

**Regolamento (EU) 2024/573 Tabella riassuntiva valori GWP gas refrigeranti e TonCO<sub>2</sub>eq. per tipologia di confezione**

**Regulation (EU) 2024/573 Summary table refrigerant gas GWP values and TonCO<sub>2</sub>eq. by package type**

TIPO GAS GAS TYPE	TIPO RECIPIENTE PACKAGE TYPE	Capacità recipiente (lt) Package capacity (/lt)	Kg gas per recipiente kg of gas per package	GWP	Ton CO <sub>2</sub> Eq
R1233ZD	Bombola-cylinder 12,5 lt	12,5	12	3,88	0,05
R1233ZD	Bombola-cylinder 40 lt	40	40	3,88	0,16
R1233ZD	Fusto-Ton-Tank 920 lt	920	957	3,88	3,71
R1234YF	Bombola-cylinder 12,5-13 lt	12,5 - 13	10	0,50	0,01
R1234YF	Bombola-cylinder 12,5-13 lt	12,5 - 13	5	0,50	0,003
R1234YF	Bombola-cylinder 40 lt	40	35	0,50	0,02
R1234YF	Fusto-Ton-Tank 920 lt	920	864	0,50	0,43
R1234YF	Bombola-cylinder KryoSmart 1,1 lt	1,1	0,8	0,50	0,0004
R1234YF	Bombola-cylinder Kryobox 3,1 lt	3,1	3	0,50	0,002
R1234YF	Bombola-cylinder Kryobox 6 lt	6	5	0,50	0,003
R1234ZE AE&DE	Bombola-cylinder 12,5 lt	12,5	13	1,37	0,02
R1234ZE AE&DE	Bombola-cylinder 40 lt	40	40	1,37	0,05
R1234ZE AE&DE	Fusto-Ton-Tank 920 lt	920	890	1,37	1,22
R1234ZE REFRIG.	Bombola-cylinder 12,5 lt	12,5	13	1,37	0,02
R1234ZE REFRIG.	Bombola-cylinder 40 lt	40	40	1,37	0,05
R1234ZE REFRIG.	Fusto-Ton-Tank 920 lt	920	890	1,37	1,22
R125A	Fusto-Ton-Tank 920 lt	920	670	3500	2345,00
R134A	Bombola-cylinder 12,5 lt	12,5	12	1430	17,16
R134A	Bombola-cylinder 12,5 lt	12,5	13	1430	18,59
R134A	Bombola-cylinder KryonLight 22 lt	22	22	1430	31,46
R134A	Bombola-cylinder 40 lt	40	40	1430	57,20
R134A	Bombola-cylinder KryoBox 13,6 lt	13,6	10	1430	14,30
R134A	Bombola-cylinder KryoBox 13,6 lt	13,6	12	1430	17,16
R134A	Bombola-cylinder KryoBox 12,5 lt	12,5	12	1430	17,16
R134A	Bombola-cylinder KryoBox 12,5 lt	12,5	10	1430	14,30
R134A	Bombola-cylinder Kryobox 6,4 lt	6,4	5	1430	7,15
R134A	Bombola-cylinder KryoSmart 1,1 lt	1,1	0,9	1430	1,29
R134A	Bombola-cylinder KryoSmart 2,5 lt	2,5	2	1430	2,86
R134A	Fusto-Ton-Tank 920 lt	920	957	1430	1368,51
R134A - RIG.	Bombola-cylinder 12,5 lt	12,5	12	1430	17,16
R134A - RIG.	Bombola-cylinder 12,5 lt	12,5	13	1430	18,59
R134A - RIG.	Bombola-cylinder 40 lt	40	40	1430	57,20
R134A - RIG.	Fusto-Ton-Tank 920 lt	920	957	1430	1368,51
R23 - RIG.	Bombola-cylinder HP 14 lt	14	11	14800	162,80
R236FA	Bombola-cylinder 12,5 lt	12,5	15	9810	147,15
R236FA	Bombola-cylinder 40 lt	40	48	9810	470,88
R245FA	Bombola-cylinder 12,5 lt	12,5	15	1030	15,45
R245FA	Bombola-cylinder 40 lt	40	48	1030	49,44
R245FA	Fusto-Ton-Tank 920 lt	920	907	1030	934,21
R245FA - RIG.	Bombola-cylinder 40 lt	40	48	1030	49,44
R245FA - RIG.	Fusto-Ton-Tank 920 lt	920	907	1030	934,21
R290	Bombola-cylinder 12,5 lt	12,5	5	0,02	0,0001
R290	Bombola-cylinder 40 lt	40	17	0,02	0,0003
R290	Bombola-cylinder KryoSmart 1,1 lt	1,1	0,43	0,02	0,00001
R290	Fusto-Ton-Tank 920 lt	920	398	0,02	0,0080
R32	Bombola-cylinder 12,5 lt	12,5	9	675	6,08
R32	Bombola-cylinder 40 lt	40	31	675	20,93
R32	Bombola-cylinder KryoBox 13,6 lt	13,6	10	675	6,75
R32	Bombola-cylinder KryoBox 13,6 lt	13,6	9	675	6,08
R32	Bombola-cylinder Kryobox 6,4 lt	6,4	5	675	3,38
R32	Bombola-cylinder KryoSmart 1,1 lt	1,1	0,8	675	0,54
R32	Bombola-cylinder KryoSmart 2,5 lt	2,5	1,8	675	1,22
R32	Fusto-Ton-Tank 920 lt	920	670	675	452,25

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TIPO GAS GAS TYPE	TIPO RECIPIENTE PACKAGE TYPE	Capacità recipiente (lt) Package capacity (/lt)	Kg gas per recipiente kg of gas per package	GWP	Ton CO <sub>2</sub> Eq
R404A	Bombola-cylinder 12,5 lt	12,5	10	3922	39,22
R404A	Bombola-cylinder KryonLight 22 lt	22	18	3922	70,60
R404A	Bombola-cylinder 40 lt	40	32	3922	125,50
R404A	Bombola-cylinder Kryobox 13,6 lt	13,6	10	3922	39,22
R404A	Bombola-cylinder Kryobox 13,6 lt	13,6	10,8	3922	42,36
R404A	Bombola-cylinder Kryobox 12,5 lt	12,5	10	3922	39,22
R404A	Bombola-cylinder Kryobox 6,4 lt	6,4	5	3922	19,61
R404A	Bombola-cylinder KryoSmart 1,1 lt	1,1	0,75	3922	2,94
R404A	Bombola-cylinder KryoSmart 2,5 lt	2,5	2	3922	7,84
R404A	Fusto-Ton-Tank 920 lt	920	754	3922	2957,19
R404A - RIG.	Bombola-cylinder 12,5 lt	12,5	10	3922	39,22
R404A - RIG.	Bombola-cylinder KryonLight 22 lt	22	18	3922	70,60
R404A - RIG.	Bombola-cylinder 40 lt	40	32	3922	125,50
R404A - RIG.	Bombola-cylinder Kryobox 13,6 lt	13,6	10	3922	39,22
R404A - RIG.	Bombola-cylinder Kryobox 6,4 lt	6,4	5	3922	19,61
R404A - RIG.	Fusto-Ton-Tank 920 lt	920	754	3922	2957,19
R407A	Bombola-cylinder 12,5 lt	12,5	12	2107	25,28
R407A	Bombola-cylinder 40 lt	40	38	2107	80,07
R407A	Fusto-Ton-Tank 920 lt	920	883	2107	1860,48
R407C	Bombola-cylinder 12,5 lt	12,5	12	1774	21,29
R407C	Bombola-cylinder KryonLight 22 lt	22	20	1774	35,48
R407C	Bombola-cylinder 40 lt	40	38	1774	67,41
R407C	Bombola-cylinder Kryobox 13,6 lt	13,6	10	1774	17,74
R407C	Bombola-cylinder Kryobox 13,6 lt	13,6	12,5	1774	22,18
R407C	Bombola-cylinder Kryobox 12,5 lt	12,5	10	1774	17,74
R407C	Bombola-cylinder Kryobox 6,4 lt	6,4	5	1774	8,87
R407C	Bombola-cylinder KryoSmart 1,1 lt	1,1	0,85	1774	1,51
R407C	Bombola-cylinder KryoSmart 2,5 lt	2,5	2	1774	3,55
R407C	Fusto-Ton-Tank 920 lt	920	874	1774	1550,48
R407C - RIG.	Bombola-cylinder 12,5 lt	12,5	12	1774	21,29
R407C - RIG.	Bombola-cylinder 40 lt	40	38	1774	67,41
R407C - RIG.	Fusto-Ton-Tank 920 lt	920	874	1774	1550,48
R407F	Bombola-cylinder 12,5 lt	12,5	11	1825	20,08
R407F	Bombola-cylinder 40 lt	40	36	1825	65,70
R407F	Bombola-cylinder Kryobox 13,6 lt	13,6	12	1825	21,90
R407F	Bombola-cylinder Kryobox 6,4 lt	6,4	5	1825	9,13
R407F	Fusto-Ton-Tank 920 lt	920	846	1825	1543,95
R407F - RIG.	Bombola-cylinder 40 lt	40	36	1825	65,70
R407H	Bombola-cylinder 12,5 lt	12,5	11	1495	16,45
R407H	Bombola-cylinder 40 lt	40	36	1495	53,82
R408A - RIG.	Bombola-cylinder 12,5 lt	12,5	11	3152	34,67
R408A - RIG.	Bombola-cylinder 40 lt	40	35	3152	110,32
R409A - RIG.	Bombola-cylinder 12,5 lt	12,5	13	1909	24,82
R409A - RIG.	Bombola-cylinder 40 lt	40	42	1909	80,18
R410A	Bombola-cylinder 12,5 lt	12,5	11	2088	22,97
R410A	Bombola-cylinder KryonLight 22 lt	22	18	2088	37,58
R410A	Bombola-cylinder 40 lt	40	35	2088	73,08
R410A	Bombola-cylinder Kryobox 13,6 lt	13,6	10	2088	20,88
R410A	Bombola-cylinder Kryobox 13,6 lt	13,6	11,3	2088	23,59
R410A	Bombola-cylinder Kryobox 12,5 lt	12,5	10	2088	20,88
R410A	Bombola-cylinder Kryobox 6,4 lt	6,4	5	2088	10,44
R410A	Bombola-cylinder KryoSmart 1,1 lt	1,1	0,8	2088	1,67
R410A	Bombola-cylinder KryoSmart 2,5 lt	2,5	2	2088	4,18
R410A	Fusto-Ton-Tank 920 lt	920	791	2088	1651,61
R410A - RIG.	Bombola-cylinder 12,5 lt	12,5	11	2088	22,97
R410A - RIG.	Bombola-cylinder 40 lt	40	35	2088	73,08
R410A - RIG.	Fusto-Ton-Tank 920 lt	920	791	2088	1651,61
R413A	Bombola-cylinder 12,5 lt	12,5	12	2095	25,14
R413A	Bombola-cylinder 40 lt	40	40	2095	83,80

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TIPO GAS GAS TYPE	TIPO RECIPIENTE PACKAGE TYPE	Capacità recipiente (lt) Package capacity (/lt)	Kg gas per recipiente kg of gas per package	GWP	Ton CO <sub>2</sub> Eq
R417A	Bombola-cylinder 12,5 lt	12,5	12	2346	28,15
R417A	Bombola-cylinder 40 lt	40	38	2346	89,15
R417A	Bombola-cylinder Kryobox 13,6 lt	13,6	13	2346	30,50
R417A	Bombola Kryosmart 1,1 LT	1,1	0,9	2346	2,11
R417A	Bombola-cylinder KryoSmart 2,5 lt	2,5	2	2346	4,69
R417A	Fusto-Ton-Tank 920 lt	920	883	2346	2071,52
R422A	Bombola-cylinder 12,5 lt	12,5	11	3143	34,57
R422A	Bombola-cylinder 40 lt	40	35	3143	110,01
R422A	Bombola-cylinder Kryobox 13,6 lt	13,6	12	3143	37,72
R422A	Fusto-Ton-Tank 920 lt	920	809	3143	2542,69
R422B	Bombola-cylinder Kryobox 13,6 lt	13,6	10	2526	25,26
R422B	Bombola-cylinder Kryobox 6,4 lt	6,4	5	2526	12,63
R422B	Bombola-cylinder KryoSmart 1,1 lt	1,1	0,9	2526	2,27
R422B	Bombola-cylinder KryoSmart 2,5 lt	2,5	2	2526	5,05
R422D	Bombola-cylinder 12,5 lt	12,5	12	2729	32,75
R422D	Bombola-cylinder 40 lt	40	38	2729	103,70
R422D	Bombola-cylinder Kryobox 13,6 lt	13,6	13	2729	35,48
R422D	Bombola-cylinder Kryobox 13,6 lt	13,6	10	2729	27,29
R422D	Bombola-cylinder Kryobox 6,4 lt	6,4	5	2729	13,65
R422D	Bombola-cylinder KryoSmart 1,1 lt	1,1	0,9	2729	2,46
R422D	Bombola-cylinder KryoSmart 2,5 lt	2,5	2	2729	5,46
R422D	Fusto-Ton-Tank 920 lt	920	874	2729	2385,15
R422D - RIG.	Bombola-cylinder 12,5 lt	12,5	12	2729	32,75
R422D - RIG.	Bombola-cylinder 40 lt	40	38	2729	103,70
R422D - RIG.	Bombola-cylinder Kryobox 13,6 lt	13,6	10	2729	27,29
R422D - RIG.	Bombola Kryobox 6,4 LT	6,4	5	2729	13,65
R422D - RIG.	Fusto-Ton-Tank 920 lt	920	874	2729	2385,15
R427A	Bombola-cylinder 12,5 lt	12,5	12	2138	25,66
R427A	Bombola-cylinder 40 lt	40	38	2138	81,24
R427A	Fusto-Ton-Tank 920 lt	920	846	2138	1808,75
R434A - RIG.	Bombola-cylinder 12,5 lt	12,5	11	3234	35,57
R434A - RIG.	Bombola-cylinder 40 lt	40	36	3234	116,42
R434A - RIG.	Fusto-Ton-Tank 920 lt	920	830	3234	2684,22
R437A	Bombola-cylinder 12,5 lt	12,5	12	1805	21,66
R437A	Bombola-cylinder 40 lt	40	40	1805	72,20
R437A	Bombola-cylinder Kryobox 13,6 lt	13,6	13	1805	23,47
R437A	Bombola-cylinder Kryobox 6,4 lt	6,4	5	1805	9,03
R437A	Bombola-cylinder KryoSmart 1,1 lt	1,1	0,9	1805	1,62
R437A	Fusto-Ton-Tank 920 lt	920	936	1805	1689,48
R438A	Bombola-cylinder 12,5 lt	12,5	12	2264	27,17
R438A	Bombola-cylinder 40 lt	40	38	2264	86,03
R438A	Bombola-cylinder Kryobox 13,6 lt	13,6	10	2264	22,64
R438A	Bombola-cylinder Kryobox 12,5 lt	12,5	10	2264	22,64
R448A	Bombola-cylinder 12,5 lt	12,5	11	1386	15,25
R448A	Bombola-cylinder KryonLight 22 lt	22	20	1386	27,72
R448A	Bombola-cylinder 40 lt	40	36	1386	49,90
R448A	Bombola-cylinder Kryobox 13,6 lt	13,6	10	1386	13,86
R448A	Bombola-cylinder Kryobox 13,6 lt	13,6	11	1386	15,25
R448A	Bombola Kryobox 6,4 LT	6,4	5	1386	6,93
R448A	Fusto-Ton-Tank 920 lt	920	846	1386	1172,56
R448A RIG.	Bombola-cylinder 40 lt	40	36	1386	49,90
R449A	Bombola-cylinder 12,5 lt	12,5	10	1396	13,96
R449A	Bombola-cylinder KryonLight 22 lt	22	20	1396	27,92
R449A	Bombola-cylinder 40 lt	40	35	1396	48,86
R449A	Bombola-cylinder Kryobox 13,6 lt	13,6	10	1396	13,96
R449A	Bombola-cylinder Kryobox 12,5 lt	12,5	10	1396	13,96
R449A	Bombola-cylinder Kryobox 6,4 lt	6,4	5	1396	6,98
R449A	Fusto-Ton-Tank 920 lt	920	780	1396	1088,88
R449A RIG.	Bombola-cylinder 40 lt	40	35	1396	48,86

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TIPO GAS GAS TYPE	TIPO RECIPIENTE PACKAGE TYPE	Capacità recipiente (lt) Package capacity (/lt)	Kg gas per recipiente kg of gas per package	GWP	Ton CO <sub>2</sub> Eq
R450A	Bombola-cylinder 12,5 lt	12,5	12	601	7,21
R450A	Bombola-cylinder 40 lt	40	40	601	24,04
R450A	Fusto-Ton-Tank 920 lt	920	929	601	558,33
R452A	Bombola-cylinder 12,5 lt	12,5	10	2139	21,39
R452A	Bombola-cylinder KryonLight 22 lt	22	20	2139	42,78
R452A	Bombola-cylinder 40 lt	40	35	2139	74,87
R452A	Bombola-cylinder KryoBox 13,6 lt	13,6	10	1396	13,96
R452A	Bombola-cylinder KryoBox 12,5 lt	12,5	10	1396	13,96
R452A	Bombola-cylinder Kryobox 6,4 lt	6,4	5	2139	10,70
R452A	Fusto-Ton-Tank 920 lt	920	800	2139	1711,20
R452B	Bombola-cylinder 12,5 lt	12,5	10	697	6,97
R452B	Bombola-cylinder 40 lt	40	33	697	23,00
R452B	Fusto-Ton-Tank 920 lt	920	705	697	491,39
R454A	Bombola-cylinder 12,5 lt	12,5	10	237	2,37
R454A	Bombola-cylinder 40 lt	40	32	237	7,58
R454A	Fusto-Ton-Tank 920 lt	920	750	237	177,75
R454B	Bombola-cylinder 12,5 lt	12,5	11	465	5,12
R454B	Bombola-cylinder 40 lt	40	35	465	16,28
R454B	Fusto-Ton-Tank 920 lt	920	800	465	372,00
R454C	Bombola-cylinder 12,5 lt	12,5	10	146	1,46
R454C	Bombola-cylinder 40 lt	40	33	146	4,82
R454C	Fusto-Ton-Tank 920 lt	920	750	146	109,50
R455A	Bombola-cylinder 12,5 lt	12,5	11	146	1,61
R455A	Bombola-cylinder 40 lt	40	35	146	5,11
R455A	Fusto-Ton-Tank 920 lt	920	798	146	116,51
R456A	Bombola-cylinder 12,5 lt	12,5	12	685	8,22
R456A	Bombola-cylinder 40 lt	40	40	685	27,40
R456A	Bombola KRYOBOX 13,6 LT	13,6	12	685	8,22
R507	Bombola-cylinder 12,5 lt	12,5	10	3985	39,85
R507	Bombola-cylinder 40 lt	40	32	3985	127,52
R507	Bombola-cylinder KryoBox 13,6 lt	13,6	10,7	3985	42,64
R507	Bombola-cylinder KryoSmart 1,1 lt	1,1	0,75	3985	2,99
R507	Bombola-cylinder KryoSmart 2,5 lt	2,5	2	3985	7,97
R507	Fusto-Ton-Tank 920 lt	920	745	3985	2968,83
R507 - RIG.	Bombola-cylinder 12,5 lt	12,5	10	3985	39,85
R507 - RIG.	Bombola-cylinder 40 lt	40	32	3985	127,52
R507 - RIG.	Fusto-Ton-Tank 920 lt	920	745	3985	2968,83
R508B	Bombola-cylinder HP 14 lt	14	9,08	13396	121,64
R513A	Bombola-cylinder 12,5 lt	12,5	12	629	7,55
R513A	Bombola-cylinder 40 lt	40	38	629	23,90
R513A	Bombola-cylinder KryoBox 13,6 lt	13,6	12	629	7,55
R513A	Fusto-Ton-Tank 920 lt	920	840	629	528,36
R515B	Bombola-cylinder 12,5 lt	12,5	12	288	3,46
R515B	Bombola-cylinder 40 lt	40	40	288	11,52
R515B	Fusto-Ton-Tank 920 lt	920	900	288	259,20
R600a	Bomboletta-can aerosol 1 lt	1	0,42	0	0,00
R744	Bombola-cylinder HP 14 lt	14	10	1	0,01
R744	Bombola-cylinder HP 27 lt	27	20	1	0,02
R744	Bombola-cylinder HP 40 lt	40	30	1	0,03
R744	Pacco bombole-bundle HP	480	360	1	0,36