TURA
İKLİMLENDİRME

PRODUCT CATALOG

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ABOUT US

We provide refrigerant supplies for safe and efficient cooling solutions in every area, from automotive to residential air conditioners and industrial cooling systems.

Our History

Tura İklimlendirme, along with its group companies, has been a leading company in Turkey's refrigeration sector since 1955.

Our company, specialized in refrigerant gases, maintains its leadership in the industry with an annual filling capacity of 300,000 cylinders and a storage capacity of 100,000 cylinders at our modern facility in Adana. By combining our experience and innovative approaches, we offer products of high quality standards.

Our Vision

As Tura İklimlendirme, with the investment we made in 2020, we aim to become a leading brand in the global cooling sector. With the principle of continuous improvement, we aim to lead changes in the industry by embracing sustainability and environmental sensitivity and keeping up with technological innovations. Our investments and innovative solutions are shaped in line with this vision.

Our Mission

At Tura İklimlendirme, our mission is to provide the refrigeration industry with high-quality and reliable products through uninterrupted and flawless service. The refrigerants we supply are used in a wide range of applications from automotive to residential air conditioners, from the healthcare sector to industrial cooling systems, offering effective solutions in every required area.

FILLING FACILITIES

İSTANBUL

İsmet Paşa Cad. No:3 Kağıthane – Şişli / İstanbul
0212 253 04 63 – 0212 250 87 76
info@turaiklimlendirme.com

İZMİR

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0232 479 41 44
info@turyar.com

ADANA

Yürekli Mah. 5591 Sok. No:6 – Sarıçam / Adana
0322 385 20 20
info@turaiklimlendirme.com

STACKING METHODS

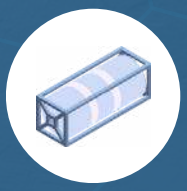

Pressurized Metal Cylinder


12.3L Cylinder


61L Cylinder


Barrel


Ton Tank


ISO Tank

AREAS OF USE

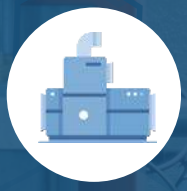

Residential Air Conditioner


New Generation Air Conditioner


Vehicle Air Conditioner


Residential Refrigerator


Central Air Conditioning


Chiller


Market-Style Refrigerator


Cold Chain


Industrial Cooler


Deep Freezer


New Generation Refrigerator


Vaccine Refrigerator


Fire Extinguisher


Inflating Agents

REFRIGERANTS

Tura İklimlendirme is one of the leading companies in refrigerant gas supply and filling services in Turkey and Europe. The high-quality refrigerant gases filled at our modern facilities in Adana, Istanbul, and Izmir are offered to the market, tailored to various application areas and system structures.

Our product range includes high-performance HFC gases as well as environmentally friendly HC gases with low Global Warming Potential.

At Tura İklimlendirme, we take pride in consistently offering innovative and environmentally conscious products to our customers.

R134A

R134a; is a gas used in vehicle air conditioners and household refrigerators, replacing the older generation gas R12.

The non-flammable R134a gas causes less environmental harm compared to R12. With a Global Warming Potential (GWP) of 1430, R134a gas is widely used today.

Gases Contained	**R134a**
Global Warming Potential (GWP)	**1430**
Most Common Usage Area	**Vehicle Air Conditioners, Household Refrigerators**
Chemical Formula	**CH2FCF3**
Stacking Methods	**12 L / 61 L / 1000 L / 22000 L**

Flammability Class

A1 | A2L | A2 | A3

Global Warming Potential

1 **1430** 15K

R134a gas is widely used in car air conditioning systems. This non-flammable gas is used in vehicle air conditioners and household refrigerators. Additionally, R134a is also utilized as a blowing agent in the manufacture of XPS (Extruded Polystyrene Foam).

Particularly favored in the automotive spare parts sector, R134a has been phased out since 2021 in favor of new generation gases. These new generation car air conditioning gases are used to reduce environmental damage and unlike R134a, are flammable.

Common Areas of Use

Stacking

R404A

R404a; a gas used in supermarket type refrigerators and industrial cooling groups, replaces older gases like R502 and R22.

Non-flammable R404a gas is less harmful to the environment compared to R502 and R22 gases.

Gases Contained	**R125 – R143a – R134a**
Global Warming Potential (GWP)	**3922**
Most Common Usage Area	**Supermarket Type Refrigerators, Industrial Coolers, Cold Chains**
Stacking Methods	**12 L / 61 L / 1000 L / 22000 L**

Flammability Class

A1	A2L	A2	A3

Global Warming Potential

1 — **3922** — 15K

RR404a gas is designed to meet the needs of many new and existing refrigeration systems. With a Global Warming Potential (GWP) of 3922, R404a is commonly used in industrial systems today. R404a is an almost azeotropic HFC refrigerant blend with zero ozone depletion potential and classified under ASHRAE's A1 category (lowest toxicity and flammability level).

Common Areas of Use

Stacking

R410A

R410a is a gas that has replaced the older generation R22 and is used in residential air conditioners and central air conditioning systems.

Also known as air conditioning gas, the non-flammable R410a causes less environmental harm compared to R22.

Gases Contained	**R125 – R32**
Global Warming Potential (GWP)	**2088**
Most Common Usage Area	**Central System Air Conditioners, Residential Air Conditioners**
Stacking Methods	**12 L / 61 L / 1000 L / 22000 L**

Flammability Class

A1	A2L	A2	A3

Global Warming Potential

1 **2088** 15K

The R410a refrigerant gas, with a Global Warming Potential (GWP) of 2088, is widely used in air conditioners today. R410a gas offers a wide range of uses in areas such as residential air conditioners and central system air conditioners. Unlike newer generation refrigerants, R410a refrigerant gas, which is non-flammable, is being phased out in favor of newer generation refrigerant gases like R32.

Common Areas of Use

Stacking

R32

R32 is not a blend and its properties are similar to R410a. R32 is used as a new generation refrigerant gas in residential air conditioners, replacing R410a.

nlike R410a, R32 gas is flammable and has a much lower global warming potential compared to R410a.

Gases Contained	**R32**
Global Warming Potential (GWP)	**675**
Most Common Usage Area	**New Generation Air Conditioners**
Chemical Formula	**CH2F2**
Stacking Methods	**12 L / 61 L / 1000 L / 22000 L**

Flammability Class

A1 **A2L** A2 A3

Global Warming Potential

1 **675** 15K

R32 gas has begun to replace the older generation R410a gas. It is used in central system and residential air conditioners. Despite being flammable, it is considered an environmentally friendly gas due to its low Global Warming Potential (GWP). With a GWP of 675, R32 gas is currently used in modern air conditioning systems. R32 gas is commonly used in air conditioners and central systems. Particularly favored in residential air conditioners, R32 refrigerant gas is flammable. As a part of the new generation of refrigerants, this gas is a less environmentally harmful option.

Common Areas of Use

Stacking

R407C

R407c gas; is a refrigerant used in industrial and commercial cooling systems.

R407c replaces the older generation R22 gas and is used in central system air conditioners and chillers.

Gases Contained	**R125 – R32 – R134a**
Global Warming Potential (GWP)	**1774**
Most Common Usage Area	**Chillers, Central Air Conditioners**
Stacking Methods	**12 L / 61 L / 1000 L / 22000 L**

Flammability Class

A1 A2L A2 A3

Global Warming Potential

1 **1774** 15K

The non-flammable R407c gas causes relatively less environmental damage compared to R22 gas. With a Global Warming Potential (GWP) of 1774, R407c gas is commonly used in industrial systems and air conditioners today. R407c gas is widely used in air conditioners, central systems, and chillers. Particularly favored in chiller systems, R407c refrigerant gas is not flammable. The refrigerant commonly used in air conditioners is being replaced by new generation refrigerant gases.

Common Areas of Use

Stacking

R600A

R600a gas is derived from natural gas and petroleum refinery products.

Despite being flammable, it is a hydrocarbon and completely harmonious with the ozone, making it entirely harmless to nature.

Gases Contained	**R600a**
Global Warming Potential (GWP)	**3**
Most Common Usage Area	**New Generation Residential Refrigerators**
Chemical Formula	**C4H10**
Stacking Methods	**1 L / 12 L / 61 L / 1000 L / 22000 L**

Flammability Class

A1 | A2L | A2 | **A3**

Global Warming Potential

1 **3** 15K

R600a Gas, also known as Iso-Butane. R600a is a next-generation refrigerant gas that replaces R12 and R134a gases. It has a low global warming potential and is highly flammable. With these properties, R600a stands out as an environmentally friendly alternative.

Common Areas of Use

Stacking

R290

R290; is used as a refrigerant for central air conditioning, air conditioning, and other small domestic cooling equipment. R290 gas is also used in industrial-type refrigerators.

Gases Contained	**R290**
Global Warming Potential (GWP)	**3**
Most Common Usage Area	**Supermarket Refrigerators, Cooling Units**
Chemical Formula	**C3H8**
Stacking Methods	**1L / 12 L / 61 L / 1000 L / 22000 L**

Flammability Class

A1 | A2L | A2 | **A3**

Global Warming Potential

1 **3** 15K

R290, also known as Propane, is used as a new generation gas in place of R22, R502, and R404a. Due to its low global warming potential (GWP), it is considered a highly flammable but environmentally friendly gas.

Common Areas of Use

Stacking

R508B

R508B is a ultra-low temperature refrigerant.

R508B is a non-flammable refrigerant used in ultra-low temperature applications, demonstrating effective performance between -40 degrees Celsius and -101 degrees Celsius.

Gases Contained	**R116 – R23**
Global Warming Potential (GWP)	**13396**
Most Common Usage Area	**Ultra-low Freezers, Vaccine Refrigerators**
Stacking Methods	**6 KG / 9 KG**

Flammability Class

A1 | A2L | A2 | A3

Global Warming Potential

1 — **13396** — 15K

This refrigerant is specifically designed for use in vaccine refrigerators and medical devices. Compared to other refrigerant gases, R508B must be stored under higher pressure, and it has a Global Warming Potential (GWP) of 13,396.

Common Areas of Use

Stacking

R23

R23 gas is a critical refrigerant used in ultra-deep cooling.

R23 has replaced R13 and R503 in applications requiring very low temperature refrigeration. It is particularly used in medical devices and is a type of HFC.

Gases Contained	**R23**
Global Warming Potential (GWP)	**14800**
Most Common Usage Area	**Ultra-Low Freezers, Vaccine Refrigerators**
Chemical Formula	**CHF3**
Stacking Methods	**9 KG**

Flammability Class

A1 | A2L | A2 | A3

Global Warming Potential

1 — **14800** 15K

R23 Gas is a non-flammable refrigerant that operates effectively between -40 degrees and -73 degrees Celsius. Sharing similar characteristics with R13 and R502, R23 is especially used in medical devices. It is stored under higher pressure compared to other refrigerant gases, and its Global Warming Potential (GWP) is identified as 14,800.

Common Areas of Use

Stacking

FIRE EXTINGUISHERS

Tura İklimlendirme provides high-quality fire extinguishing gases and services for the fire safety sector.

As Tura İklimlendirme, we supply fire extinguishing gases with high extinguishing performance sourced from various UL and FM-approved suppliers and import them. Each product is inspected and approved by our quality control department before being offered to our customers.

By expanding our product range with new generation products, we aim to deliver our products to our valued business partners without compromising on quality.

R227EA

R227ea gas, also known as FM200 gas.

This gas used in various applications as a refrigerant, blowing agent, and fire extinguishing gas. The global warming potential (GWP) of FM200 (R227ea) gas is 3220. FM200 (R227ea) gas is commonly used in the fire suppression industry.

Gases Contained	**R227ea**
Global Warming Potential (GWP)	**3220**
Most Common Usage Area	**Fire Suppression, Industrial Refrigeration, Blowing Agent in XPS Sector**
Chemical Formula	**1,1,1,2,3,3,3 Heptafluoropropane**
Stacking Methods	**12 L / 61 L / 1000 L / 22000 L**

Flammability Class

A1	A2L	A2	A3

Global Warming Potential

1 **3220** 15K

R227ea gas is commonly used in fire suppression systems. Known in the fire suppression industry as FM200, this gas is also used in refrigeration and XPS blowing sectors.

Common Areas of Use

Stacking

NOVEC1230
(FK5-1-12)

FK5-1-12 gas, also known as Novec1230 gas.

This gas is widely used as a fire extinguishing agent and is known as the next generation of FM200 gas.

Gases Contained	**FK5-1-12**
Global Warming Potential (GWP)	**<1**
Most Common Usage Area	**Fire Suppression Sector**
Chemical Formula	**CF3CF2C(O)CF(CF3)2**
Stacking Methods	**250 KG / Barrel**

Flammability Class

A1	A2L	A2	A3

Global Warming Potential

<1	1	15K

The most common use of Novec1230 gas, which has a global warming potential less than 1, is in fire suppression. Novec1230 is a pure gas with an extremely high level of environmental sensitivity.

Common Areas of Use

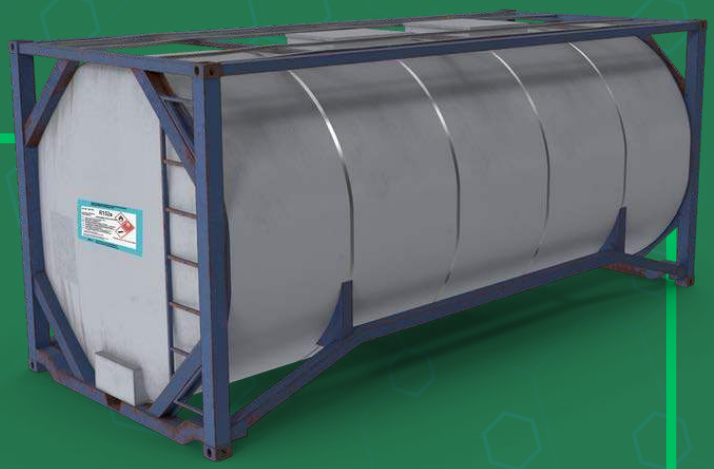
Stacking

BLOWING AGENTS

Blowing agents are chemicals used in the production processes of various materials such as plastics, metals, and polymers to create lightweight and insulated structures. These agents are added while the materials are in liquid form and assist in forming a foam structure by generating gas bubbles during the solidification process. The resulting cellular structures significantly reduce the material's density while enhancing its thermal and acoustic insulation properties.

At Tura İklimlendirme, we provide blowing agents used in the insulation industry to our customers. With the high-quality imported blowing agents we offer, our goal is to maximize the quality of the insulation materials produced.

R152A



R152a gas is commonly used in the XPS industry as a blowing agent.

This gas, which has flammable and combustible properties, is a pure gas and is mixed with DME in the XPS industry as a blowing agent.

Gases Contained	**R152a**
Global Warming Potential (GWP)	**124**
Most Common Usage Area	**Blowing Agent in XPS Sector**
Chemical Formula	**C2H4F2**
Stacking Methods	**1000 L / 22000 L**

Flammability Class

A1 | A2L | A2 | A3

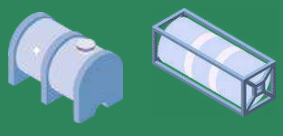
Global Warming Potential

1 **124** 15K

R152a gas, which has flammable and combustible properties, is a pure gas. R152a, one of the most preferred gases in XPS production, has a GWP (Global Warming Potential) value of 124.

Common Areas of Use

Stacking



TURA İKLİMLENDİRME

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