



HCFCs REFRIGERANT

*LT – Low Temperature Refrig

MT – Medium Temperature Refrig

HT – Air Conditioning



KALTON REFRIGERANT R22

Chemical Name : Chlorodifluoromethane (CHClF₂)
 ODP : 0.055
 GWP [100a] : 1810
 Oil : MO / AB / POE
 Application : LT/MT/HT
 Boiling Point : – 41° C @ 1.013 bar



KALTON REFRIGERANT R406A

Chemical Name : R22/R600a/R142b
 Composition : 55/4/41(%)
 ODP : 0.055
 GWP [100a] : 1900
 Oil : MO / AB
 Application : Stationary R12 Refrig.
 Boiling Point : – 32.7° C @ 1.013 bar
 Replacement for : R12



KALTON REFRIGERANT R408A

Chemical Name : R125/R143a/R22
 Composition : 7/46/47(%)
 ODP : 0.024
 GWP [100a] : 3200
 Oil : MO / AB / POE
 Application : LT/MT
 Boiling Point : – 45.5° C @ 1.013 bar
 Replacement for : R502
 Trade Name : FX10



KALTON REFRIGERANT R409A

Chemical Name : R22/R124/R142b
 Composition : 60/25/15 (%)
 ODP : 0.046
 GWP [100a] : 1600
 Oil : MO / AB / POE
 Application : LT/MT
 Boiling Point : – 35.4° C @ 1.013 bar
 Replacement for : R12
 Trade Name : FX56

*Specifically color for refrigerant that are not produced in sufficient quantities to qualify for their own individual color
 Disposable cylinders (10.9/11.3/13.6 & 22.7 kgs), Loansteel cylinders (45-100 kgs)

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KALTON REFRIGERANT R23

Chemical Name : Trifluoromethane (CHF₃)
 ODP : 0
 GWP [100a] : 14800
 Oil : POE
 Application : LT
 Boiling Point : - 82° C @ 1.013 bar
 Replacement for : R13 & R503



KALTON REFRIGERANT R134a

Chemical Name : 1,1,1,2-Tetrafluoroethane (CH₂FCF₃)
 ODP : 0
 GWP [100a] : 1430
 Oil : POE
 Application : MT/HT
 Boiling Point : - 26° C @ 1.013 bar
 Replacement for : R12



KALTON REFRIGERANT R404A

Chemical Name : R125/R143a/R134a
 Composition : 44/52/4 (%)
 ODP : 0
 GWP [100a] : 3900
 Oil : POE
 Application : LT/MT
 Boiling Point : - 46.6° C @ 1.013 bar
 Replacement for : R502
 Trade Name : FX70/HP62



KALTON REFRIGERANT R407C

Chemical Name : R32/R125/R134a
 Composition : 23/25/52 (%)
 ODP : 0
 GWP [100a] : 1800
 Oil : POE
 Application : HT
 Boiling Point : - 43.8° C @ 1.013 bar
 Replacement for : R22
 Trade Name : Klea66/SUVA9000



KALTON REFRIGERANT R410A

Chemical Name : R32/R125
 Composition : 50/50 (%)
 ODP : 0
 GWP [100a] : 2100
 Oil : POE
 Application : HT
 Boiling Point : - 51.6° C @ 1.013 bar
 Replacement for : R22
 Trade Name : AZ20



KALTON REFRIGERANT R507

Chemical Name : R125/R143a
 Composition : 50/50 (%)
 ODP : 0
 GWP [100a] : 4000
 Oil : POE
 Application : LT / MT
 Boiling Point : - 46.7° C @ 1.013 bar
 Replacement for : R502
 Trade Name : AZ50



KALTON REFRIGERANT R508B

Chemical Name : R23/R116
 Composition : 46/54 (%)
 ODP : 0
 GWP [100a] : 13000
 Oil : MO, AB, PAO
 Application : LT
 Boiling Point : - 88.3° C @ 1.013 bar
 Replacement for : R503 & R13



KALTON REFRIGERANT R407F

Chemical Name : R32/R125/R134a
 Composition : 30/30/40 (%)
 ODP : 0
 GWP [100a] : 1824
 Oil : POE
 Application : LT/MT
 Boiling Point : - 45.5° C @ 1.013 bar
 Replacement for : R22
 Trade Name : Genetron Performax LT



KALTON REFRIGERANT R413A

Chemical Name : R134a/R218/R600a
 Composition : 88/9/3 (%)
 ODP : 0
 GWP [100a] : 2100
 Oil : AB, POE
 Application : MT/HT
 Boiling Point : - 29.3° C @ 1.013 bar
 Replacement for : R12
 Trade Name : MO49



KALTON REFRIGERANT R417A

Chemical Name : R134a/R125/R600
 Composition : 50/46.6/3.4 (%)
 ODP : 0
 GWP [100a] : 2300
 Oil : MO, AB, POE
 Application : MT / HT
 Boiling Point : - 41.2° C @ 1.013 bar
 Replacement for : R22
 Trade Name : MO59



KALTON REFRIGERANT R422A

Chemical Name : R125/R134a/R600a
 Composition : 85.1/11.5/3.4 (%)
 ODP : 0
 GWP [100a] : 3100
 Oil : MO, AB, POE
 Application : LT / MT
 Boiling Point : - 49° C @ 1.013 bar
 Replacement for : R502 & R22
 Trade Name : MO79



KALTON REFRIGERANT R422D

Chemical Name : R125/R134a/R600a
 Composition : 65.1/30.5/3.4 (%)
 ODP : 0
 GWP [100a] : 2700
 Oil : MO, AB, POE
 Application : MT / HT / Water Chillers
 Boiling Point : - 45° C @ 1.013 bar
 Replacement for : R22
 Trade Name : MO29

*Specifically color for refrigerant that are not produced in sufficient quantities to qualify for their own individual color
 Disposable cylinders (10.9/11.3/13.6 & 22.7 kgs), Loansteel cylinders (45-100 kgs)