

Product Information Guide

A-GAS[®]
TOGETHER WE CAN

A-G
RAPID REC

A-G
TOGETH

- Store in a well-ventilated area.
- Contains fluorinated greenhouse gases.
- Avoid release to the environment.
- Returnable / reusable cylinder; return to **A-GAS**
- Important – should be liquid charged only.

**In case of emergency
call 0800 73 11 444**

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www.agas.com

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A-GAS[®]
TOGETHER WE CAN

ASHRAE Number	Brand Names	ODP	GWP	Molecular Weight kg/mol	Boiling Point @ 1 bar °C	Critical Temperature (°C)	Critical Pressure (bar)	Safety Group Classification*	Compatible Oils /Lubricants**	Replacement for
R134a		0	1430	102	-26	101	41	A1	POE, PAG	R12, R22
R404A		0	3922	98	-46	72	37	A1	POE	R502, R22
R407A		0	2107	90	-45	82	45	A1	POE	R22, R404A
R407C		0	1774	86	-44	86	46	A1	POE	R22
R410A		0	2088	73	-53	73	50	A1	POE	R22, R13B1
R507		0	3985	99	-47	71	38	A1	POE	R502, R22
R407F	Genetron	0	1825	82	-46	83	48	A1	POE	R22, R404A, R407A
	Performax® LT									
R422D	Isceon MO29	0	2729	110	-43	80	39	A1	MO, POE, AB	R22
R437A	Isceon MO49+	0	1805	104	-29	96	41	A1	POE	R12
R417A	Isceon MO59	0	2346	107	-39	87	40	A1	MO, POE, AB	R22
R422A	Isceon MO79	0	3143	114	-47	72	38	A1	MO, AB, POE	R22, R502
	Isceon MO89	0	3805	114	-55	70	37	A1	MO, AB, POE	R13B1
R438A	Isceon MO99	0	2252	99	-42	85	43	A1	POE	R22
R426A	RS-24	0	1508	103	-29	101	41	A1	POE, PAG	R12
R424A	RS-44	0	2440	108	-39	89	40	A1	POE	R22
R434A	RS-45	0	3238	105	-45	78	39	A1	POE	R22
R442A	RS-50	0	1888	82	-47	82	48	A1	POE	R404A, R507A, R22
R428A	RS-52	0	2999	101	-47	73	38	A1	POE	R22, R502
R448A	Solstice® N40	0	1387	86	-46	84	47	A1	POE	R404A, R22
R450A	Solstice® N13	0	604	109	-23	104	38	A1	POE	R134a
R452B	Opteon® XL55	0	698	64	-51	77	52	A2L	POE	R410A
R454B	Opteon® XL41	0	467	63	-51	77	53	A2L	POE	R410A
R454C	Opteon® XL20	0	148	91	-46	82	43	A2L	POE	R404A, R22
R454A	Opteon® XL40	0	238	81	-48	79	50	A2L	POE	R404A
R455A	Soltice® L40X	0	145	88	-52	85.6	47	A2L	POE	R404A
R508B	SUVA 95	0	13396	96	-88	11	38	A1	POE	R503, R13
R1234ZE	Solstice® ZE	0	6	114	-19	109	36	A2L	Modified POE	
R1233ZD(E)		0	4.5	131	19	166	36	A1	Modified POE	
R449A	Opteon® XP40	0	1397	87	-46	82	44	A1	POE	R404A, R507A
R452A	Opteon® XP44	0	2140	104	-47	75	40	A1	POE	R404A, R507A
R513A	Opteon® XP10	0	631	108	-29	97	38	A1		R134A
R32		0	675	52	-52	78	54	A2L	POE	R410A
HFO1234yf	Soltice® yf	0	4	114	-30	95	34	A2L	Modified POE	R134a
R744 (CO ₂)	CO ₂	0	1	44	-57	31	74	A1	Modified POE	R134A, R404A
R717 (Ammonia)		0	0	17	-33	132	113	B2L	MO, POA	R22, R134A
R1270 (Propylene)	Care 45	0	2	42	-48	92	46	A3	MO, AB, POE	R22, R134a
R290 (Propane)	Care 40	0	3	44	-42	97	43	A3	MO, AB, POE	R22, R502
R600A (Iso-Butane)	Care 10	0	4	58	-12	135	36	A3	MO, AB, POE	R12, R134a

* A1: Non-Flammable and Lower Toxicity / A2: Lower Flammability and Lower Toxicity / A3: Higher Flammability and Lower Toxicity / B2L Lower Flammability and Higher Toxicity

** POE=Polyol ester oil. MO=Mineral oil. AB=Akylbenzene. PAG=Polyalkylene oil

The information contained within this website is for guidance only, for further system specific advice please call A-Gas directly