

WEITRON

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ASHRAE #	Trade Name	Replaces	Type	Composition	GWP	Applications	Sizes	Oil	Cylinder Color
R-22			HCFC	Pure Fluid	1,810	A/C, Medium - Low temp commercial refrigeration	30, 50, 125, 1,000, 1,750, Bulk	MO, AB POE	Light Green
R-408A	FX-10	R-502	HCFC	R-125/143A/22 (7/46/47%)	2,650	Servicing existing medium - low temperature	24, 100	MO, AB POE	Medium Purple
R-409A	FX-56	R-12, R-500	HCFC	R-22/124/142B (60/25/15%)	2,650	Retrofit commercial DX medium - low temperature	30, 125	MO, AB POE	Medium Brown
R-123		R-11	HCFC	Pure Fluid	77	Centrifugal chillers	100, 200	MO	Light Blue - Grey
R-401A	MP-39	R-12	HCFC	R-22/152A/124 (53/13/34%)	1,100	Retrofit commercial medium temperature DX equipment	30, 125, 1,000, 1,700	MO, AB	Pinkish - Red
R-401B	MP-66	R-12, R-500	HCFC	R-22/152A/124 (60/11/28%)	1,200	Retrofit commercial DX Transport refrigeration	30, 125, 1,700	MO, AB	Yellow - Brown
R-402A	HP-80	R-502	HCFC	R-125/290/22 (60/2/38%)	2,600	Commercial DX refrigeration	27, 110	MO, AB	Light Brown
R-402B	HP-81	R-502	HCFC	R-125/290/22 (38/2/60%)	2,200	Ice Machines	13	MO, AB	Green - Brown
R-410A	AZ-20 Suva®9100	R-22	HFC	R-32/125 (50/50%)	2,100	New residential & commercial A/C designed for R-410A only	25, 110, 1,350	POE	Rose
R-407A		R-22	HFC	R-32/125/134A (20/40/40%)	2,100	Replacement / retrofit DX R-22 systems both low & medium temperature	25, 115	POE	Lime Green
R-407C	Suva®9000	R-22	HFC	R-32/125/134A (23/25/52%)	1,800	Replacement / retrofit for R-22 A/C residential & commercial	25, 115	POE	Medium Brown
R-134A			HFC	Pure Fluid	1,430	Medium temperature refrigeration, Auto A/C	30, 125, 1,000, 1,750	POE, PAG (auto)	Light Blue
R-404A	HP-62, FX-70	R-22, R-502 R-402A, R-408A	HFC	R-125/143A/134A (44/52/4%)	3,900	Both new & retrofit for commercial medium & low temperature, transport	24, 100 800, 1,300	POE	Orange
R-507A	AZ-50	R-22, R-502 R-402A, R-408A	HFC	R-125/143A (50/50%)	4,000	Both new & retrofit for commercial medium & low temperature, transport	25, 100, 1,400	POE	Blue - Green
R-23		R-13	HFC	Pure Fluid	12,000	Ultra low temperature	20, 70, 950	POE	Light Blue - Grey
R-508B	Suva®95	R-13, R-503	HFC	R-23/116 (46/54%)	12,000	Ultra low temperature	10, 20, 70 1,100	MO, AB, POE	Dark Blue

*ALL INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE.

*WEITRON ACCEPTS NO LIABILITY FROM ANY CLAIMS MADE BECAUSE OF THE USE OR RELIANCE ON SUCH INFORMATION.

FOR CFCs:

Substitute	Trade Name	Replaces	Retro/New
HCFC-22		12, 502	R, N
HCFC-123		11	R, N
HFC-23		13, 13B1, 503	R, N
Ikon A		12	R, N
Ikon B		12	R, N
THR-02		12	R, N
HFC-134a		12	R, N
HFC-227ea		12	N
HFC-236fa		114	R, N
R-401A, R-401B	MP39, MP66	12	R, N
R-402A, R-402B	HP80, HP81	502	R, N
R-403B	Isceon 69-L	13, 13B1, 503 Note: R-403B is unacceptable as a substitute for R-502.	R, N
R-404A	HP62	502, 12, 500	R, N
R-406A	GHG	12, 500	R
R-407A, R-407B	Klea 407A, 407B	502	R, N
R-408A (HCFC Blend Epsilon)		502	R
R-411A, R-411B		12, 500, 502	R, N
R-507	AZ-50	11, 12, 502	R, N
Freeze 12	Free Zone/RB-276	12	R, N
FRIGC FR-12 (HCFC Blend Beta)	Freeze 12	12	R, N
GHG-X4	FRIGC FR-12	12, 500	R, N
GHG-X5	GHG-X4, Autofrost, Chill-It	12, 500	R, N
GHG-HP (HCFC Blend Lambda)	GHG-X5	12, 500	R, N
Hot Shot	GHG-HP	12	R, N
HCFC-22/HCFC-142b	Hot Shot, Kar Kool	12, 500	R, N
NARM-502		12	R, N
Carbon Dioxide		13, 13B1, 503	R, N
THR-04		13, 13B1, 503	R, N
FOR-12A	THR-04	502	R, N
FOR-12B	FOR12A	12	R, N
Ammonia Vapor Compression	FOR12B	12	R, N
CO ₂		12, 502	N
Isceon 37TC		13, 13B1, 503	R, N
R-407C	Isceon 39TC	12	R, N
R-420A	Suva®407C, Klea 407C	502	R, N
R-421B	Choice R-420A	12, 500	R, N
R-426A	Choice R-421B	12, 502	R, N
R-422C	RS-24	12	R, N
HFC-245fa	ICOR XLT1	502	R, N
KDD6	Genetron® 245fa	114	R, N

FOR HCFCs:

Substitutes	Trade Name	Retrofit/New
R-410A, R-410B	AZ-20, Suva®9100, Puron	N
THR-03		R, N
Isceon 59, NU-22, R-417A	ISCEON 59, NU-22	R, N
R-404A	HP-62	R, N
R-407C	Suva®9100, Klea-66	R, N
R-507	AZ-50	R, N
R-125/134A/600A (28.1/70.0/1.9)		R, N
Ammonia Vapor Compression		N
Ammonia Absorption		N
RS-44	RS-44	R, N
ISCEON 79	ISCEON 79	R, N
R-421A	Choice R421A	R, N
R-421B	Chioce R-421B	R, N
R-422D	ISCEON MO99	R, N
R-424A	RS-44	R, N
R-426A	RS-44	R, N
KDD5, R-438A	ISCEON MO99	R, N
R-434A	RS-45	R, N
R-428A	RS-52	N
R-125/290/134A/600A (55.0/1.0/42.5/1.5)	ICOR AT-22	R, N
R-422B	XAC1, NU-22B	R, N
R-422C	XLT1	R, N

R = RETROFIT, N = NEW USES

OTHER REFRIGERANTS:

Refrigerant	ASHRAE#	Trade Name	Replaces
12A	N/A	12-A	R-12
22A	N/A	22-A	R-22
GHG-X3/R-406A	R-406A	Autofrost	12, 500
GHG-X8	N/A	Cool Top	134A
FR12/R-416A/FRIGC	R-416A	FR-12	12, 134A
HC 12A	N/A	HC-12A	12, 134A
Hot Shot	R-414B	Hot Shot	12, 134A, 500
MO-29/R-422D	R-422D	MO-29	22
MO-49/R-413A	R-413A	MO-49	12
MO-59/R-417A	R-417A	MO-59	22
MO-79/R-422A	R-422A	MO-79	22, 502
MO-89	N/A	MO-89	13B1
NU-22/R-417A	R-417A	NU-22	22
NU-22B/R-422B	R-422B	NU-22B	22
ONE SHOT	R-422A	One Shot	502, 22(LT), 507A, 404A, 402A, 402B, 408A
RS-24	N/A	RS-24	12
RS-44	N/A	RS-44	22

REFRIGERANT RECOVERY CYLINDERS:

	125 LB	125 LB	1,000 LB	1,000 LB
Pressure Rating	4BA300	4BA400	4BW260	4BW400
WATER CAPACITY (LBS.)	123 lbs.	123 lbs.	1,000 lbs.	1,000 lbs.
TARE WEIGHT (LBS.) Empty	55 lbs.	62 lbs.	360 lbs.	560 lbs.
Max Refrigerant Weight	100 lbs.	100 lbs.	800 lbs.	800 lbs.
Gross Shipping Weight (80%) Full	150 lbs.	150 lbs.	1,160 lbs.	1,360 lbs.

ALLOWABLE REFRIGERANT CAPACITY:

MAXIMUM ALLOWABLE GROSS CYLINDER FILL WEIGHT IS 0.8X WATER CAPACITY X SPECIFIC GRAVITY OF THE REFRIGERANT RECOVERED @ 77 DEGREES FAHRENHEIT. PLUS THE TARE WEIGHT OF THE CYLINDER.

TARE WEIGHTS ARE APPROXIMATE.

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