



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		
R-11	Lb	Kg	Lb	Kg	Lb	Kg	Lb	Kg	Lb	Kg		
	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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