

section 10 oils & refrigerants

MINERAL OILS	10.1
POLYOLESTER (POE) OILS	10.1
PAO OILS	10.1
VACUUM PUMP OILS	10.2
UNIVERSAL FLUSH FLUIDS	10.2
TEST KITS	10.2
REFRIGERANTS	10.3
CYLINDER FILL RATIO	10.4
TEMPERATURE CHARTS	10.5

MINERAL OILS



REECE CODE	DESCRIPTION
2700002	3GS SUNISO MINERAL REFRIG OIL (4LT)
2700000	3GS SUNISO MINERAL REFRIG OIL (20LT)
2700001	3GS SUNISO MINERAL REFRIG OIL (205LT)
2700004	4GS SUNISO MINERAL REFRIG OIL (4LT)
2700003	4GS SUNISO MINERAL REFRIG OIL (20LT)
2700018	4GS SUNISO MINERAL REFRIG OIL (205LT)
2700005	4SA SUNISO AMMONIA OIL (20LT)
2700006	4SA SUNISO AMMONIA OIL (205LT)

SUNISO OIL GRADE	APPLICATION
3GS	All new Compressors during the run-in period of less than 3.5kW (1 Ton) capacity. All low temperature applications with suction temperature of approximately -40°C and below. For use with fluorinated refrigerants, ammonia and all other refrigerants. Also for use with screw compressors.
4GS	All fully run-in Compressors (other than ammonia) of 3.5kW (1 Ton) capacity and over, and employed on normal applications with suction temperature of -40°C and higher.
4SA	All Ammonia Compressors (run-in) of 3.5kW (1 Ton) capacity and over and employed on normal applications with suction temperature of -40°C and higher and including some Screw Compressors.

POLYOLESTER (POE) OILS



REECE CODE	DESCRIPTION
2700034	SEZ32 RENISO ESTER REFRIG OIL (1LT)
2700035	SEZ32 RENISO ESTER REFRIG OIL (5LT)
2700038	SUNISO T32 POE REFRIG OIL (1LT)
2700039	SUNISO T32 POE REFRIG OIL (4LT)
2700040	SUNISO T32 POE REFRIG OIL (20LT)
2700041	SUNISO T68 POE REFRIG OIL (1LT)
2700042	SUNISO T68 POE REFRIG OIL (4LT)
2700043	SUNISO T68 POE REFRIG OIL (20LT)

PAO OILS



REECE CODE	DESCRIPTION
2700531	ERG1000 P.A.O. REFRIGERATION OIL (1LT)
2700532	ERG1000 P.A.O. REFRIGERATION OIL (4LT)
2702665	PAO REFRIG OIL S1 ISO68 (1LT)
2702666	PAO REFRIG OIL S1 ISO68 (5LT)
2702667	PAO REFRIG OIL S1 ISO68 (20LT)

VACUUM PUMP OILS



REECE CODE	DESCRIPTION
2704370	ROTHENBERGER VACUUM PUMP OIL (1L)
2700008	R31 SUNISO VACUUM PUMP OIL (4LT)
2700184	#15 JAVAC GEN PURPOSE VAC PUMP OIL (1LT)
2700191	JAVAC SHARK VAC PUMP OIL (1LT)
2700192	JAVAC SHARK VAC PUMP OIL (5LT)
2702660	MVP VACUUM PUMP OIL (1LT)
2702661	MVP VACUUM PUMP OIL (5LT)

UNIVERSAL FLUSH FLUIDS



REECE CODE	DESCRIPTION
2700536	UNIVERSAL FLUSHING AGENT (5LT)
2700533	UNIVERSAL FLUSHING AGENT (20LT)
2702662	SST REFRIG FLUSHING LIQUID (1LT)
2702663	SST REFRIG FLUSHING LIQUID (5LT)
2702664	SST REFRIG FLUSHING LIQUID (20LT)

TEST KITS



REECE CODE	DESCRIPTION
2701970	TA-1 SPORLAN UNIVERSAL ACID TEST KIT
2700036	ALM WEAR & ACID OIL SAMPLE KIT

REFRIGERANTS



REECE CODE	DESCRIPTION	
2705583	R22 REFRIGERANT GAS	12KG
2705584	R22 REFRIGERANT GAS	22KG
2705585	R22 REFRIGERANT GAS	65KG
2705586	R134A REFRIGERANT GAS	12KG
2705587	R134A REFRIGERANT GAS	22KG
2705588	R134A REFRIGERANT GAS	65KG
2705589	R404A REFRIGERANT GAS	8KG
2705590	R404A REFRIGERANT GAS	20KG
2705591	R404A REFRIGERANT GAS	57KG
2705592	R407C REFRIGERANT GAS	9KG
2705593	R407C REFRIGERANT GAS	20KG
2705594	R407C REFRIGERANT GAS	60KG
2705595	R410A REFRIGERANT GAS	8KG
2705596	R410A REFRIGERANT GAS	16KG
2705597	R410A REFRIGERANT GAS	57KG
2705598	R507 REFRIGERANT GAS	8KG
2705599	R507 REFRIGERANT GAS	18KG
2705600	R507 REFRIGERANT GAS	57KG
2705521	R134A+UV REFRIGERANT	12KG
2705522	R134A+UV REFRIGERANT	22KG
2705523	R134A+UV REFRIGERANT	65KG
2705605	SP34E+ REFRIGERANT GAS	12KG
2705606	SP34E+ REFRIGERANT GAS	22KG
2705607	SP34E+ REFRIGERANT GAS	65KG
2705608	SP22 REFRIGERANT GAS	10KG
2705609	SP22 REFRIGERANT GAS	22KG
2705610	SP22 REFRIGERANT GAS	65KG
2705612	OS12A/ER12 HYDROCARBON GAS	9KG
2705613	OS12A/ER12 HYDROCARBON GAS	30KG
2705615	R290 HYDROCARBON GAS	9KG
2705616	R290 HYDROCARBON GAS	30KG
2705618	R600A HYDROCARBON GAS	9KG
2705619	R600A HYDROCARBON GAS	30KG
2705604	PUMP DOWN CYLINDER CLEANING FEE	22KG
2705635	PUMP DOWN CYLINDER CLEANING FEE	65KG
2705638	RECLAIM REFRIGERANT CYLINDER	12KG
2702626	RECLAIM REFRIGERANT CYLINDER	22KG



The Reece GasTrack System allows for accurate tracking and reporting of refrigerant gas bottle transactions.

You will be able to request a report detailing how much gas has been purchased on your account. This allows you to easily keep track of all your refrigerant transactions.

CYLINDER FILL RATIO (KG)

RECLAIM CYLINDER CAPACITY (KG)				
REFRIGERANT	FILL RATIO	12	22	65
R22	1.03	9.89	18.13	53.56
R134A	1.05	10.08	18.48	54.60
R410A	0.80	7.68	14.08	41.60
R404A	0.90	8.64	15.84	46.80
R507	0.90	8.64	15.84	46.80
R407C	0.95	9.12	16.72	49.40

Use the chart above to determine the safe fill volume for a reclaim cylinder (80% of maximum)

Temp °C	R22		R134a		R507		R410A		R404A		R404A		R407C		R407C	
	Saturated Conditions								Bubble		Dew		Bubble		Dew	
	kPa	psi	kPa	psi	kPa	psi	kPa	psi	kPa	psi	kPa	psi	kPa	psi	kPa	psi
-40	4	0.6	-50	-7.3	37	5.4	73	10.7	34	4.9	30	4.3	19	2.7	-16	-2.3
-38	14	2.0	-45	-6.5	50	7.3	90	13.0	47	6.8	42	6.1	30	4.4	-7	-1.0
-36	25	3.6	-38	-5.6	64	9.3	108	15.6	60	8.7	55	8.0	43	6.2	3	0.5
-34	37	5.3	-32	-4.6	79	11.4	126	18.3	75	10.8	69	10.1	56	8.2	14	2.0
-32	49	7.1	-25	-3.6	95	13.7	147	21.2	90	13.0	85	12.3	71	10.2	25	3.6
-30	63	9.1	-17	-2.5	111	16.2	168	24.4	106	15.4	101	14.6	86	12.4	37	5.4
-28	77	11.1	-9	-1.3	129	18.8	191	27.7	124	18.0	118	17.1	102	14.8	51	7.3
-26	92	13.4	0	0.0	148	21.5	215	31.2	143	20.7	137	19.8	119	17.3	65	9.4
-24	108	15.7	10	1.4	169	24.5	241	35.0	162	23.6	156	22.6	138	20.0	80	11.6
-22	126	18.2	20	2.9	190	27.6	269	39.0	183	26.6	177	25.6	158	22.9	96	13.9
-20	144	20.9	31	4.6	213	30.9	298	43.2	206	29.8	199	28.8	179	25.9	113	16.4
-18	163	23.7	43	6.3	237	34.4	329	47.7	229	33.3	222	32.2	201	29.1	132	19.1
-16	184	26.7	56	8.1	263	38.1	362	52.4	254	36.9	247	35.8	224	32.5	152	22.0
-14	206	29.9	69	10.1	290	42.0	396	57.5	281	40.7	273	39.6	249	36.1	172	25.0
-12	229	33.2	84	12.2	318	46.1	433	62.8	308	44.7	300	43.6	276	40.0	195	28.2
-10	253	36.8	99	14.4	348	50.5	471	68.4	338	49.0	329	47.8	303	44.0	218	31.7
-8	279	40.5	116	16.8	379	55.0	512	74.2	369	53.5	360	52.2	333	48.3	244	35.3
-6	306	44.4	133	19.3	413	59.9	555	80.5	401	58.2	392	56.9	364	52.7	270	39.2
-4	335	48.6	151	21.9	448	64.9	600	87.0	435	63.1	426	61.8	396	57.5	298	43.3
-2	365	52.9	171	24.8	484	70.2	647	93.8	471	68.3	462	67.0	430	62.4	328	47.6
0	397	57.5	191	27.8	523	75.8	697	101.1	509	73.8	499	72.4	467	67.7	359	52.1
2	430	62.3	213	30.9	563	81.6	749	108.6	548	79.5	538	78.1	504	73.2	392	56.9
4	465	67.4	236	34.3	605	87.8	804	116.5	590	85.5	579	84.0	544	78.9	427	62.0
6	501	72.7	261	37.8	649	94.2	861	124.8	633	91.8	622	90.3	586	85.0	464	67.3
8	540	78.3	286	41.5	696	100.9	921	133.5	678	98.4	667	96.8	629	91.3	503	72.9
10	580	84.1	313	45.4	744	107.9	983	142.6	726	105.3	714	103.6	675	97.9	544	78.8
12	621	90.1	342	49.6	794	115.2	1049	152.2	775	112.4	764	110.8	723	104.8	586	85.0
14	665	96.5	372	53.9	847	122.9	1118	162.1	827	119.9	815	118.2	773	112.1	631	91.5
16	711	103.1	403	58.4	902	130.9	1189	172.5	881	127.8	869	126.0	825	119.7	678	98.4
18	759	110.1	436	63.2	960	139.2	1264	183.3	937	135.9	925	134.1	879	127.6	727	105.5

Temp °C	R22		R134a		R507		R410A		R404A		R404A		R407C		R407C	
	Saturated Conditions															
			Bubble		Dew		Bubble		Dew		Bubble		Dew			
	kPa	psi	kPa	psi	kPa	psi	kPa	psi	kPa	psi	kPa	psi	kPa	psi	kPa	psi
20	809	117.3	470	68.2	1020	147.9	1342	194.6	996	144.4	983	142.6	936	135.8	779	113.0
22	861	124.8	507	73.5	1082	156.9	1423	206.4	1057	153.3	1044	151.4	995	144.4	833	120.8
24	915	132.7	544	79.0	1147	166.3	1507	218.6	1120	162.5	1107	160.6	1057	153.3	889	129.0
26	971	140.8	584	84.7	1214	176.1	1595	231.4	1187	172.1	1173	170.2	1121	162.7	949	137.6
28	1030	149.3	626	90.7	1284	186.3	1687	244.7	1255	182.1	1242	180.1	1188	172.3	1010	146.5
30	1091	158.2	669	97.0	1357	196.9	1782	258.5	1327	192.5	1313	190.4	1258	182.4	1075	155.9
32	1154	167.4	714	103.6	1433	207.9	1881	272.9	1401	203.2	1387	201.2	1330	192.9	1142	165.6
34	1220	176.9	761	110.4	1512	219.3	1984	287.8	1479	214.4	1464	212.4	1405	203.8	1212	175.8
36	1288	186.8	810	117.6	1594	231.2	2091	303.3	1559	226.1	1544	224.0	1483	215.1	1285	186.3
38	1359	197.1	862	125.0	1679	243.5	2202	319.4	1642	238.1	1627	236.0	1564	226.8	1361	197.4
40	1432	207.7	915	132.7	1767	256.2	2317	336.1	1728	250.6	1713	248.5	1648	239.0	1440	208.9
42	1508	218.8	971	140.8	1858	269.5	2437	353.5	1818	263.6	1803	261.5	1735	251.6	1522	220.8
44	1587	230.2	1029	149.2	1953	283.2	2561	371.4	1910	277.1	1895	274.9	1825	264.7	1608	233.2
46	1669	242.1	1089	157.9	2051	297.5	2690	390.1	2006	291.0	1991	288.8	1918	278.2	1697	246.2
48	1754	254.4	1152	167.0	2153	312.2	2823	409.5	2106	305.5	2091	303.3	2015	292.2	1790	259.6
50	1841	267.1	1217	176.5	2258	327.5	2962	429.5	2209	320.4	2194	318.3	2115	306.7	1886	273.6
52	1932	280.2	1284	186.2	2367	343.3	3105	450.3	2316	335.9	2301	333.8	2218	321.7	1987	288.1
54	2026	293.8	1354	196.4	2480	359.8	3254	471.9	2427	352.0	2412	349.9	2325	337.2	2091	303.2
56	2123	307.9	1427	207.0	2598	376.8	3408	494.2	2542	368.6	2527	366.5	2436	353.3	2199	318.9
58	2223	322.4	1502	217.9	2719	394.4	3567	517.4	2660	385.9	2646	383.8	2550	369.8	2311	335.2
60	2326	337.4	1580	229.2	2845	412.7	3733	541.4	2783	403.7	2770	401.7	2668	387.0	2427	352.1
62	2433	352.9	1661	241.0	2976	431.6	3905	566.3	2911	422.2	2898	420.3	2790	404.6	2548	369.6
64	2543	368.9	1745	253.2	3112	451.3	4083	592.2	3043	441.4	3031	439.6	2916	422.9	2674	387.8
66	2657	385.4	1832	265.8	3253	471.8	4268	619.0	3180	461.3	3169	459.6	3045	441.7	2805	406.8
68	2775	402.4	1922	278.8	3400	493.1	4460	646.9	3323	482.0	3312	480.4	3179	461.1	2940	426.4
70	2896	420.0	2015	292.3	3554	515.5	4660	675.9	3471	503.4	3463	502.2	3318	481.2	3081	446.9
72	3021	438.2	2112	306.3	-	-	-	-	3625	525.8	3622	525.4	3460	501.8	3228	468.1
74	3150	456.9	2212	320.8	-	-	-	-	-	-	-	-	3607	523.1	3380	490.2
76	3283	476.2	2315	335.7	-	-	-	-	-	-	-	-	3758	545.0	3539	513.3
78	3421	496.1	2422	351.2	-	-	-	-	-	-	-	-	3913	567.5	3705	537.4
80	3562	516.7	2532	367.2	-	-	-	-	-	-	-	-	4072	590.7	3879	562.7