



video

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Infinity
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Videos of the Botanical Oil Extraction from Infinity Supercritical

Structured Data

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Videos of the Botanical Oil Extraction from Infinity Supercritical

PDF Version of the webpage

This webpage QR code

<https://infinitysupercritical.com/video.html>

VORTEX TUBE: Botanical Oil Extraction (Air and Water)

Infinity has experimented with many technologies which perform cell lysis. One of those is the fascinating vortex tube. It has traditionally used for pressuried air to produce spot cooling and heat, along with separation functions in the oil and gas industry. The vortex converts pressure into rotational energy (over 1,000 g force) which effectively becomes a centrifuge liquids (air, water, oil, etc.). The high g forces can result in cell lysis, and the rotational element can separate resulting extract.

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HEMP OIL EXTRACTION USING WATER: Spinning Disc Reactor Hemp

The New Revolution in Processing using Water as the Solvent.

Simple push-button operation and uses only water as the solvent, this amazing system uses technology that was previously only available in the pharmaceutical industry. Process 50-100 pounds per hour, or up to 2,400 pounds (1,200 kg) per day of flower. This system can process an amazing 2.5 acres per day of flower, or up to 876,000 pounds per year (about 900 acres of flower). This system produces a crude oil extract, which is considered a Full Spectrum Oil extraction.

Pro Tips:

The SDR is a continuous feed botanicals crude oil extractor, using spinning disc reactor technology, which is well proven in the food processing and pharmaceuticals industry. The system is used in this application with water as the solvent to produce a full spectrum extraction. With further winterization processing, the resulting full-spectrum-oil is ready for sale as a concentrate.



ANNATO RED SEED OIL: supercritical CO2 extraction (Amazing!) extracting red color and oil

The Infinity Supercritical CO2 system uses liquid carbon dioxide to extract oils, terpenes, and color from plant cells. This video gives a briefing on how annato seed is extracted.

Pro Tips:

Learning the Supercritical CO2 system requires formal training. After training, we recommend you practice on hops first, then move on to hemp or other botanicals. If you do not follow this time-proven procedure, you most likely will have a negative learning curve and have zero results.

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Infinity Supercritical CO2 System: Using Extraction Without Botanicals Holding Basket

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The Infinity Supercritical CO2 system uses liquid carbon dioxide to extract concentrates from hemp, hops, and other plants. This video gives a briefing on how to use the system without the basket which holds botanicals in the extraction vessel.

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Nitrogen Decompression Botanical Oil Extraction: fast oil production (Amazing!)

Infinity Supercritical CO2 System: Nitrogen Decompression Pre-Treatment With Cascade Hops

The Infinity Supercritical CO2 system uses liquid carbon dioxide to extract concentrates from hemp, hops, and other plants. This video gives a briefing on how to use the system using nitrogen decompression as a pre-treatment.

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Infinity Supercritical CO2 System: Nitrogen Decompression Pre-Treatment With Hops 2.5 Hours

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HOPS OIL EXTRACTION: fast botanical oil extraction using supercritical CO2

Infinity Supercritical CO2 System: Cascade Hops Extraction Experiment

The Infinity Supercritical CO2 system uses liquid carbon dioxide to extract concentrates from hemp, hops, and other plants. This video gives a briefing on how to use the system with reduced schedules to achieve some interesting results.

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Infinity Supercritical CO2 System: Cascade Hops Extraction Experiment

Infinity Supercritical CO2 System: Cascade Hops Extraction Experiment

The Infinity Supercritical CO2 system uses liquid carbon dioxide to extract concentrates from hemp, hops, and other plants. This video gives a briefing on how to use the system experimenting with Cascade Hops.

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Infinity Supercritical CO2 System: Using Extraction Without Botanicals Holding Basket 30 30 Schedule

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Infinity Supercritical CO2 System: Ethanol Co-Solvent Cascade Hops 2.5 Hour Extraction

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The Infinity Supercritical CO2 system uses liquid carbon dioxide to extract concentrates from hemp, hops, and other plants. This video gives a briefing on using a co-solvent for hops extraction.

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FLAX SEED OIL EXTRACTION: fast 2.5 Hour 5 Pounds Flax Seed Oil Extraction (Supercritical CO2)

Infinity Supercritical CO2 System: 2.5 Hour 5 Pounds Flax Seed Extraction

The Infinity Supercritical CO2 system uses liquid carbon dioxide to extract concentrates from hemp, hops, and other plants. This video gives a briefing on flax seed extraction.

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Infinity Supercritical CO2 System: 2.5 Hour Flax Seed Extraction

Infinity Supercritical CO2 System: 2.5 Hour Flax Seed Extraction

The Infinity Supercritical CO2 system uses liquid carbon dioxide to extract concentrates from hemp, hops, and other plants. This video gives a briefing on flax seed extraction.

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Infinity Supercritical CO2 System: 45 min 45 min Cascade Hops Extraction Schedule

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Infinity Supercritical CO2 System: 2.5 Hour Cascade Hops Extraction Schedule

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Infinity Supercritical CO2 System: Learning How To Extract

Infinity Supercritical CO2 System: Learning How To Extract

The Infinity Supercritical CO2 system uses liquid carbon dioxide which is pumped to high pressure using a liquid CO2 pump. This video gives a briefing on how to learn to extract.

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Infinity Supercritical CO2 System: Flow Path

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The Infinity Supercritical CO2 system uses liquid carbon dioxide which is pumped to high pressure using a liquid CO2 pump. This video gives a briefing on system flow path.

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FAST HEMP OIL EXTRACTION: Cell lysis

Processing Hemp Using Water As The Solvent. Cell Lysis. Let Infinity Supercritical Show You How.

Infinity Supercritical has a process which uses the SDR (Spinning Disc Reactor) and hydrodynamic cavitation to break open a plant cell to release oil.

Pro Tips:

Using a fully automated machine with water as the solvent, is a eco-friendly alternative to other methods of processing, which use expensive consumables. It's better for your customers, better for your workers, and better for the environment.

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Infinity Supercritical CO2 System: Changing Extraction Pressure

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The Infinity Supercritical CO2 system uses liquid carbon dioxide which is pumped to high pressure using a liquid CO2 pump. This video gives a briefing on how to change extraction pressure.

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Infinity Supercritical CO2 System: Additional Extractions

Infinity Supercritical CO2 System: Additional Extractions

The Infinity Supercritical CO2 system uses liquid carbon dioxide to extract concentrates from hemp, hops, and other plants. This video gives a briefing on how to use additional extractions.

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Infinity Supercritical CO2 System: Extraction Vessel Filling Basket With Botanicals For Extraction

The Infinity Supercritical CO2 system uses baskets for faster loading and unloading of the extraction system. This allows for faster turn-around time and more efficient (cost effective) use of the CO2 extractor. More time processing means more profit potential, since you are processing more botanicals to make more concentrates.

Pro Tips:

Pre-load baskets for fast turn-around time. You can also run without baskets, keeping in mind you have to use a dry vacuum to remove spent botanical input material after the extraction. While it's only a few minutes to clean out, if you run up to seven cycles per day, that can add up to lots of potential processing time.



