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SELECTOR GUIDE

Solvent Recycling Equipment

Follow these steps to select LS series solvent recycling systems:

1. **Locate your solvent(s)**
2. **Estimate your volume of contaminated solvent**
3. **Determine model code**
4. **Select from Equipment Guide**

Equipment Guide:

Code	Model	Gallons per 8-hour Shift	Standard 100-320oF 38-160oC Boiling Point	Vacuum 100-500oF 38-260oC Boiling Point
A	LSJR	3 to 5	X	
	LS-15E	15	X	
B	LS-55E	55	X	
C	LS-JRV	3 to 5		X
	LS-15VE	15		X
D	LS-55VE	55		X

ALCOHOLS	Lbs. per Gallon at 68°F	Boiling Range		Distillation Model Gallons per 40-Hour Week	
		°F	°C	0 -75	150 - 500
Methanol	6.61	147-151	64-65	A	B
Ethanol, Anhydrous	6.59	171-176	75-81	A	B
Ethanol, 95%	6.76	166-175	74-79	A	B
Isopropanol, 99%	6.55	179-181	80-81	A	B
n-Propanol	6.74	207-208	96-98	A	B
Isobutyl Alcohol	6.72	255-232	107-109	A	B
n-Butyl Alcohol	6.75	239-245	116-118	A	B
sec-Butyl Alcohol	6.73	208-214	97-102	A	B
Amyl Alcohol (Mixed Isomers)	6.76	230-293	110-145	A	B
Cyclohexanol	7.91	320-324	160-163	C	D
n-Hexanol	6.83	307-320	153-160	C	D
Ethylene Glycol	9.29	388-392	198-200	C	D

ALIPHATIC PETROLEUM	Lbs. per Gallon at 68°F	Boiling Range		LS Model Gallons per 40-Hour Week	
		°F	°C	0 - 75	150 - 500
n-Pentane	5.22	91-106	33-41	A	B
Textile Spirits	5.75	145-175	63-79	A	B
n-Hexane	5.51	151-160	65-70	A	B
n-Heptane	5.71	196-214	91-101	A	B
VM&P Naphtha	6.29 @ 60°F	236-292	113-144	A	B
Hi-Flash VM&P Naphtha	6.33 @ 60°F	240-320	116-160	A	B
Naphthol Mineral Spirits	6.34 @ 60°F	307-340	153-171	C	D
Mineral Spirits No. 10	6.51 @ 60°F	307-385	153-196	C	D
Stoddard Solvent	6.47 @ 60°F	310-388	154-198	C	D
Mineral Spirits	6.58 @ 60°F	314-390	157-199	C	D
Varsol-1	6.58 @ 60°F	322-336	161-169	C	D
Hi-Flash Mineral Spirits	6.61 @ 60°F	325-399	163-203	C	D
Odorless Mineral Spirits	6.31 @ 60°F	352-398	190-262	C	D
Kerosene	6.77 @ 60°F	374-503	190-262	C	D

AROMATICS	Lbs. per Gallon at 68°F	Boiling Range		LS Model Gallons per 40-Hour Week	
		°F	°C	0 - 75	150 -500
Toluol (Toluene)	7.20	228-232	109-111	A	B
Xylol (Xylene, Mixed Isomers)	7.17	261-318	127-159	C	D
Hi-Flash Coal Tar Naphtha	7.12 @ 60°F	293-392	145-199	C	D
m-Cresol	8.66	396-406	202-207	C	D

CHLORINATED HYDROCARBONS	Lbs. per Gallon at 68°F	Boiling Range		LS Model Gallons per 40-Hour Week	
		°F	°C	0 - 75	150 - 500
n-Propyl Chloride	7.43	113-117	45-47	A	B
Isopropyl Chloride	7.17	94-104	34-40	A	B
Methylene Chloride	11.07	102-106	39-40	A	B
Dichloroethylene 1.1	10.43 @ 59°F	99	37	A	B
Ethylene Dichloride	10.45	180-183	82-84	A	B
Monochlorobenzene	9.23	266-273	131-133	A	B
Propylene Dichloride	9.65	204-208	95-98	A	B
Chloroform	12.43	142	61	A	B
Trichloroethylene	12.22	188-198	87-92	A	B
Trichloroethane 1,1,1 (Methyl Chloroform)	12.22	165	74	A	B
Trichloroethane 1,12	12.04	230-239	110-115	A	B
Ortho Dichlorobenzene	10.89	351-361	177-183	C	D
1, 2, 3 Trichloropropane	11.59	313-317	156-158	A	B
Carbon Tetrachloride	13.30	171-172	76-78	A	B
Perchloroethylene	13.55	250-254	120-122	A	B
Tetrachloroethane (Symmetrical)	13.35	295-297	146-147	A	B
Tetrachloroethane (Unsymmetricall)	13.25	264-267	129-131	A	B
Trichlorobenzene	12.15 @ 70°F	415-423	209-217	C	D

ESTERS	Lbs. per Gallon at 68°F	Boiling Range		LS Model Gallons per 40-Hour Week	
		°F	°C	0 - 75	150 -500
Methyl Acetate	7.58	127-136	53-58	A	B
Ethyl Acetate (85-88%)	7.37	158-176	70-80	A	B
Ethyl Acetate (99%)	7.50	169-174	76-78	A	B
Isobutyl Acetate	7.24	220-246	112-119	A	B
n-Butyl Acetate	7.27	219-239	104-115	A	B
Amyl Acetate (mixed isomers)	7.21	259-311	126-155	A	B
sec-Amyl Acetate	7.18	259-293	126-145	A	B
n-Butyl Propionate	7.27	255-340	124-171	C	D

FREON*	Lbs. per Gallon at 68°F	Boiling Range		LS Model Gallons per 40-Hour Week	
		°F	°C	0 - 75	150 -500
TF	13.06	117.6	47.6	A	B
TA	11.73	110.5	43.6	A	B
TE	12.56	112.3	44.6	A	B
TES	12.48	111.9	4.4	A	B
TMC	11.85	97.2	36.2	A	B
T-E 35	9.75	119	48.3	A	B
T-P 35	9.6	120	48.9	A	B
T-WD 602	12.47	112	44.4	A	B
*Freon is a Du Pont registered trademark.					

KETONES	Lbs. per Gallon at 68°F	Boiling Range		LS Model Gallons per 40-Hour Week	
		°F	°C	0 - 75	150 -500
Acetone	6.58	132-134	36-57	A	B
Methyl Ethyl Ketone	6.71	174-177	78-80	A	B
Diethyl Ketone	6.80	212-219	100-103	A	B
Methyl n-Propyl Ketone	6.72	214-225	101-107	A	B
Cyclohexanone	7.88	266-343	156-158	A	B
Methyl Isobutyl Ketone	6.68	234-244	114-117	A	B
Methyl n-Butyl Ketone	6.83	237-379	115-137	A	B
Methyl Cyclohexanone (mixed isomers)	7.67	237-343	115-173	A	B
Acetonyl Acetone	8.10	365-383	184-195	C	D
Diisopropyl Ketone	6.73	237-261	114-127	A	B
Methyl n-Amyl Ketone	6.81	297-309	147-154	A	B
Diacetone	7.82	266-356	130-180	C	D

TERPENES	Lbs. per Gallon at 68°F	Boiling Range		LS Model Gallons per 40-Hour Week	
		°F	°C	0 - 75	150 - 500
Dipentene	7.10	343-374	172-190	C	D
Turpentine Gum Spirits	7.21 @60°F	313-340	156-171	C	D
Turpentine Steam Distill	7.13	311-343	155-173	C	D

NEW REPLACEMENT SOLVENTS	Lbs. per Gallon at 68°F	Boiling Range		LS Model Gallons per 40-Hour Week	
		°F	°C	0-75	150-500
Polysafe (citrus based)	7.00	310	154	C	D
M-Pryol (NMP)	8.56	397-401	203-205	C	D
Dibasic Esters (DBE)	9.09	385-437	196-225	C	D
Gamma-Butyrolactone (GBL or BLO)	9.40	403	206	C	D

In-House Solvent Recycling Advantages:

- **Excellent Savings**
- **Minimal Labor Involvement**
- **Greatly Reduce Residue Disposal Costs & Responsibility**

NOTE: Certain chemicals may react during the distillation processs and may not be suitable for use in this equipment. Always contact your chemical supplier to determine if your chemical is suitable for distillation.