

REFRIGERANT SERVICES Inc.



MAXIMUM SAFE FILL LIMIT GUIDE FOR REFRIGERANT RECOVERY CYLINDERS Based on 80% Full By Volume

REFRIGERANT TYPE	CYLINDER SIZE IN WATER CAPACITY LBS & KGS									
	26.2 Lb	11.9 Kg	47.1 Lb	21.6 Kg	92.5 Lb	41.9 Kg	239 Lb	108 Kg	1000 Lb	454 Kg
	Lb	Kg	Lb	Kg	Lb	Kg	Lb	Kg	Lb	Kg
R-11	30	13.6	55	25	108	49	281	127	1176	533.9
R-113	30	13.6	55	25	108	49	281	127	1176	533.9
R-114	30	13.6	55	25	108	49	281	127	1176	533.9
R-12	28	12.6	50	26	99	44	256	115	1072	486.6
R-123	30	13.6	55	25	108	49	281	127	1176	533.9
R-134a	25	11.5	45	21	90	40	233	105	976	443.1
R-22	25	11.5	45	21	89.5	40.5	231	104	968	439.4
R-401A (MP39)	24	11.4	44	20.6	88	39.9	227	102.8	952	432.2
R-401B (MP66)	24	11.4	44	20.6	88	39.9	227	102.8	952	432.2
R-402A (HP80)	23	10.8	43	19.7	84.3	38.2	218	98.5	912	414
R-404A	22.6	10.3	40.6	18.6	80	36.2	206.5	93.3	864	392
R-407A	24.5	11.1	44	20.2	86.6	39.2	223.7	101	936	424.9
R-407C	24.3	11	43.7	20	85.8	38.8	221.8	100.2	928	421.3
R-408A (FX10)	22.2	10.1	39.9	18.3	78.4	35.5	202.6	91.5	848	385
R-409A (FX56)	25	11.6	45	21	89.5	40.5	231	104	968	439.4
R-410A	22.6	10.3	40.6	18.6	80	36.2	206.5	93.3	864	392
R-414B (HOTSHOT)	22.2	10.1	39.9	18.3	78.4	35.5	202.6	91.5	848	385
R-417A (MO59)	22.2	10.1	39.9	18.3	78.4	35.5	202.6	91.5	848	385
R-422B (NU22B)	24.3	11	43.7	20	85.8	38.8	221.8	100.2	928	421.3
R-422D (MO29)	24.1	10.9	43.3	19.8	85.1	38.5	219.8	99.3	920	417.6
R-424A (RS-44)	24.3	11	43.7	20	85.8	38.8	221.8	100.2	928	421.3
R-426A (RS-24)	24	11.4	44.8	20.6	88	39.9	227	102.8	952	432.2
R-428A (RS-52)	22	10	39.5	18.1	77.7	35.2	200.7	90.7	840	381.3
R-434A (RS-45)	22.8	10.3	41	18.8	80.6	36.5	208	94.1	872	395.9
R-438A (MO99)	23.8	10.8	43	19.7	84.3	38.2	218	98.5	912	414
R-500	24.3	11	43.7	20	85.8	38.8	221.8	100.2	928	421.3
R-502	26.4	12	47.4	21.7	93.2	42.2	241	108.8	1008	457.6
R-507A	22.4	10.2	40.3	18.5	79.1	35.8	204.5	92.4	856	388.6

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