

ITALY
TRADEMARK



KrioNext[®]
REFRIGERANT SOLUTIONS

2023
PRODUCT
CATALOG



General Gas (Zhejiang) CO. LTD is a company of General Gas S.r.l. Group. Italy, for more than 40 years a leading company in the European Refrigeration and Air Conditioning market with a high level of specialized know-how.

The objective of the newco is to serve the Middle East, Africa and South American markets at competitive prices with high-quality solutions and manufactured products according to the highest European standards.

Our Customers are at the centre of everything: understanding their needs and requirements, designing innovative services and solutions around them, anticipating new trends and technologies in complex and rapidly changing markets.

GeneralGas
(ZHEJIANG) CO., LTD





2023

PRODUCT CATALOG

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R-410A

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R-410A

The refrigerant with high energy efficiency index

KrioNext[®] 410A is an azeotropic mixture composed of HFC-32/HFC-125, produced by Honeywell as a long term replacement product of R-22 (HCFC-22), in new equipments. This non ozone depleting mixture is, from the energetic point of view, very productive.

KrioNext[®] 410A has higher refrigerating capacity and pressures compared to R-22, and a lower toxicity. Its use is very simple because it is an azeotropic mixture. KrioNext[®] 410A is a Honeywell patent and has been proved to be non flammable by Underwriters' Laboratory (UL).



Residential
A/C



Heating
& Plumbing



Chiller

TEMPERATURE RANGE



Zero ODP

Medium GWP

2088 (1924)
IPCC AR4 (AR5)

Applications:

KrioNext[®] 410A is used in new home and small shop air conditioning systems.

KrioNext[®] 410A is an excellent refrigerant in new concept water coolers not provided with centrifugal compressor.

KrioNext[®] 410A can be used as replacement product of R-22 in new commercial refrigeration systems (low and medium temperature), including supermarket refrigerated display cases and refrigerated transport.



ANTI-COUNTERFEITING SEAL



KrioNext[®] in DOT-39 cylinder
13,77 Lt / 35 Bar - 11,3 Kg - valve 1/4" SAE

KNX-R410A-DOT

Cylinders per Pallet # 40 — or — Cylinders per Pallet # 90



KrioNext DOT-39 carbon steel cylinders
1 Lt/650 grams (valve 1/4" SAE RH)

Cylinders per Package # 6
KNX-R410A-DOT-6PCS
Packages per Pallet # 168

Cylinders per Package # 12
KNX-R410A-DOT-6PCS
Packages per Pallet # 84



KrioNext Alu T-Ped refillable aluminum cylinders
1,1 Lt/900 grams (valve 1/4" SAE RH)

Cylinders per Package # 6
KNX-R410A-ALU-6PCS
Packages per Pallet # 72

R-404A

The reference product for commercial refrigeration

KrioNext[®] 404A is a non-ozone depleting refrigerant gas developed for long-term replacement of R-22 (HCFC) in low and medium temperature commercial refrigeration.

KrioNext[®] 404A is a slightly zeotropic mixture. For this reason it is necessary to charge systems only with refrigerant in the liquid phase, and not with vapour because that would cause a change in the composition of refrigerant that could damage the system.



Industrial Refrigeration



Commercial Refrigeration



Refrigerated Transports

TEMPERATURE RANGE



TN



BT

Zero ODP

High GWP

3922 (3943)
IPCC AR4 (AR5)

Applications:

KrioNext[®] 404A is used in low and medium commercial and industrial refrigeration, as for example supermarket display cabinets, cold rooms, stands, refrigerated transport and ice making machines.



ANTI-COUNTERFEITING SEAL



KrioNext[®] in DOT-39 cylinder
13,77 Lt/27 Bar - 10,9 Kg - valve 1/4" SAE

KNX-R404A-DOT

Cylinders per Pallet # 40 or Cylinders per Pallet # 90



KrioNext DOT-39 carbon steel cylinders
1 Lt/650 grams (valve 1/4" SAE RH)

Cylinders per Package # 6
KNX-R404A-DOT-6PCS
Packages per Pallet # 168

Cylinders per Package # 12
KNX-R404A-DOT-12PCS
Packages per Pallet # 84



KrioNext Alu T-Ped refillable aluminum cylinders
1,1 Lt/900 grams (valve 1/4" SAE RH)

Cylinders per Package # 6
KNX-R404A-ALU-6PCS
Packages per Pallet # 72

R-407C

The refrigerant used in home air conditioning

KrioNext® 407C is a zeotropic ternary mixture composed of HFC-32/HFC-125/HFC-134a. It has been developed as a replacement for R-22 (HFC-22). II KrioNext® 407C is a non ozone depleting refrigerant and lends itself to many uses in refrigeration and air conditioning systems.

KrioNext® 407C is a zeotropic ternary mixture that, unlike azeotropic fluid, changes its temperature during evaporation and condensation phases, for a given value of pressure.

Residential
A/CHeating
& Plumbing

Chiller

TEMPERATURE RANGE



TN



Tpos

Zero ODP

Medium GWP

1774 (1624)
IPCC AR4 (AR5)

KrioNext® 407C has a moderate T° Glide (5÷7 °C). Therefore it is very important that KrioNext® 407C is transferred only as a liquid state when charging a system, and not as a vapour state. That would cause a change in the composition of the refrigerant, which could damage the plant.

Applications:

KrioNext® 407C is used in home and small shop air conditioning systems. KrioNext® 407C is also used in water chillers not provided with centrifugal compressor, and in medium temperature refrigeration systems.



ANTI-COUNTERFEITING SEAL



KrioNext® in DOT-39 cylinder
13,77 Lt/27 Bar - 11,3 Kg - valve 1/4" SAE

KNX-R407C-DOT

Cylinders per Pallet # 40 — or — Cylinders per Pallet # 90



KrioNext DOT-39 carbon steel cylinders
1 Lt/650 grams (valve 1/4" SAE RH)

Cylinders per Package # 6
KNX-R407C-DOT-6PCS
Packages per Pallet # 168

Cylinders per Package # 12
KNX-R407C-DOT-12PCS
Packages per Pallet # 84



KrioNext Alu T-Ped refillable aluminum cylinders
1,1 Lt/900 grams (valve 1/4" SAE RH)

Cylinders per Package # 6
KNX-R407C-ALU-6PCS
Packages per Pallet # 72

R-32

The low GWP alternative to R-410A in Air Conditioning systems

KrioNext[®] 32 is an HFC refrigerant used so far as component in blends of R-410A ed R-407C.

Thanks to its energy and environmental efficiency, KrioNext[®] 32 has been already used by major manufacturers of household airconditioners systems.

KrioNext[®] 32 has a GWP - Global Warming Potential - considerably lower than R-410A. The product is used in low coolant temperature systems.



Residential
A/C



Heating
& Plumbing

TEMPERATURE RANGE



Zero ODP

LowGWP

675 (677)
IPCC AR4 (AR5)

KrioNext[®] 32 is a mildly flammable gas. KrioNext[®] 32 needs the use of Polyol Ester Oil (POE), with a viscosity specific for R-32.

Applications:

KrioNext[®] 32 is used in residential and commercial air conditioning systems.



ANTI-COUNTERFEITING SEAL



KrioNext[®] in DOT-39 cylinder
4,5 Lt / 39 Bar - 3 Kg - valve 1/4" SAE

KNX-R32-DOT

Cylinders per Pallet # 175



KrioNext DOT-39 carbon steel cylinders
1 Lt/650 grams (valve 1/4" SAE RH)

Cylinders per Package # 6
KNX-R32-DOT-6PCS
Packages per Pallet # 168

Cylinders per Package # 12
KNX-R32-DOT-12PCS
Packages per Pallet # 84



KrioNext Alu T-Ped refillable aluminum cylinders
1,1 Lt/800 grams (valve 1/4" SAE RH)

Cylinders per Package # 6
KNX-R32-ALU-6PCS
Packages per Pallet # 72

R-134a

The reference refrigerant for motor vehicle air conditioning

KrioNext[®] 134a is one of the main product replacing HCFC gases and is the non-ozone depleting and non polluting option. The product has an energetic efficiency and a refrigeration capacity similar to R-12, but with a lower toxicity.

KrioNext[®] 134a is a reference refrigerant for motor vehicle air conditioning. It can be used in home and commercial refrigeration as well as in commercial and industrial air conditioning. KrioNext[®] 134a is one of the most common components in refrigerants on the market.



Industrial Refrigeration



Commercial Refrigeration



Automotive



Residential A/C



Heating & Plumbing



Chiller

TEMPERATURE RANGE



Zero ODP

Medium GWP

1.430 (1.300)
IPCC AR4 (AR5)

Applications:

KrioNext[®] 134a is used in all motor vehicle air conditioning systems.

KrioNext[®] 134a has been developed for many applications in refrigeration, as for example supermarket display cabinets, cold rooms and domestic refrigerators. The product can be used in packaged centrifugal chillers.



ANTI-COUNTERFEITING SEAL



KrioNext[®] in DOT-39 cylinder
13,77 Lt/22 Bar - 13,6 Kg - valve 1/4" SAE

KNX-R134A-DOT

Cylinders per Pallet # 40 or Cylinders per Pallet # 90



KrioNext DOT-39 carbon steel cylinders
1 Lt/950 grams (valve 1/4" SAE RH)

Cylinders per Package # 6
KNX-R134A-DOT-6PCS
Packages per Pallet # 168

Cylinders per Package # 12
KNX-R32-DOT-12PCS
Packages per Pallet # 84



KrioNext Alu T-Ped refillable aluminum cylinders
1,1 Lt/1000 grams (valve 1/4" SAE RH)

Cylinders per Package # 6
KNX-R134A-ALU-6PCS
Packages per Pallet # 72

R-507

Low and medium temperature commercial refrigeration

KrioNext[®] 507 is a refrigerant gas composed of HFC-125 and HFC-143a. It has been developed by Honeywell as a long-term replacement product for R-502.

KrioNext[®] 507 is a non polluting azeotropic mixture. It does not damage the ozone layer. It is an excellent product for the use in low and medium temperature.



Industrial Refrigeration



Commercial Refrigeration



Refrigerated Transports

TEMPERATURE RANGE



TN



BT



Zero ODP



High GWP

3985 (3985)
IPCC AR4 (AR5)

Applications:

KrioNext[®] 507 is used for a wide range of applications in low and medium temperature commercial refrigeration, including supermarket counter fridge, refrigerated transport, stand and ice maker machine.



ANTI-COUNTERFEITING SEAL



KrioNext[®] in DOT-39 cylinder
13,77 Lt / 27 Bar - 11,3 Kg - valve 1/4" SAE

KNX-R507-DOT

Cylinders per Pallet # 40

or

Cylinders per Pallet # 90

DISTRIBUTION

Proven omnichannel logistics services
tailored to your business worldwide



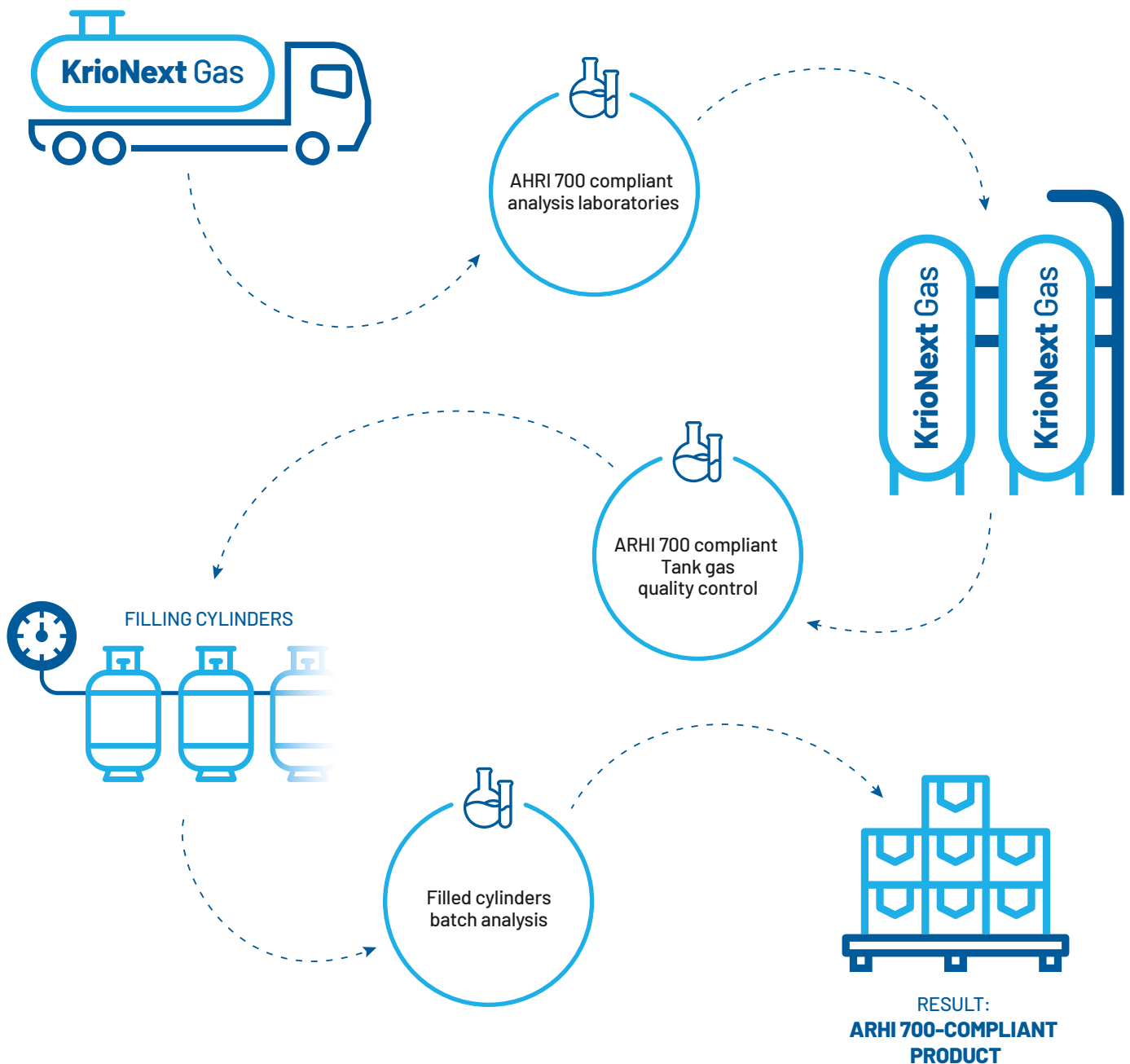
We strive to understand how our market is evolving and aim to be a provider of sustainable and efficient solutions rather than a mere supplier of chemical molecules.





PRODUCT PROCESS

Quality assurance at all stages
of the production chain



ITALY
TRADEMARK



GeneralGas
(ZHEJIANG) CO., LTD



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