

New F-Gas Regulation leak check requirement by refrigerant

Refrigerant Charge - Kg

Refrigerant	GWP (AR4)	5T CO2 Eq.	50T CO2 Eq.	500T CO2 Eq.
R-450A	605	8.3	82.7	827
R-513A	631	7.9	79.2	792
R-32	675	7.4	74.1	741
R-448A	1387	3.6	36.0	360
R-449A	1397	3.6	35.8	358
R-134a	1430	3.5	35.0	350
R-407C	1774	2.8	28.2	282
R-437A	1805	2.8	27.7	277
R-22	1810	2.7	27.6	276
R-407F	1825	2.7	27.4	274
R-410A	2088	2.4	24.0	240
R-407A	2107	2.4	23.7	237
R-452A	2141	2.3	23.4	234
R-438A	2265	2.2	22.1	221
R-423A	2280	2.2	21.9	219
R-417A	2346	2.1	21.3	213
R-424A	2440	2.0	20.5	205
R-422D	2729	1.8	18.3	183
R-422A	3143	1.6	15.9	159
R-434A	3245	1.5	15.4	154
R-125	3500	1.4	14.3	143
R-428A	3607	1.4	13.9	139
R-404A	3922	1.3	12.7	127
R-507	3985	1.3	12.5	125
R-508B	12420	0.4	4.0	40
R-23	14800	0.3	3.4	34
		<i>Every 12 months (24 months if fixed leak detection)</i>	<i>Every 6 months (12 months if fixed leak detection)</i>	<i>Every 6 months and must have fixed leak detection able to alert operator</i>

Note. All GWP values are calculated from values in Annex 1, 2 & 4 of the New F-Gas final text, using Ashrae stated compositions for the R number.