



**KALTECH ENGINEERING & REFRIGERATION PTE. LTD.**

Established since 1993, is a major & leading re-filler of comprehensive range of refrigerant gases under "Kalton" brand for sale into Singapore and exports to various overseas markets across the globe.

The name "Kalton" is well trusted & accepted by customers and is synonymous with quality and high standards.

**ACTIVITIES & SERVICES**

Refrigerants are imported & filled at our facility in various packing sizes from small Disposable cylinders to ISOTANK Containers. We have own individual bulk storage tanks for each type of refrigerant.

Stringent quality checks at all crucial stages of re-filling & our own in-house laboratory equipped with latest technology apparatus ensures compliance of international standards, so that our customers received the highest product quality possible. Also KALTECH is an ISO 9001:2008 accredited company by UKAS Quality Management that ensures compliancy of standards.

We also provide sound technical back - up, engineering services & support to our clients for optimum utilization of products supplied by us. Our strong Engineering team is also available to provide customize solutions on product handling and management.

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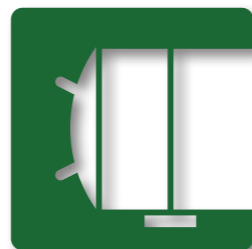
Web [www.kaltech.com.sg](http://www.kaltech.com.sg)



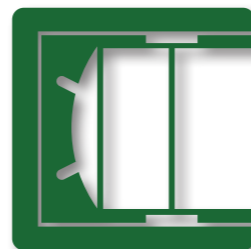
Disposable Cylinders  
(10.9/ 11.3/ 13.6 & 22.7 Kgs)



Loansteel Cylinders  
(45 ~ 100 Kgs)



Returnable Tontanks  
(700 ~ 1000 Kgs)



Returnable ISOTANK  
(Approx. 20000 Kgs)



Cans/ Pail/ Drums  
(1 quat ~ 55 gallon)



Steel Drums  
(30 ~ 250 Kgs)



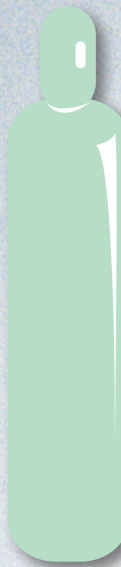
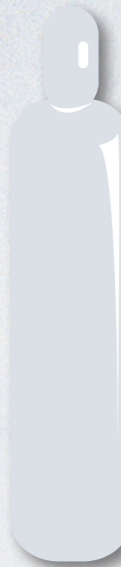




# REFRIGERANT OPTIONS





A Comprehensive Approach to Refrigerant Management

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## HCFCs


 <p><b>R22</b> *1 kgs *13.6 kgs *22.7 kgs *57 kg *950 kgs *20000 kgs OIL *Mineral *Alkylbenzene *Polyol Ester APPLICATION *Low Temp. Refrig. *Med. Temp. Refrig. *Air Conditioning</p>	 <p><b>R406A*</b> (GHG12) R22/600a/142b (55/4/41%) *11.3 kgs *13.6 kgs OIL *Mineral *Alkylbenzene APPLICATION *Stationary R12 Refrig. Replacement for R12</p>	 <p><b>R408A</b> (FX10) R125/143a/22 (7/46/47%) *10.9 kgs OIL *Mineral *Alkylbenzene *Polyol Ester APPLICATION *Low Temp. Refrig. *Med. Temp. Refrig. Replacement for R502</p>	 <p><b>R409A</b> (FX56) R22/124/142b (60/25/15%) *13.6 kgs OIL *Mineral *Alkylbenzene *Polyol Ester APPLICATION *Low Temp. Refrig. *Med. Temp. Refrig. Replacement for R12</p>
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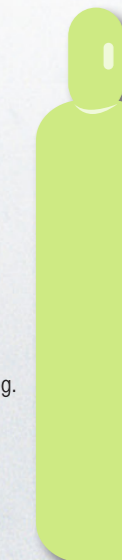
## HFCs

 <p><b>R23</b> *9 kgs *38 kgs OIL *Polyol Ester APPLICATION *Very low temp. Refrig. Replacement for R13 &amp; R503</p>	 <p><b>R134a</b> *340 ~ 1 kgs *13.6 kgs *22.7 kgs *57 kg *950 kgs *20000 kgs OIL *Polyol Ester APPLICATION *Med. Temp. Refrig. *Air Conditioning Replacement for R12</p>	 <p><b>R404A</b> (FX70/HP62) R125/143a/134a (44/52/4%) *10.9 kgs *45 kgs *730 kgs OIL *polyol Ester APPLICATION *Low Temp. Refrig. *Med. Temp. Refrig. Replacement for R502</p>	 <p><b>R407C</b> (Klea 66/SUVA 9000) R32/125/134a (23/25/52%) *11.3 kgs *52 kgs *730 kgs OIL *polyol Ester APPLICATION *Air Conditioning Replacement for R22</p>
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## HCFC

## HFC

 <p>► 141 b ► R123</p>	 <p>► 365 mfc ► 365/227 ► Solvokane ► Solvokane X ► Solvokane E 1.5</p>
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 <p><b>R410A</b> (AZ 20) R32/125 (50/50%) *11.3 kgs *45 kgs *740 kgs OIL *Polyol Ester APPLICATION *Air Conditioning Replacement for R22</p>	 <p><b>R507</b> (AZ 50) R125/143a (50/50%) *11.3 kgs *50 kgs *720 kgs OIL *Polyol Ester APPLICATION *Low Temp. Refrig. *Med. Temp. Refrig. Replacement for R502</p>	 <p><b>R508B</b> 23/116 (46/54%) *6 kgs *9 kgs OIL *Polyalpha Olefin *Alkylbenzene *Mineral APPLICATION *Very Low Temp. Refrig. Replacement for R503 &amp; R13</p>	 <p><b>R407F</b> Genetron Performax LT R32/R125/R134a (30/30/40%) *11.3 kgs OIL *Polyol Ester APPLICATION *Low Temp. Refrig. *Med. Temp. Refrig. Replacement for R22</p>
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### REFRIGERATION COMPRESSOR LUBRICANTS

RECOMENDED PRODUCT	REFRIGERANT	BASE OIL	VG (Viscosity @40°C)	POUR POINT (°F/ °C)	FLASH POINT (°F/ °C)	COMPRESSOR TYPE
XR 108-68	Ammonia	PAO	68	-65/-54	505/263	Reciprocating, Screw
XGF 124-68*	CO2, CO	PAO	68	-60/-51	518/270	Reciprocating, Screw
XR 208-68	Ammonia	Highly Refined Mineral	68	-44/-42	470/244	Reciprocating, Screw
XR 209-68	Ammonia	Highly Refined Mineral	68	-38/-39	473/245	Reciprocating, Screw
XR 212 series***	R22, R123, R414A	Wax-free Napthenic	32, 55, 100	-27/-33	382/200	Reciprocating, Screw
XR 534 series	R134a, R404A R407C, R410A	POE	32, 68, 100, 120, 170, 220	-67/-55	482/250	Reciprocating, Screw Scroll, Rotary
XR 600-68	MP39**, MP66**, HP80**, HP81**, Ammonia, R22, R123, R502	Alkyl Benzene	68	-44/-42	470/244	Reciprocating, Screw

Packing size: 1 qt. / 1 gal. / 5 gal. / 55 gal.

\* NSF H-1 certified \*\* Dupont SUVA refrigerants \*\*\* Equivalent to 3GS/4GS/5GS

 <p><b>R413A</b> (M049) R134a/R218/R600a (88/9/3%) *13.4 kgs OIL *Alkyl benzene *Polyol Ester APPLICATION *Med Temp. Refrig. *Auto &amp; stationary A/Cs Replacement for R12</p>	 <p><b>R417A</b> (M059) R134a/R125/R600 (50/46.6/3.4%) *11.35 kgs OIL *Mineral *Alkyl benzene *Polyol Ester APPLICATION *Med Temp. Refrig. *Air-conditioning Replacement for R22</p>	 <p><b>R422A</b> (M079) R125/R134a/R600a (85.1/11.5/3.4%) *10.9 kgs OIL *Mineral *Alkyl benzene *Polyol Ester APPLICATION Low Temp. Refrig. Med Temp. Refrig. Replacement for R502 &amp; R22</p>	 <p><b>R422D</b> (M029) R125/R134a/R600a (65.1/30.5/3.4%) *11.35 kgs OIL *Mineral *Alkyl benzene *Polyol Ester APPLICATION *Med Temp. Refrig. *Air-conditioning *Water Chillers Replacement for R22</p>
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\*Specifically color for refrigerant that are not produced in sufficient quantities to qualify for their own individual color.