

TLS CRYSTAL PRODUCTION SYSTEM

Model: CPS-150

SHORT LEAD TIMES
GET IN BUSINESS FASTER!



Turnkey Lab Systems has partnered with Cascade Sciences to develop the CPS-150 System that is ideal for large volume crystallization. The system includes a jacketed reactor tank with precision temperature control, a cold trap, an air compressor to aide in transferring material, and two mixing tanks for continuous processing and efficient flow.



FEATURES

- Runs 25-30kg distillate in a single 12 hour run with up to 86% efficiency
- Approved for use with:
 - Pentane in C1D1 environment
 - Hexane, heptane in C1D2 environment
- Crystallization capability
 - Capable of crystallizing CBD or CBG
 - Runs as low as 70% potency distillate
- Patent pending Crystal Breaker
 - Allows for easy crystal removal
- Crystals can be dried in unit
 - Positions quickly and easily
- Closed loop operation
- Peer Reviewed / State Certifications
- NRTL Certified Mechanical Components



REQUIRED CONSUMABLES

- Isopropyl Alcohol
- Pentane, Heptane, or Hexane
- CBD or CBG Distillate

CPS-150 INCLUDES

CRYSTAL REACTOR
150L Jacketed Reactor
Mobile Casters

MIXING TANKS (2)
304 Stainless Steel

AIR COMPRESSOR
California Air Tools 60040CAD

HUBER TEMP CONTROL
CC-508 with Pilot ONE
On Mobile Cart

-105°C COLD TRAP
CASCADE MAXTRAP 105
On Mobile Cart

ACCESSORIES
All Thermal Fluids, Connection
Tubing & Installation Included

TURNKEY LAB SYSTEMS
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CASCADE SCIENCES
503-847-9047
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VISIT OUR SHOWROOM!
6725 NE Evergreen Pkwy, Ste 106
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CPS-150 System

SPECIFICATIONS



TEMP CONTROL - HUBER CC-508



-105°C COLD TRAP - MAXTRAP105



AIR COMPRESSOR 60040CAD

150L CRYSTALLIZATION REACTOR

Max Pressure	1 Bar
Capacity	5.68 Gallon Jacketed Reactor
Dimensions	32"L x 32"W x 30"H 32"L x 32"W x 65"H (with Crystal Breaker)
Construction Material	304 Stainless Steel
Mobile, On Casters	

150L MIXING TANK

Max Pressure	1 Bar
Dimensions	24"L x 24"W x 35"H
Construction Material	304 Stainless Steel

TEMPERATURE CONTROL - HUBER CC-508

Temperature Range	-55°C to 200°C
Temperature Stability	±0.02°C
Controller	Pilot ONE (E-grade) for Ramping
Heating Capacity	2.45kW
Bath Volume	5L
Power Supply	208V / 1ph / 16.5AMP Includes cord/plug UL 6-20 20AMP Plug

-105°C COLD TRAP - CASCADE SCIENCES MAXTRAP105

Capacity	3Qt. (2839mL)
Adapter	KF25 Inlet & Outlet
Gasket	Viton
Power Supply	115V / 1ph / 13AMP Includes cord/plug

CFC / HCFC Free Refrigerants

AIR COMPRESSOR - CALIFORNIA AIR TOOLS 60040CAD

Power Supply	220V / 1ph / 14AMP Includes cord/plug (No 208V)
Dimensions	26"L x 26"W x 67"H

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