

# Pope Turnkey Isolation Nutsche Reactor System



## ISOLATION EQUIPMENT FOR CRYSTALLIZING CANNABINOIDS

Crystallization is a common Isolation method used to separate a substance in its pure form from a mixture. In cannabinoid applications, crystallization is often used to isolate CBD with additional cannabinoids like THC, terpenes, and other plant components stripped out.

Under proper conditions crystals form creating a highly purified substance. Crystals will begin to nucleate when the substrate in the solvent becomes supersaturated and then process conditions can be dictated to control either nucleation or crystal growth. Many crystallization processes are done with batch reactors as it allows for precise control of these attributes. Pope offers a variety of equipment and turnkey solutions for crystallization.

v2\_6-2023



## ADVANTAGES

- Each vessel is optimally designed for performing these two different processes
- Saves time by having both processes running simultaneously
- Can be performed with no open handling of the raw material or slurry
- Isolation is a critical operation, and often the final step in the entire manufacturing process.
- Pope Scientific's Nutsches are preferred-proven for CBD crystallizing isolation to 99.9%, with less than 0.3%, to undetectable THC levels.

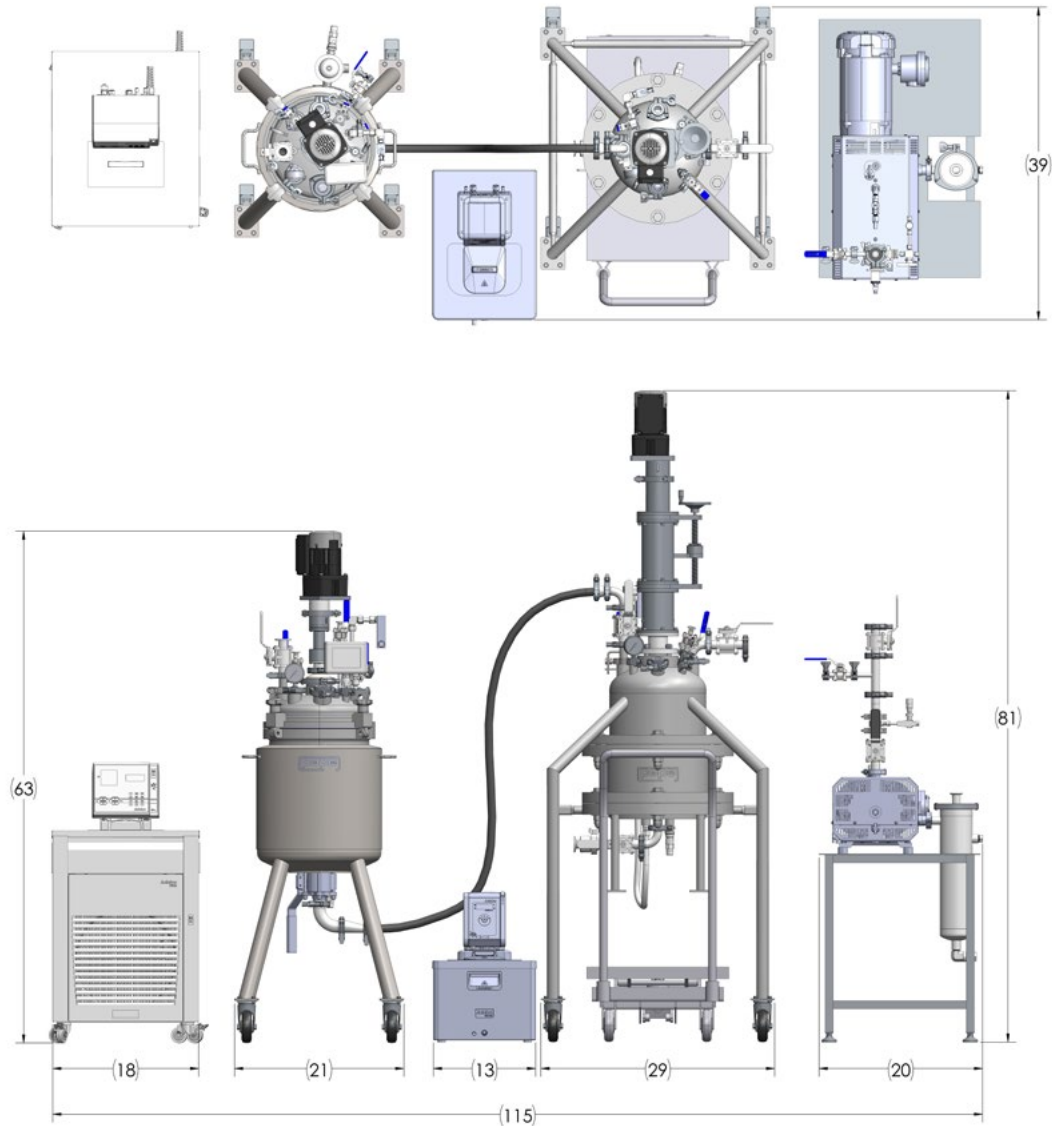
## TURNKEY SYSTEMS

- 5L Reactor and 4L Nutsche (Benchtop scale)
- 30L Reactor and 25L Nutsche
- 60L Reactor and 50L Nutsche
- 120L Reactor and 100L Nutsche
- Custom sizes and designs available upon request



# Turnkey Isolation 25L Nutsche 30L Reactor System

## DIMENSIONAL DIAGRAM



## GENERAL SPECIFICATIONS

Footprint	115"W x 39"D x 81"H (292.1 cm x 99.06 cm x 205.74 cm)
Electrical	240V, 50-60 Hz, 1-ph
Warranty	Limited 1 year warranty
Reactor Working Volume	30 Liters
Pressure Rating	FV to 50 PSIG (3.4 Bar)
Temperature Rating	-20°F/-28°C to 350°F/176°C
Electrical Rating	C1 D2 or ATEX upon request