

The following is a list of refrigerants which LS4000 can detectable

ASHRAE Number	Name	Formula	CAS number	GWP
R-12	Dichlorodifluoromethane	CCl ₂ F ₂	75-71-8	8100
R-22	Chlorodifluoromethane	CHClF ₂	75-45-6	1700
R-32				
R-50	Methane	CH ₄	74-82-8	
R-113	1,1,2-Trichlorotrifluoroethane	C ₂ F ₃ Cl ₃	76-13-1	
R-113a	1,1,1-Trichlorotrifluoroethane	C ₂ F ₃ Cl ₃	354-58-5	
R-121	1,1,2,2-Tetrachloro-1-fluoroethane	C ₂ HFCl ₄	354-14-3	
R-121a	1,1,1,2-Tetrachloro-2-fluoroethane	C ₂ HFCl ₄	354-11-0	
R-122	1,1,2-Trichloro-2,2-difluoroethane	C ₂ HF ₂ Cl ₃	354-21-2	
R-122a	1,1,2-Trichloro-1,2-difluoroethane	C ₂ HF ₂ Cl ₃	354-15-4	
R-122b	1,1,1-Trichloro-2,2-difluoroethane	C ₂ HF ₂ Cl ₃	354-12-1	
R-123	2,2-Dichloro-1,1,1-trifluoroethane	C ₂ HF ₃ Cl ₂	306-83-2	
R-123a	1,2-Dichloro-1,1,2-trifluoroethane	C ₂ HF ₃ Cl ₂	354-23-4	
R-123b	1,1-Dichloro-1,2,2-trifluoroethane	C ₂ HF ₃ Cl ₂	812-04-4	
R-124	2-Chloro-1,1,1,2-tetrafluoroethane	C ₂ HF ₄ Cl	2837-89-0	
R-124a	1-Chloro-1,1,2,2-tetrafluoroethane	C ₂ HF ₄ Cl	354-25-6	
R-125	Pentafluoroethane	C ₂ HF ₅	354-33-6	2.800
R-E125	Pentafluorodimethyl ether	C ₂ HF ₅ O	3822-68-2	
R-130	1,1,2,2-Tetrachloroethane	C ₂ H ₂ Cl ₄	79-34-5	
R-130a	1,1,1,2-Tetrachloroethane	C ₂ H ₂ Cl ₄	630-20-6	
R-131	1,1,2-Trichloro-2-fluoroethane	C ₂ H ₂ FCl ₃	359-28-4	
R-131a	1,1,2-Trichloro-1-fluoroethane	C ₂ H ₂ FCl ₃	811-95-0	
R-131b	1,1,1-Trichloro-2-fluoroethane	C ₂ H ₂ FCl ₃	2366-36-1	
R-132	Dichlorodifluoroethane	C ₂ H ₂ F ₂ Cl ₂	25915-78-0	
R-132a	1,1-Dichloro-2,2-difluoroethane	C ₂ H ₂ F ₂ Cl ₂	471-43-2	
R-132b	1,2-Dichloro-1,1-difluoroethane	C ₂ H ₂ F ₂ Cl ₂	1649-08-7	
R-132c	1,1-Dichloro-1,2-difluoroethane	C ₂ H ₂ F ₂ Cl ₂	1842-05-3	
R-132bB2	1,2-Dibromo-1,1-difluoroethane	C ₂ H ₂ Br ₂ F ₂	75-82-1	
R-133	1-Chloro-1,2,2-Trifluoroethane	C ₂ H ₂ F ₃ Cl	431-07-2	
R-133a	1-Chloro-2,2,2-Trifluoroethane	C ₂ H ₂ F ₃ Cl	75-88-7	
R-133b	1-Chloro-1,1,2-Trifluoroethane	C ₂ H ₂ F ₃ Cl	421-04-5	
R-134	1,1,2,2-Tetrafluoroethane	C ₂ H ₂ F ₄	359-35-3	1.000
R-134a	1,1,1,2-Tetrafluoroethane	C ₂ H ₂ F ₄	811-97-2	1.300
R-400	R-12/R-114 (60/40 wt%)	binary blend		
R-401A	R-22/R-152a/R-124 (53/13/34)			18
R-401B	R-22/R-152a/R-124 (61/11/28)			15
R-401C	R-22/R-152a/R-124 (33/15/52)			21

R-402A	R-125/R-290/R-22 (60/2/38)			1.680
R-402B	R-125/R-290/R-22 (38/2/60)			1.064
R-403A	R-290/R-22/R-218 (5/75/20)			1.400
R-403B	R-290/R-22/R-218 (5/56/39)			2.730
R-404A	R-125/R-143a/R-134a (44/52/4)			3.260
R-405A	R-22/R-152a/R-142b/R-C318 (45/7/5.5/42.5)			
R-406A	R-22/R-600a/R-142b (55/04/41)			0
R-407A	R-32/R-125/R-134a (20/40/40)			1.770
R-407B	R-32/R-125/R-134a (10/70/20)			2.285
R-407C	R-32/R-125/R-134a (23/25/52)			1.526
R-407D	R-32/R-125/R-134a (15/15/70)			1.428
R-407E	R-32/R-125/R-134a (25/15/60)			1.363
R-408A	R-125/R-143a/R-22 (7/46/47)			1.944
R-409A	R-22/R-124/R-142b (60/25/15)			0
R-409B	R-22/R-124/R-142b (65/25/10)			0
R-410A	R-32/R-125 (50/50)			1.725
R-410B	R-32/R-125 (45/55)			1.833
R-411A	R-1270/R-22/R-152a (1.5/87.5/11)			15
R-411B	R-1270/R-22/R-152a (3/94/3)			4
R-412A	R-22/R-218/R-142b (70/5/25)			350
R-413A	R-218/R-134a/R-600a (9/88/3)			1.774
R-414A	R-22/R-124/R-600a/R-142b (51/28.5/4.0/16.5)			0
R-414B	R-22/R-124/R-600a/R-142b (50/39/1.5/9.5)			0
R-415A	R-22/R-152a (82/18)			25
R-415B	R-22/R-152a (25/75)			105
R-416A	R-134a/R-124/R-600 (59/39.5/1.5)			767
R-417A	R-125/R-134a/R-600 (46.6/50.0/3.4)			1.955
R-418A	R-290/R-22/R-152a (1.5/96/2.5)			4
R-419A	R-125/R-134a/R-E170 (77/19/4)			2.403
R-420A	R-134a/R-142b (88/12)			1.144
R-421A	R-125/R-134a (58/42)			
R-421B	R-125/R-134a (85/15)			
R-422A	R-125/R-134a/R-600a (85.1/11.5/3.4)			
R-422B	R-125/R-134a/R-600a (55/42/3)			
R-422C	R-125/R-134a/R-600a (82/15/3)			
R-422D	R-125/R-134a/R-600a (65.1/31.5/3.4)			
R-423A	R-134a/R-227ea (52.5/47.5)			
R-424A	R-125/R-134a/R-600a/R-600/R-601a (50.5/47/9/1/6)			
R-425A	R-32/R-134a/R-227ea (18.5/69.5/12)			
R-426A	R-125/R-134a/R-600/R-601a (5.1/93/1.3/6)			
R-427A	R-32/R-125/R-143a/R-134a (15/25/10/50)			
R-428A	R-125/R-143a/R-290/R-600a (77.5/20/6/1.9)			
R-500	R-12/R-152a (73.8/26.2)			37
R-501	R-22/R-12 (75/25)			0
R-502	R-22/R-115 (48.8/51.2)			0

