

APPLICATION REFERENCE GUIDE

ASHRAE #	Trade Name	Manufacturer	Replaces	Type	Composition (wt%)	GWP	Recommended Lubricant	Applications
R-410A	Forane® 410A	Arkema	R-22	HFC Near-azeotropic blend	R-32 - 50% R-125 - 50%	1,725	POE	Replacement for R-22 in smaller size chillers, and residential and light commercial A/C systems. Never used as a retrofit for R-22
	Genetron® AZ-20 Suva® 410A Puron®	Honeywell Dupont						
R-427A	Forane® 427A	Arkema	R-22	HFC Zeotropic blend	R-32 - 15% R-125 - 25% R-143a - 10% R-134a - 50%	1,830	MO or AB (with oil separator) POE	Recommended retrofit for R-22 DX systems. Used in A/C, medium, and low temperature systems.
R-407A	Forane® 407A	Arkema	R-22	HFC Zeotropic blend	R-32 - 20% R-125 - 40% R-134a - 40%	1,770	POE	Replacement/retrofit for R-22 in DX systems. Used in medium and low temperature systems.
	Suva® 407A Klea® 407A	Dupont Ineos						
R-407C	Forane® 407C	Arkema	R-22	HFC Zeotropic blend	R-32 - 23% R-125 - 25% R-134a - 52%	1,525	POE	Replacement/retrofit for R-22 in DX systems. Used in residential A/C, medium, and low temperature systems.
	Suva® 407C Genetron® 407C	Dupont Honeywell						
R-134a	Forane® 134a	Arkema	R-12	HFC Single component fluid	R-134a -100%	1,300	POE PAG (auto)	Replacement/retrofit for R-12 and R-500 systems. Recommended retrofit for R-12 automotive A/C systems.
	Suva® 134a Genetron® 134a Klea® 134a	Dupont Honeywell Ineos						
R-404A	Forane® 404A	Arkema	R-502 R-22 R-402A R-408A	HFC Near-azeotropic blend	R-125 - 44% R-143a - 52% R-134a - 4%	3,260	POE	Replacement/retrofit for R-502 and R-22. Used in medium and low temperature systems.
R-507A	Forane® 507A	Arkema	R-502 R-22 R-402A R-408A	HFC Azeotropic blend	R-125 - 50% R-143a - 50%	3,300	POE	Replacement/retrofit for R-502 and R-22. Used in medium and low temperature refrigeration systems.
R-22	Forane® 22	Arkema		HCFC Single component fluid	R-22 - 100%	1,500	MO AB	Used in A/C, medium, and low temperature systems. Scheduled for phase-out.
	Freon® 22 Genetron® 22	Dupont Honeywell						
R-408A	Forane® 408A	Arkema	R-502	HCFC Near-azeotropic blend	R-125 - 7% R-143a - 46% R-22 - 47%	2,650	MO AB POE	Recommended retrofit for R-502 systems. Used in medium and low temperature systems.
	Suva® 408A Genetron® 408A	Dupont Honeywell						
R-409A	Forane® 409A	Arkema	R-12 R-500	HCFC Zeotropic blend	R-22 - 60% R-124 - 25% R-142b - 15%	1,290	MO AB POE	Recommended retrofit for R-12 /R-500 stationary DX systems. Used in medium and low temperature systems.
R-123	Forane® 123	Arkema	R-11	HCFC Single component fluid	R-123 -100%	90	MO AB POE	Used in Centrifugal Chillers. Scheduled for phase-out.
	Suva® 123 Genetron® 123	Dupont Honeywell						

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