



TK PHARMA
ADVANCED



TK PHARMA
EXTRA



TK PHARMA
STANDARD



TURKISH CARGO

turkishcargo.com.tr




Pharmaceutical and healthcare products are transported **under the assurance of TK Pharma, developed in accordance with industry standards,** in the fastest, safest, and highest quality manner thanks to

- a state-of-the-art facility equipped with robotic processes,
- IATA CEIV Pharma certified operation and
- an expert team in pharmaceutical logistics

with an awareness of the precise logistics requirements **of the continuously evolving pharmaceutical sector,** the quality benchmark has been raised, resulting in the development of **three different products** for pharmaceutical and healthcare product logistics.



TK Pharma Products

Features / Products	 TK PHARMA STANDARD	 TK PHARMA EXTRA	 TK PHARMA ADVANCED
Description	For pharmaceutical shipments with temperature sensitivity	For pharmaceutical shipments with high degree of temperature sensitivity	For pharmaceutical shipments moving in active or hybrid containers
Prioritised Handling & High Loading Priority	✓	✓	✓
Dedicated Temperature-Controlled Storage at the Hub	✓	✓	✓
Dedicated Temperature Controlled Build-up & Break Down Area	✓	✓	✓
Specialized and Qualified Pharmaceutical Operation Team	✓	✓	✓
24/7 Customer Service	✓	✓	✓
Standard Operating Procedures and Quality Agreements	✓	✓	✓
Customizable Standard Operating Procedures and Quality Agreements		✓	✓
24/7 Pharma Control Tower (Pharma Care Team)		✓	✓
Temperature Controlled Dolly During Tarmac Transportation Process at HUB		✓	
Active and Hybrid Temperature Controlled Containers			✓
Dedicated Ramp Transfer at HUB		✓	✓
Network (O&D)	All TK Pharma Stations	TK Pharma High-Quality Stations	TK Pharma Container Stations
Product Codes	STD	EXT	ADV



TK PHARMA STANDARD

It is a product developed with the experience of Turkish Cargo for the transportation of temperature sensitive pharmaceuticals and healthcare products shipped with passive packaging methods, in accordance with industry standards.

TK PHARMA STANDARD ADVANTAGES

- Prioritised handling
- High loading priority
- Dedicated temperature-controlled storage
- Trained specialized operations team
- 24/7 customer service

Use TK Pharma Standard to benefit from the unparalleled flight network of Turkish Cargo, which flies to the most destinations worldwide, and deliver your pharmaceutical and healthcare products to all TK Pharma stations.



TK PHARMA STANDARD



TURKISH CARGO

TK PHARMA EXTRA

It is a product developed for pharmaceuticals and healthcare products with higher degree of temperature sensitivity shipped with passive packaging methods that require extra protection against temperature changes during tarmac transportation process.

With TK Pharma Extra, shipments with high temperature sensitivity are transported beyond industry expectations.

TK Pharma Extra shipments are monitored from the point of departure to the point of arrival by 24/7 Pharma Control Tower.

TK PHARMA EXTRA ADVANTAGES

- Temperature controlled dolly during ramp transportation process
- Dedicated tarmac transfer
- 24/7 Pharma Control Tower
- Customized SOP and QA processes
- Available at TK Pharma High Quality Stations

TK Pharma Extra includes all the features of TK Standard.



TK PHARMA
EXTRA



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TK PHARMA EXTRA

TK PHARMA HIGH QUALITY STATIONS

As an airline that provides services in compliance with IATA CEIV Pharma certification and GDP standards, Turkish Cargo evaluates all stations within the framework of the adopted quality and risk-based approach in accordance with IATA CEIV Pharma and GDP standards.

TK Pharma Extra shipments are transported among the **"TK Pharma High-Quality Stations"** selected as a result of comprehensive evaluations.



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TK PHARMA EXTRA

TEMPERATURE-CONTROLLED DOLLY

Active temperature-controlled apron transport vehicles are used to protect pharmaceutical and healthcare products from external environmental conditions during the apron transport process between the aircraft and the Temperature Controlled Centre (TCC).

Temperature Range: **-20°C/+25°C**

Loadability: **1 PMC/PAG/PLA**

Maximum Load Capacity: **7,000 kg**

Maximum Pallet Height: **170 cm for LD* Dolly**
250 cm for MD* Dolly

**LD: Lower Deck MD: Main Deck*



TURKISH CARGO

TK PHARMA ADVANCED



Active temperature-controlled or hybrid/advanced passive containers are used within the scope of TK Pharma Advanced.

With TK Pharma Advanced, pharmaceutical and healthcare products requiring the highest level of protection against temperature changes are transported at a constant temperature of between **-70°C/+30°C throughout all transport processes.**





























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ACTIVE - PASSIVE CONTAINERS

COOLING-HEATING TYPE	PROVIDER	CONTAINERS NAMES
<p>Electrical Heating and Compressor Cooling</p>		<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  CSafe RAP </div> <div style="text-align: center;">  CSafe RKN </div> </div>
		<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  Opticooler RAP </div> <div style="text-align: center;">  Opticooler RKN </div> </div>
	 <small>The Active Cold Chain</small>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  Envirotainer RAP E2 </div> <div style="text-align: center;">  Envirotainer RKN E1 </div> <div style="text-align: center;">  Envirotainer RAP Reyele </div> <div style="text-align: center;">  Envirotainer RLP Reyele </div> </div>
<p>Dry Ice Based</p>		<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  Envirotainer RAP T2 </div> <div style="text-align: center;">  Envirotainer RKN T2 </div> </div>
<p>Advanced Passive and Hybrid Solutions</p>	 <small>WE SOLVE THERMAL CHALLENGES</small>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  va-Q-tainer EUROx </div> <div style="text-align: center;">  va-Q-tainer USx </div> <div style="text-align: center;">  va-Q-tainer XLx </div> <div style="text-align: center;">  va-Q-tainer TWINx </div> </div>
		<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  1500C </div> <div style="text-align: center;">  1500CRT </div> <div style="text-align: center;">  2500C </div> <div style="text-align: center;">  2500CRT </div> <div style="text-align: center;">  1500D/DF </div> </div>
		<div style="text-align: center;">  Pegasus ULD </div>

PHARMA CONTROL TOWER

Turkish Cargo has established a **Pharma Control Tower** working proactively 24/7 to ensure the smooth completion of the transportation processes for pharmaceutical and healthcare products.

The Pharma Control Tower monitors the operational processes of **pharmaceutical and healthcare products from end to end, preventing any issues during the transportation process.**



TURKISH CARGO

TEMPERATURE CONTROLLED CENTRE

TCC



- 4,518 square meters of dedicated temperature-controlled storage and operational area for TK Pharma
🌡️ **+2°C/+8°C, +15°C/+25°C and -15°C/-20°C**
- Dedicated and Qualified Pharma Operation Team
- A distance of only 100 meters between cargo aircraft parking positions and the **Temperature Controlled Centre (TCC)**
- Temperature-controlled automatic storage system with a capacity of over 200 Unit Load Devices (ULDs)
(PCHS – Pallet Container Handling System)
🌡️ **+2°C/+8°C and +15°C/+25°C**
- A temperature-controlled dedicated acceptance gate and waiting area
🌡️ **+15°C/+25°C**
- Charging stations for active containers
- Dedicated Temperature Controlled Build-up & Break Down Area
🌡️ **+2°C/+8°C and +15°C/+25°C**
- CEIV Pharma certified and GDP compliant operations

4,518 m²



100 m



TURKISH CARGO

SMARTIST CARGO FORWARD BASE

- Additional facility **located close to passenger aircraft parking positions**
- Fast transfer opportunity **between passenger aircrafts**
- +2°C/+8°C and +15°C/+25°C temperature controlled 650 m² **ULD storage area**



TURKISH CARGO

TK PHARMA NETWORK

"TK Pharma High-Quality Stations" indicate the stations where the TK Pharma Extra product is available.

"TK Pharma Stations" indicate the locations where the TK Pharma Standard product is available.

TK Pharma Standard is also active at TK Pharma High-Quality Stations. Click the link to access TK Station Capability Matrix and the list of "TK Pharma High Quality" and "TK Pharma Stations".





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