

Solvent Recyclers for the Flexographic Printer

EB180N effectively reclaims used solvent for reuse in plant operations and segregates the waste for disposal. The operation becomes “Greener.” Used solvent transported off site is reduced by approximately 90%. The facility can improve its Waste Generator Status with Environmental Agencies and help municipalities reach its waste reduction goals. Cost savings are dramatic. With an Alltrade recycler, unnecessary solvent purchases are eliminated, solvent purchases typically drop by approximately 90%, and the waste hauling charge also drops by approximately 90%.



Dirty Solvent Clean Solvent



With vacuum assist, the boiling point of the solvent is effectively lowered and recycling speed increased.

Many solvents are recycled in the EB180N including flexo development solvent, U.V. wash, blanket wash, varsol, MEK, toluene, xylene.

MODELS

Model	Mode of Operation	Waste	Capacity	Capacity	Speed*
EB180N	Batch	Solid or liquid	35 gal	132 L	8-12 Hr
EC180N	Continuous	Liquid-like	120 gal	450 L	13-17 Hr
EB180G	Batch for offset printing	Liquid-like	35 gal	132 L	12-18 Hr

* Times are approximate depending on solvent and contamination level.

The above models with vacuum assist are under design.

A “GREENER” OPERATION WITH REDUCED OPERATING EXPENSES

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Features

Utility Requirements	200/220 3 phase, 25 A, 85 PSI, 2 CFM (5.9 bar, 3.4 cu m/hr)
Wattage	9 KW
Technology	Rapid direct heating technology, resulting in excellent heat transfer, low maintenance and quiet operation. Designed without diathermic oil which would require regular replacement and without motor driven vacuum pump which would require regular service.
Safety Certifications	Pending; UL Standards U2208 and CSA Standard C22.2 No. 30 and No. 80 by ETL. Also certified for use in Hazardous Locations Class 1, Division 1 and 2, group D-T2A as well as non Hazardous locations. Many built-in safety programs. Automatic pressure relief system when tank pressure reached 2.0-2.5 psi (.14-.17 bar). Automonous back up safety system to turn off heater when required.
Serviceability	Self diagnostics provided by sophisticated micro processor; Micro processor controls work flow and reports status on the display.
Auto Locking of Lid	The Safety cover fits over the tank lid for additional saftey. Safety cover is locked automatically during recycling to avoid inadvertent opening.
Cabinet	18 guage stainless steel construction for longevity.
Dimension	57" w x 29" d x 51" h (145 cm w x 74 cm d x 129 cm h)
Weight	770 lbs (359 kg)
Warranty	One year parts and labour.

COST SAVINGS

Current Costs

Solvent Purchases (gal/month)	500
Unit Cost (\$/gal)	3.90
Solvent Cost (\$)	1950.00
Disposal Quantity (gal/month)	500
Unit Cost (\$/gal)	3.20
Disposal Cost (\$)	1,600.00
Total Cost (\$)	3,550.00
Annual Cost (\$)	42,600.00 (A)

Costs After Acquisition of a Solvent Recycler

Solvent Purchase Cost (typically 10%)	195.00
Disposal Cost (typically 0 to 10%)	160.00
Total Monthly Cost (\$)	355.00
Annual Cost (\$)	4,260.00 (B)
Annual Savings (\$) (A-B)	38,340.00

CONSUMABLES AND OPTIONAL EQUIPMENT

CONSUMABLES	SUFFIX	PART NO.	OPTIONAL EQUIPMENT	PART NUMBER
Liner Bags	B	LB3000E-10	Pneumatic Drum Mixer	960-9040F
Viton Gasket	V	983-2150V	Pat-Light with Buzzer	UPLITE-3C



230 Bartley Bull Pkwy, Brampton, Ontario, L6W 2L1
 TEL: 416-938-9274 · FAX: 905-456-9550
www.alltraderecycling.com

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