



# HI-FLO™ PROFESSIONAL SERIES

## CO<sub>2</sub> EXTRACTION SYSTEMS

The Hi-Flo™ Professional Series is our entry-level line of commercial extraction systems designed to get your business up and running fast. The models offer a full range of extraction parameters, while balancing the need for ease of use and low cost of maintenance.

Our extractors comply with US pharmaceutical and nutraceutical requirements. Each is built using Good Manufacturing Practice (GMP).



Hi-Flo™ 5 Liter 2,000 Psi Supercritical CO<sub>2</sub> extractor; accessories not shown.

“We selected Eden because the system produced the best oil with a safe, fast and clean extraction.”

— Heylo Cannabis CEO Laurel F.

### FEATURES & BENEFITS

The Hi-Flo™ Professional Series has the same reputation for reliability, ease of use, and low-cost maintenance as our Hi-Flo FX2 High Performance Series.

With over 20 years of botanical and whole plant extraction expertise, you get fast run times and high yields. In addition to a three-year warranty, each Eden Lab extractor comes with proven standard operating practices for efficient use and specific products.

#### NON-STOP RELIABILITY

- Engineered for round-the-clock use
- High quality, durable materials such as 316 stainless steel
- Proven, efficient and dependable pumping system

#### SIMPLE OPERATIONS

- Temperature and pressure settings from single console panel
- Fast terpene capture with advanced oil integrity cup design
- Rapid change-over for maximum extraction times

#### LOW MAINTENANCE COST

- Closed-loop design with up to 95% CO<sub>2</sub> recapture rate
- No internal moving parts so fewer points of failure
- Easy step-by-step protocol for upkeep



## PERFORMANCE

	5 Liter, 2,000 Psi	5 Liter, 5,000 Psi <sup>1</sup>	20 Liter, 2,000 Psi	20 Liter, 5,000 Psi
Load capacity (lbs.) <sup>2</sup>	2.5	2.5	10	10
Run time (hrs.)	3 to 5	3 to 5	8 to 12	3 to 7
Flow rate (liters per minute)	1.2	.8	1.2	.8
Floor area (inches) <sup>3</sup>	68 x 46 x 91	68 x 46 x 91	100 x 46 x 97	106 x 58 x 126
Weight (lbs.)	1,300	1,500	2,200	2,500

The Hi-Flo™ Professional Series supports temperature ranges of minus 60 ° C to 60 ° C. Yields are 12 to 25%, depending on material and extraction parameters. Oil integrity cup design keeps oil cool to preserve integrity.

## ELECTRICAL REQUIREMENTS

### HI-FLO™ 5 LITER & 20 LITER MODELS WITH 2,000 PSI

	Size (inches)	Weight (lbs)	Power	Plug
4500-watt heat bath (extractor)	31 x 12 x 13	24	240v / 1P / 60hz 18.5a (heater) 115v / 1P / 60hz 0.84 FLA (pump)	Nema L6-30 plug (heater) Nema 5-15 (pump)
4500-watt heat bath (separator)	31 x 12 x 13	24	240v / 1P / 60hz 18.5a (heater) 115v / 1P / 60hz 0.84 FLA (pump)	Nema L6-30 plug (heater) Nema 5-15 (pump)
Chiller	53.1 x 26.6 x 40.7	330	230v / 3P / 60hz / 13.7 FLA	Service Disconnect
Compressor	56 x 22 x 49.4	468	208v / 3P / 60hz / 18.4 FLA	Service Disconnect
Scales (2)	12 x 12 x 1 1/4	30	200ma	Nema 5-15 x2

### HI-FLO™ 5 LITER 5,000 PSI

Hi-Flo 5 Liter 5,000 Psi has identical electrical requirements as the 2,000 Psi models except as noted.

	Size (inches)	Weight (lbs)	Power	Plug
Chiller	53.1 x 26.6 x 40.7	330	230v / 3P / 60hz / 26. FLA	Service Disconnect
Compressor	56 x 22 x 49.4	468	208v / 3P / 60hz / 21.5 FLA	Service Disconnect
Scales (3)	12 x 12 x 1 1/4	45	200ma	Nema 5-15 x2

### HI-FLO™ 20 LITER 5,000 PSI

Hi-Flo 20 Liter 5,000 Psi has identical electrical requirements as the 2,000 Psi models except as noted.

	Size (inches)	Weight (lbs)	Power	Plug
Compressor	76 x 25 x 58	775	200-208v / 3P / 60hz / 31.6 FLA	Service Disconnect

## OPERATIONS

- Climate controlled environment is recommended.
- 10 – 15 air exchanges per hour, or as required by ventilation regulation.
- Sufficient local ventilation for removal of gases released from system's vent points.
- Facility electrical supply standards confirm with United States National Electrical Code (NEC) standards and supply power at a frequency of 60 hertz.
- Eden Labs' onsite installation and training is available; operators are fully certified in 2 days. Eden Labs' Seattle-based training is standard.
- kWh per day consumption in an 8-hour shift ranges from 92.25 to 138.56 depending on model.

Avoid unplanned downtime with a Self-Sufficiency Kit to keep your system operating at peak performance. Each kit contains consumables and spare parts like pressure relief valves, ball valves, filters, pressure gauges, air filters, and metering needle valves.

Eden Labs recommends on-site installation and training so your operations get up and running fast.

<sup>1</sup> Large operators use this system for research and development.

<sup>2</sup> Actual load capacity will vary with density of plant material.

<sup>3</sup> Floor area coverage includes chiller, compressor, and heat baths.



All Systems Include Our 3-Year Warranty.

### Interested in learning more?

Reach us by phone at 206.681. 8744,  
Monday-Friday between 9am-5pm PT,  
or email, [info@edenlabs.com](mailto:info@edenlabs.com).

