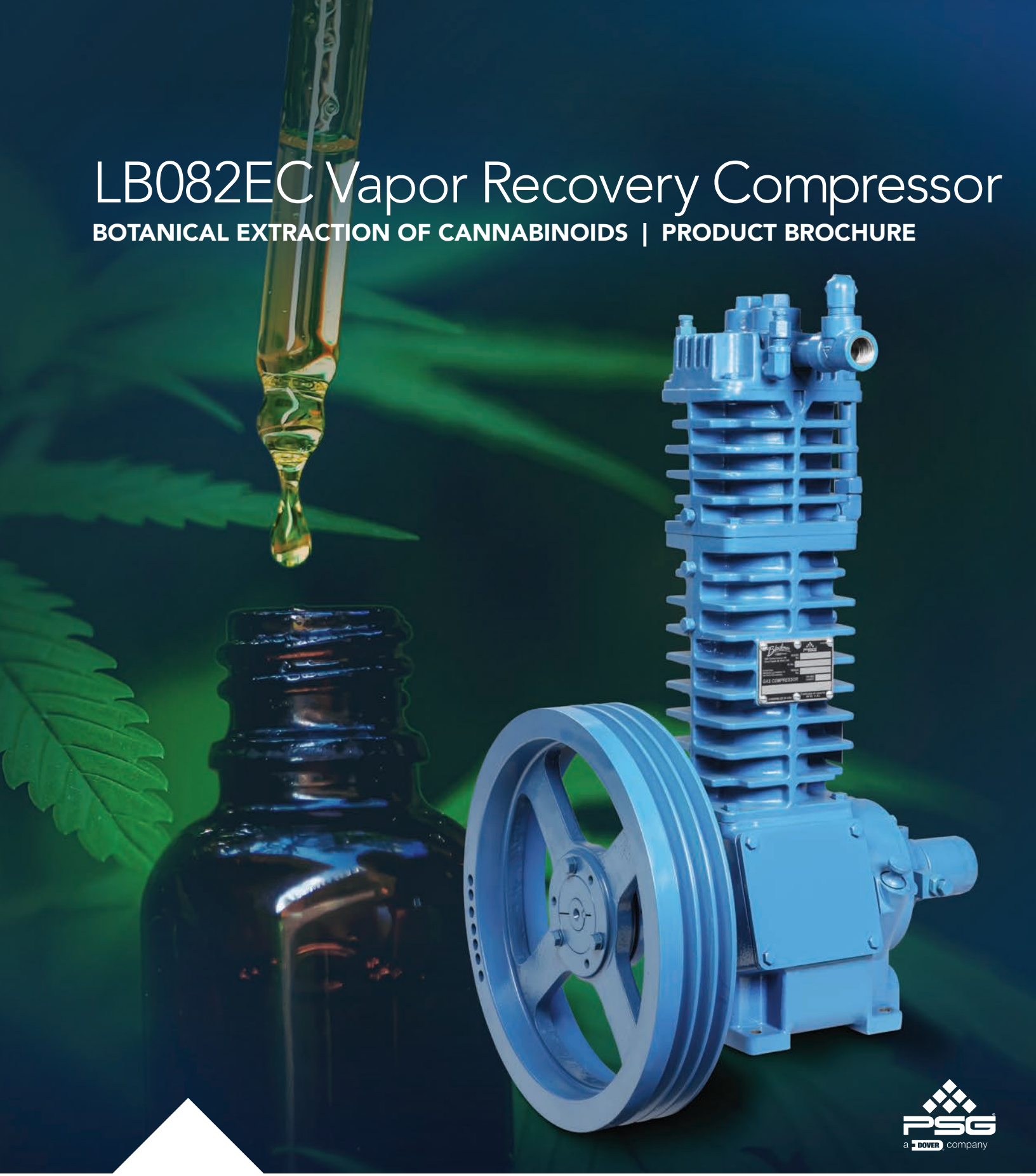
LB082EC Vapor Recovery Compressor

BOTANICAL EXTRACTION OF CANNABINOIDS | PRODUCT BROCHURE



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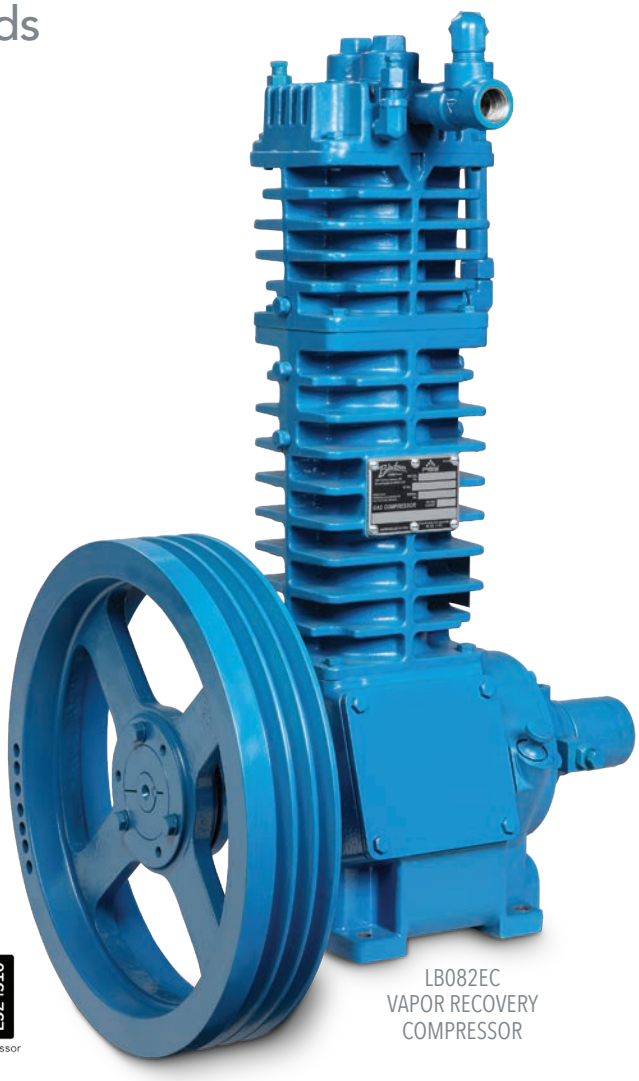
Look behind the iconic black paint and skull logo on many solvent-recovery systems and you will find a blue Blackmer® LB082EC Vapor Recovery Compressor. With hundreds of installed units and years of proven market success, the first-to-market LB082EC Vapor Recovery Compressor is the original compressor used throughout the botanical-extraction market.

Blackmer® LB082EC Vapor Recovery Compressor

for Botanical Extraction of Cannabinoids

The UL-listed Blackmer LB082EC Vapor Recovery Compressor is a vital component in every botanical plant oil-extraction system, extracting butane-propane solvent from material columns while producing a closed-loop system where the butane-propane solvent can be reused in future extraction activities.

The LB082EC is the smallest and most compact model of LB Series Compressors and is capable of achieving a vapor-recovery flow rate of 8.45 cubic feet per minute (CFM), or 14.35 m^3/hr, all while efficiently producing the 90-100 psi (6.2-6.9 bar) that is necessary to facilitate the butane-recovery process. The LB082EC Compressor features double seals that have passed various leakage tests, as well as a pressurized oil-pump circuit on the heavy-duty crankcase – which is coated with a special epoxy that protects the interior – that forces oil onto the unit's bearings, wrist pins and connecting rods.



LB082EC
VAPOR RECOVERY
COMPRESSOR

UL CERTIFIED SAFETY.US E524516
Plant Oil Extraction Compressor

Blackmer® LB082EC Vapor Recovery Compressor

Features

The extraction of botanical oils is completed through a rather straightforward operational process that requires use of an LPG solvent. Once the botanical extraction process is complete, the LPG solvent needs to be recovered and sent back to a solvent tank so that it can be used again in additional extraction activities. The UL Listed Blackmer LB082EC Compressor is an ideal solution for recovering LPG solvent.

Other features of the Blackmer LB082EC Compressor include:

- **Heavy-Duty Pistons –** One-piece construction that is stronger and simpler than competitive multi-piece designs
- **High-Efficiency Valves –** Corrosion-resistant stainless-steel discs and springs provide superior sealing
- **High-Pressure Head and Cylinder O-Rings –** Eliminate leakage and maintenance problems
- **Self-Adjusting Piston-Rod Seals –** Prevent crankcase oil contamination and cylinder blow-by
- **Pressure-Assisted Piston Rings –** Provide maximum efficiency with minimal friction wear
- **Wear-Resistant Crosshead Assemblies –** Designed for maximum lubrication and wear resistance
- **2-hp Motor –** More energy efficient and less wasteful than the competitor model with a 3-hp motor

All of these features combine to make the LB082EC Compressor an ideal solution for continuous-duty botanical oil-extraction applications with 2-4 vapor-recovery cycles over an eight-hour period.

Since you are already using butane, considered by many to be the purest solvent in botanical-oil extraction, it only makes sense to trust the original extraction compressor, the Blackmer LB082EC, for your botanical oil extraction.

SPECIFICATIONS		
Dimensions (approx.)	Length	41" (104 cm)
	Width	33" (84 cm)
	Depth	50"(127 cm)
Weight		496 lbs (225 kg)
Shipping Weight		545 lbs (247 kg)
Compressor		Oil-Free Piston, PTFE Seals
Displacement	Min. RPM	CFM (m^3/hr) 3.58 (6.1)
	Max. RPM	CFM (m^3/hr) 8.44 (14.3)
MAWP		350 PSIA (2,413 kpa)
Max. Discharge Temperature		350°F (176°C)
Inlet/Outlet Size		3/4"

For more information about Botanical Oil Extraction of Cannabinoids, visit us at psgdover.com/blackmer.

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