At Pure Extraction we are committed to the innovation, quality manufacturing, and client partnerships. We specialize in the design, development, manufacturing, and continued innovation of SuperCritical CO2 Extraction Systems. We partner with our clients to achieve the best quality end-product result through continued consultation during the pre-extraction, extraction, and post-extraction processing stages.

Traditional methods of extraction include solvent extraction, distillation, and cold pressing. These methods of extraction can have varying degrees on the quality of the final product or extract.

Subcritical and Supercritical Fluid Extraction utilizing high pressure Carbon Dioxide extracts the essential oils from botanicals through specific temperatures and pressures.

**BENEFITS OF CO2**

- **Non-Toxic/ Non Carcinogenic**: the extracted oil does not include any residual petroleum particles.
- **Safe**: no potentially flammable or explosive petroleum based solvents, approved method by FDA
- **Carbon-Neutral / Environmentally Friendly**: does not contribute toward carbon emission increases in our atmosphere.
- **Tunable Solvent**: by varying and fine tuning the temperature, pressure, and flow rate during the extraction process, multiple varieties of the end product can be produced.
- **Producing a Premium Product**: known as the highest quality oil extracts from products such as coffee, vanilla, tea, fruit and nut extracts and aromas, omega-3 oil, perfumes, tobacco extractions for e-cigarettes, and of course for superior high grade cannabis oil

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SCALABLE

Pure Extraction systems range from entry-level to mid-level in size, with production scale options, but all of our quality systems are designed to be scalable to the demand of the clients. Just as the market grows and develops, so do the demands of our clients.

SCALABLE SYSTEMS

Our 10L systems can be upgraded to a 20L system without the need for an entire new build. Additionally, each system can be made to suit your budget, such as semi-automated and automated options. As you grow - we grow with you.

SCALABLE SERVER ROOM SOLUTIONS

for the fastest/ high volume extraction requirements our “server room” extraction set-up is the best option. In addition to being cost efficient and flexible, other benefits are outlined in the SERver section of this brochure.

MODULAR

All systems are designed with the operator in mind. Ease-of-Use and maintenance are key elements in any system. At Pure, our systems use the highest level in connection technologies to ensure all sub-components can be removed, cleaned, and reinstalled easily. Ensuring your final product is of the highest of quality through components that ensure easy removal and cleaning.

HIGH EFFICIENCY

At Pure we recognize that more travel the fluids require, the more chance residual oil will be left in the system. Our systems are designed with custom machined sub-components which reduce the overall footprint, reduce the overall cost, and reduces the amount of potentially costly residual oil.

MOBILE

Another benefit to a compact quality built system is the benefit of mobility. Pure systems are built with the ability of mobility in mind. All systems are self-contained and on wheels to allow transport to different on-site locations.

PARTNERSHIP SUPPORT

At Pure we have a Client Support system second to none. In addition to our support app, our partnership perspective provides the framework of our ongoing support. All systems are welded, manufactured, and assembled in Canada.
Server Room production set-ups provide the fastest per pound botanical solution in a weight to weight comparison to larger single-machine systems. More dedicated pumps pound of product.

Staggering the start time for each extractor will allow for 24 hour continuous extraction. Isolated/independent machine maintenance and cleaning can be accomplished rather than a full production shut down.

Pure Server Room Solutions are more cost effective and efficient than larger, single extractor set-ups. Additionally, affordability is built into our scalability, your cost builds only as the demand increases and additional production requirements are needed.

Similar to other “server rooms” there is always a functional back-up in the event of any issue or during routine maintenance.

Rather than using the same machine for different botanicals and different strains, separate machines can be dedicated for isolated extraction purposes. This provides a more flexible production set-up. With dedicated machines per botanical there is less chance of cross-mixing of botanicals and strains.
**TECHNICAL SPECIFICATIONS**

**FEATURES**

- Inline 2-Stage Concurrent Subcritical (Terpenes) and Supercritical Extraction
- Automation: Preset Programs, Temperature/ Pressure data-logging, lock-out password enabled, connectivity for email/txt notifications and remote diagnostics.
- Water Jacketed Separation Vessel (Optional)
- Liquid CO2 Pump
- Easy-Open Treaded Caps
- Active Diffuser Tech
- Pre-Heater for Temperature Control. (water jacketing optional)

* 20L Model Shown

**SIZES**

- 5.0L (Single Vessel)
- 10.0L (Dual 5L Vessel)
- 10.0L (Single Vessel)
- 20.0L (Dual Vessel)

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**UL/ ASME Approved**

- Weight 1800 lbs
- 230VAC/ 60AMP or 3 Phase 208 46VAC

**Note: Chiller not pictured.**

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**PURE EXTRACTION**

PUREEXTRACTION.COM

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