



GASCHECK G GAS TABLE

For indication only. If in doubt, please contact
info@ionscience.com, quoting chemical name, and CAS number

Gas Name	Trade Name	Formula	Molecular Weight	Gas Group
Air				
GAS GROUP 1			4	
GAS GROUP 2			120	
GAS GROUP 3			80	
GAS GROUP 4			50	
GAS GROUP 5			40	
Helium		He	4	1
Hydrogen		H ₂	2.02	1
Ammonia		NH ₃	17.03	2
Butane		C ₄ H ₁₀	58.12	2
Krypton		Kr	83.8	2
Methane		CH ₄	16.04	2
Neon		Ne	20.18	2
Sulfur dioxide		SO ₂	64.07	2
Sulfur hexa fluoride		SF ₆	146.06	2
Trichloromethane		CHCl ₃	119.38	2
1,1,2-Trichlorotrifluoroethane	R113	C ₂ Cl ₃ F ₃	187.37	2
1,2-Dichlorotetrafluoroethane	R114	C ₂ Cl ₂ F ₄	170.92	2
Dichlorodifluoromethane	R12	CCl ₂ F ₂	120.91	2
Bromotrifluoromethane	R1301	CBrF ₃	148.9	2
Chlorodifluoromethane	R22	CHF ₂ Cl	86.47	2
refrigerant R 502	R502	CHClF ₂ , CClF ₂ HCF ₃	111.6	2
Xenon		Xe	131.29	2
Acetone		C ₃ H ₆ O	46.07	3
Argon		Ar	39.95	3
refrigerant R 404a	R404a	R125:143a:134a = 44:52:4	97.6	3
refrigerant R 407c	R407c	R134a: R125: R32 = 40:40:20	86.2	3
refrigerant R 410a	R410a	R125:R32 = 50:50	72.6	3
refrigerant R 507	R507	CF ₃ CH ₃ :CF ₃ CHF ₂ = 50:50	104	3
refrigerant R 245FA	R245FA	CF ₃ CH ₂ CHF ₂	134	3
Boron trifluoride		BF ₃	67.81	3
Carbon dioxide		CO ₂	44.01	3
Deuterium oxide		D ₂ O	20.04	3
Diethyl ether		C ₄ H ₁₀ O	74.12	3
Ethanol		C ₂ H ₅ OH	46.07	3
Hexane		C ₆ H ₁₄	86.17	3
Hydrogen chloride		HCl	36.46	3
Hydrogen sulphide		H ₂ S	34.08	3
Methanol		CH ₄ O	32.04	3
Nitrous oxide		N ₂ O	44.01	3
Pentane		C ₅ H ₁₂	72.15	3
Perfluorocyclobutane	C318	C ₄ F ₈	200.03	3
Tetra fluoromethane	R14	CF ₄	88	3
Trichlorofluoromethane	R11	CFCI ₃	137.37	3
Water		H ₂ O	18.02	3
Acetylene		C ₂ H ₂	26.04	4
Ethane		C ₂ H ₆	32.08	4
Ethylene Oxide		C ₂ H ₄ O	54	4
Ethylene		C ₂ H ₄	28.05	4
Isobutane	R600a	C ₄ H ₁₀	58.12	4
Propane		C ₃ H ₈	44.09	4
Tetrafluoroethane	R134a	C ₂ H ₂ F ₄	102.03	4
Carbon monoxide		CO	28.01	5
Nitric oxide		NO	30.01	5
Nitrogen		N ₂	28.01	5
Oxygen		O ₂	32	5