkitelli factory

**1,650 m²** indoor
**850 m²** outdoor

İOSB Mah. Eski Turgut Özal Cad. Altıntaç İş Merkezi D Blok No:108 Başakşehir / İstanbul

## Sancaktepe factory

**1,500 m²** indoor
**1,200 m²** outdoor

Paşaköy Mah. Paşaköy Cad. No:81/A Sancaktepe / İstanbul

| Standards | Certificates | Materials |
|---|---|---|
| **SMACNA · DW 142-143 · DIN 24-194 · TSE** | **ISO · TSE · CE** | **Galvanised, stainless, black and DKP steel** |

## Our mission

To remain a “reference company”: ethical, focused on customer satisfaction, uncompromising on production quality, aware of our rights and responsibilities, and leading through innovative practice.

## Our vision

- To keep improving and expanding our products and services with modern production techniques, following international technology.
- To achieve total quality management by continually raising quality and efficiency; to lead in Turkey and be among the pioneers in Europe and worldwide.
- To keep our operations in step with the times by adopting new communication and information technologies.
- To produce with robotic systems and zero defects.

03

# Rectangular ducts

Self-flanged and slip-on flanged rectangular ducts, CNC-cut from galvanised and stainless steel sheet to your project dimensions.

## Self-flanged rectangular duct

The flange is formed from the duct's own sheet. Parts are made to fit each other, minimising leakage at flanges and corners; after production, mastic sealing makes the joints fully airtight.

## Slip-on flanged rectangular duct

Profile flanges are fitted onto the duct. Made to the same standards in galvanised or stainless steel, and can be supplied painted and insulated.

## Specifications

| | |
|---|---|
| Standards | SMACNA, DW 142-143, DIN 24-194, TSE |
| Sheet thickness | 0.50 mm – 1.20 mm |
| Material | Galvanised and stainless steel |
| Size | Any size, made to project |
| Paint | Any colour code on request |
| Insulation | Internal / external rubber or acoustic |
| Sealing | Fully sealed with mastic at flanges and corners |

## Ducts and fittings



**Duct**



**Elbow**



**Elbow collector**



**Reducer**



**Offset**



**Square-to-round transition**



**Diffuser plenum box**

04

# Circular spiral duct

All our spiral ducts are made on original SENTE duct machines and carry the registered TESKAR HAVALANDIRMA trademark.

## Spiral duct and fittings

Fittings such as elbows, reducers, tees and Y-branches are made on the same line as the ducts for a perfect fit. Double-wall (insulated) ducts and elbows are also available.

### Specifications

| | |
|---|---|
| Production | Original SENTE spiral duct machines |
| Brand | Stamped with the registered TESKAR mark |
| Options | Single-wall, double-wall (insulated), stainless |
| Fittings | Elbow, reducer, tee, cross tee, damper, coupling, spigot, jet cap |

## Ducts and fittings



Duct



Elbow



Tee



45° cross tee



Reducer



Offset



Damper



Coupling



Spigot



Jet cap



Double-wall duct



Double-wall elbow 90°

05

# Oval duct

An ideal, neat solution where ceiling voids are shallow and headroom is limited.

## Why oval duct

Its near-circular section gives more laminar airflow and lower pressure loss. Airtightness class C.

## Specifications

| | |
|---|---|
| Standards | SMACNA, DW 142-143, DIN 24-194, TSE |
| Airtightness | Class C |
| Airflow | Laminar flow, low pressure loss |
| Material | Galvanised and stainless steel |
| Paint | Any colour code on request |
| Insulation | Internal / external rubber or acoustic |

## Ducts and fittings



Duct



Vertical elbow



Horizontal elbow



Tee



45° tee



Collector



Reducer



Offset



Oval-to-round transition



Square-to-oval transition



Damper



End cap

06

# Circular / rectangular DKP duct

Heavy-gauge welded ducts in black or cold-rolled (DKP) steel, for smoke extraction, kitchen exhaust and high-temperature lines.

## Flanged construction

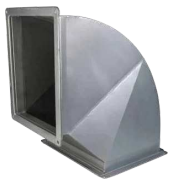
Flanges bent from flat bar are welded to both ends, and evenly spaced holes are drilled so the ducts bolt together. Inner and outer surfaces are coated with a special zinc paint resistant to 250 °C.

## Specifications

| | |
|---|---|
| Material | Black steel / DKP steel |
| Sheet thickness | 1 mm – 3 mm |
| Construction | Welded |
| Standard length | 1200 mm |
| Connection | Flanged, socketed or plain |
| Paint | Zinc paint resistant to 250 °C |



**Rectangular duct**



**Reducing elbow**



**Rectangular reducer**



**Square-to-round transition**



**Circular duct**



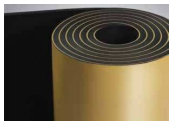
**Circular elbow**

## Accessories

We supply everything needed for duct installation from a single source, including fans, hangers and fixings.



**Glass wool insulation**



**Rubber insulation**



**Acoustic insulation**



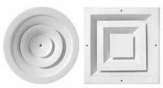
**Flexible duct**



**Insulated flexible duct**



**Air damper**



**Diffuser**



**Flange**



**Flange corner**



**Flange clip**



**Neoprene gasket**



**Foil tape**

# 07 Pre-insulated duct

Polyurethane pre-insulated ventilation duct, made to your project and supplied by us.

## Self-insulated, lightweight duct

Pre-insulated duct is made from panels with a polyurethane foam core and aluminium on both faces. Since the insulation is built in, no extra lagging is needed. It is far lighter than sheet metal duct, which reduces hanger and installation work.

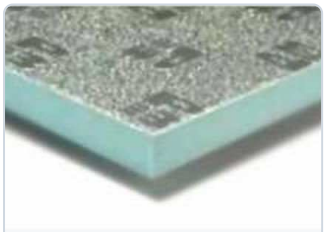
## Made to project, supplied by us

Panels are cut to size, folded, and bonded at the joints for an airtight seal. We produce straight duct and all fittings ready to install in our factory and deliver them to your site.

## Specifications

| | |
|---|---|
| Panel | Polyurethane foam core, aluminium foil on both faces |
| Section | Rectangular, any size to project |
| Fittings | Elbows, reducers, tees and Y-branches |
| Insulation | Self-insulated, no extra insulation needed |
| Joints | Profiles and flanges, sealed with adhesive |
| Applications | Hospitals, hotels, malls, offices, industry |
| Certification | Produced under ISO 9001 · 14001 · 45001 |

## Production steps



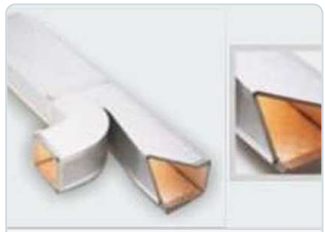
01 Panel



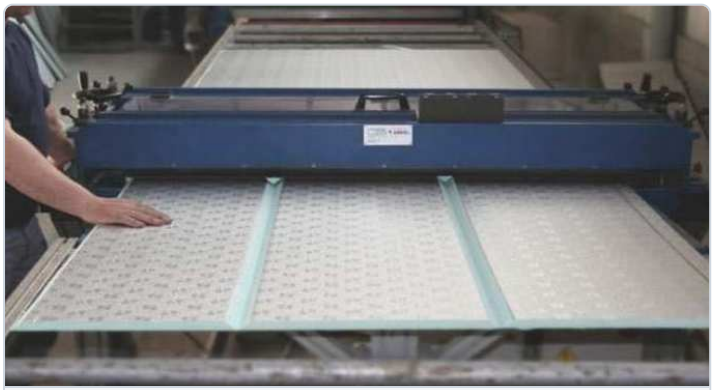
02 Cutting



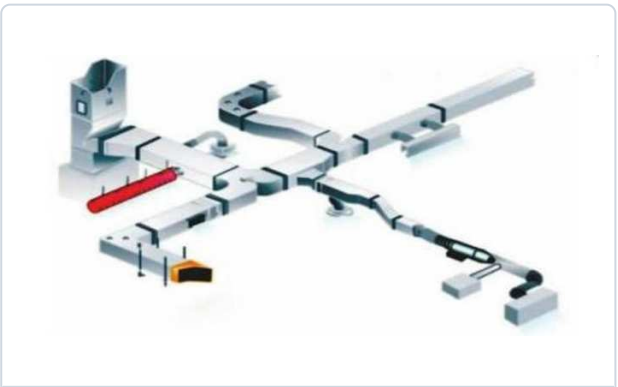
03 Bonding



04 Ready-to-install duct



Pre-insulated panel processing line



Example distribution network in pre-insulated duct

# 08 Automatic self-flanged duct line

One line that does the work of the duct, seam and flange machines has sped up our production.



## Production flow

1 **Coil feed** → 2 **Straightening** → 3 **Notching** → 4 **Flange & seam** → 5 **Folding** → 6 **Duct**

This line produces self-flanged rectangular duct automatically under PLC control. Each station can also be run separately from the control panel, so standard slip-on flanged duct can be made as well.

Because it does the work of the duct, seam and flange machines on its own, the line saves time and labour, enables series production and minimises operator error. Coil goes in, finished duct comes out, with no manual handling or waiting in between.

### Units on the line

- Decoiler (optional)
- Rectangular duct machine
- Seam forming unit
- Flange forming unit
- Folding unit
- Transfer unit

09

# Our machinery

From cutting to gasket fitting, every step is done on our own machines in İkitelli and Sancaktepe.



### Plasma cutter

CNC-cuts sheet metal to size.



### Rectangular duct machine

Levels and cuts coil sheet and forms rectangular duct parts.



### 2 mm DKP duct machine

Makes heavy-gauge duct from DKP sheet up to 2 mm.



### Spiral duct machine

Winds continuous spiral duct from galvanised strip.



### Oval duct machine

Reshapes spiral duct into an oval section.



### Rolling machine

Rolls sheet for oval and circular parts.



### Elbow closing machine

Joins elbow segments airtight.



### Seam forming machine

Forms joining seams on duct edges.



### Gasket fitting machine

Fits rubber gaskets to the ends of circular parts.



### Spot welding machine

Joins sheet parts by spot welding.



### Beading machine

Rolls the edges of ducts and fittings.

# 10 Ongoing projects

Projects we are currently producing ductwork for.



## Sancaktepe City Hospital

Ongoing Healthcare, Istanbul



## Ankara Medipol Hospital

Ongoing Healthcare, Ankara



## Ankara Turkish Armed Forces Building

Ongoing Public, Ankara



## Ankara Courthouse

Ongoing Public, Ankara

**Other ongoing work** Florya Hangar Building · Yapı Kredi Galataport · TENMAK Nuclear Energy Building

# 11 Completed projects

From city hospitals to airports, factories to hotels: 74 projects across 11 sectors where we have completed the ductwork.

## Healthcare 19

Başakşehir Çam and Sakura City Hospital
Sakarya City Hospital
Ordu City Hospital
Trabzon City Hospital
Gaziantep City Hospital
Tekirdağ City Hospital
Prof. Dr. Murat Dilmener Emergency Hospital
TRNC Emergency Hospital
Bezmialem Vakıf University Hospital
Ağrı Şifa Hospital
Morfoloji Hospital (Tokat)
Maternity Hospital (Baku)
Dr. Sadi Konuk Hospital
Tekden Hospital
Türkiye Hospital
Avcılar Hospital
Çapa Oncology
Kaş Medical Centre
Turkish Red Crescent Blood Centre

## Hotels 14

Cyprus Les Ambassadeurs Casino Hotel
İzmir Hyatt Hotel
Sakarya Elite World Hotel
Bolu Hilton Hotel
Hilton Hotel
Bolu Nervan Thermal Hotel
Mandarin Hotel
Bosphorus Hotel
Magic Life Hotel
Gönen Hotel
AC Hotel
Avantgarde Hotel
Büyük Hanlı Hotel
Divan Talya

## Transport 6

TRNC Ercan New Airport
Sirte Airport (Libya)
Yenisahra Metro Station
Kazım Karabekir Metro Station
60. Yıl Station
CSS Ticket Station

## Education 7

İstanbul Kent University, Kağıthane
Beykent University, Hadımköy Campus
Beykent University, Esenyurt Campus
Fatih Sultan Mehmet Vakıf University
ITU School of Foreign Languages
Işık University
İTO Başakşehir Girls' Religious High School

## Industry 8

Roketsan
Kırklareli Perfektüp Packaging Plant
Bychem
KRON Bicycles
Eyfel Perfume Factory
Bika Automotive
SsangYong
İstikbal Warehouse

## Residential 6

Bosphorus City
Ramspark Haliç City
Maslak Koru
Koru Florya Residences
Villa Optimum
Hadımköy Baykar Staff Housing

## Office & mixed use 7

Finanskent
Dream Games
Tersane Haliç
Vizyon Park
QNB Bank Ankara
Türk Telekom
Yeşil Dağ Business Centre

## Public 2

Courthouse (Erbil)
Tuzla Municipality Annex

## Shopping centres 2

Vialand Shopping and Leisure Centre
Arena Mega Halkalı

## Sports 1

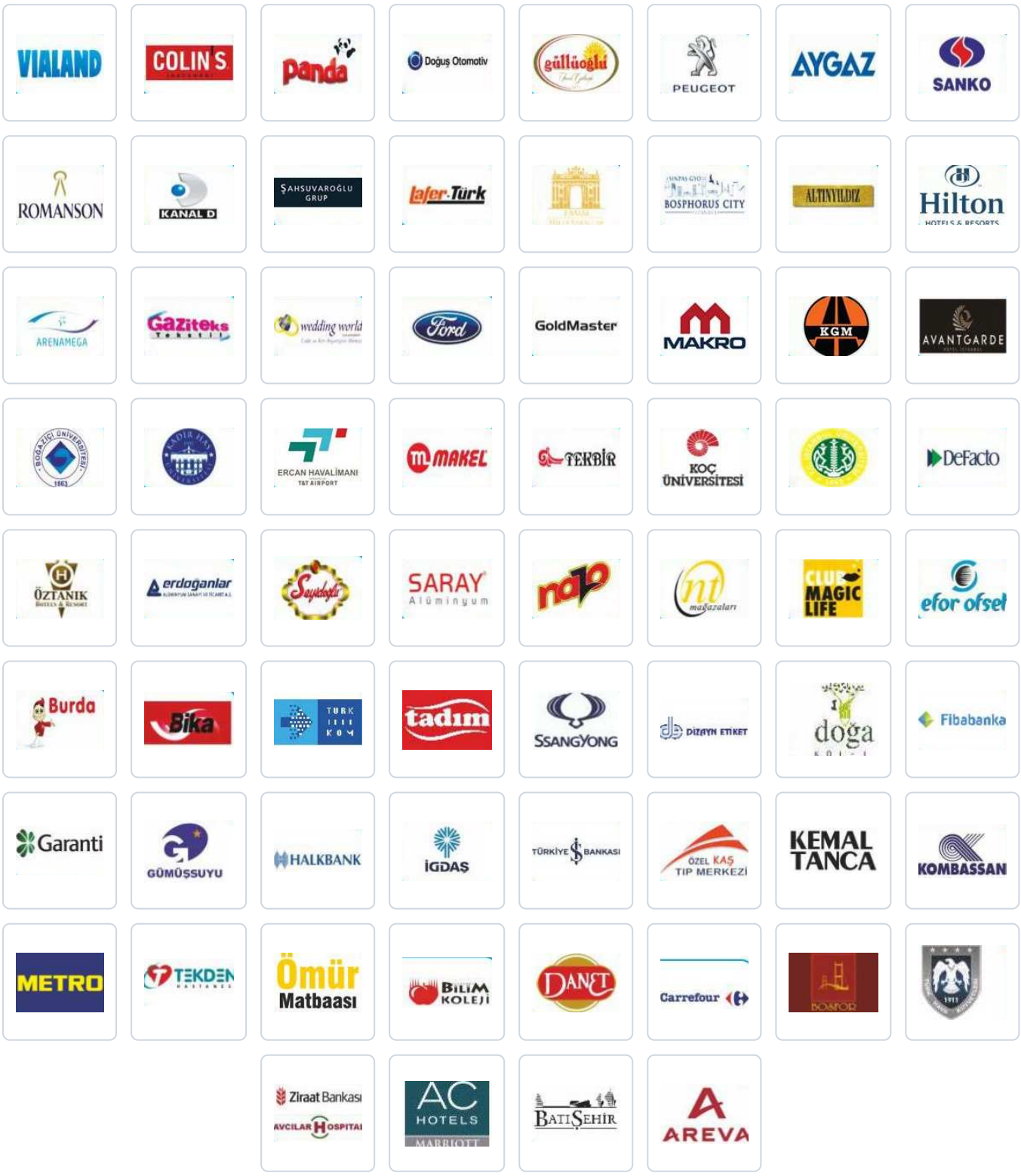
Abdi İpekçi Sports Complex

## Other 2

Tem 34 Esenyurt 1
Ankara McFly

# 12 References

From hospitals to banks, hotels to factories: some of the organisations and brands we have made ductwork for.



13

# Certificates

Our products carry TSE and CE certification; our production is certified to ISO 9001, 14001 and 45001.


TÜRK STANDARDLARI ENSTİTÜSÜ
TÜRK STANDARDLARINA UYGUNLUK BELGESİ
TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS

### TSE certificate of conformity

Circular sheet metal air ducts
TS EN 1506 · TS EN 12237

No: 0451181-TSE-01/01
Valid until: 11.07.2027


TÜRK STANDARDLARI ENSTİTÜSÜ
TÜRK STANDARDLARINA UYGUNLUK BELGESİ
TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS

### TSE certificate of conformity

Rectangular sheet metal air ducts
TS EN 1507 · TS EN 1505

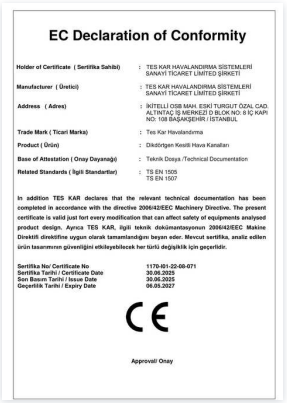
No: 0451181-TSE-02/01
Valid until: 11.07.2027


EC Declaration of Conformity

### EC declaration of conformity

Circular sheet metal air ducts
TS EN 1506 · TS EN 12237

No: 1170-I01-22-08-070
Valid until: 30.06.2027


EC Declaration of Conformity

### EC declaration of conformity

Rectangular air ducts
TS EN 1505 · TS EN 1507

No: 1170-I01-22-08-071
Valid until: 06.05.2027


CERTIFICATE
TES KAR HAVALANDIRMA SİSTEMLERİ SANAYİ TİCARET LİMİTED ŞİRKETİ
ISO 9001:2015

### ISO 9001:2015

Quality management system

No: QMS-008289
Valid until: 26.05.2027


CERTIFICATE
TES KAR HAVALANDIRMA SİSTEMLERİ SANAYİ TİCARET LİMİTED ŞİRKETİ
ISO 14001:2015

### ISO 14001:2015

Environmental management system

No: EMS-008289
Valid until: 26.05.2027


CERTIFICATE
TES KAR HAVALANDIRMA SİSTEMLERİ SANAYİ TİCARET LİMİTED ŞİRKETİ
ISO 45001:2018

### ISO 45001:2018

Occupational health and safety management system

No: OHSMS-002761
Valid until: 26.05.2027

## Fire-resistant gasket

Glass fibre packing, technical data

| | |
|---|---|
| Material | E-glass fibre |
| Temperature | –100 ... +550 °C |
| Pressure (static) | 80 bar |
| Pressure (recip.) | 40 bar |
| Pressure (rotary) | 20 bar |
| Shaft speed | 20 m/s |
| pH | 5 – 9 |
| Density | 0.75 – 1.25 g/cm³ |

High temperature resistance and strength, easy maintenance.

TESKAR
HAVALANDIRMA SİSTEMLERİ

# Let us quote for your project

Send us the duct type, approximate quantities and delivery location, and our team will get back to you during working hours.


Phone / WhatsApp
**+90 530 703 93 29**

E-mail
**info@teskarhavalandirma.com.tr**

Web
**teskarhavalandirma.com.tr**


Working hours
**Monday – Saturday, 08:00 – 18:00**

Scan to visit our website


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**instagram.com/teskarhavalandirma**