

CRYSTAL PRODUCTION SYSTEM

Model: CPS-150

SHORT LEAD TIMES
GET IN BUSINESS FASTER!

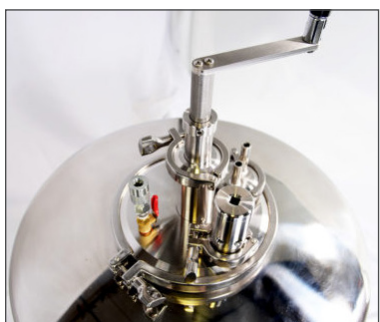


McGrane Lab Systems has partnered with Cascade Sciences to develop the CPS-150 System that is ideal for large volume crystallization. The system includes a jacketed reactor tank with precision temperature control, a cold trap, an air compressor to aide in transferring material, and two mixing tanks for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

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 CRYSTAL REACTOR	Gen 2	Gen 3
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Max Pressure	1 Bar	2 each 150L Vessels
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Capacity	5.68 Gallon Jacketed Reactor	
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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	
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Mobile, On Casters		
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MIXING TANK		
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Tank	50L	37.5 Gal Brite Tank
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Max Pressure	1 Bar	
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Dimensions	24"L x 24"W x 35"H	
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Construction Material	304 Stainless Steel	
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Stirring	Manual	Electronic
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TEMPERATURE CONTROL - HUBER CC-508 OR EQUIVALENT		
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Temperature Range	-55°C to 200°C	
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Temperature Stability	±0.02°C	
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Controller	Pilot ONE for Ramping	
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Heating Capacity	2.45kW	
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Bath Volume	5L	
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Power Supply	208V / 1ph / 16.5AMP	
	Includes cord/plug UL 6-20	
	20AMP Plug	

-105°C COLD TRAP - CASCADE SCIENCES MAXTRAP105		
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Capacity	3Qt. (2839mL)	
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Adapter	KF25 Inlet & Outlet	
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Gasket	Viton	
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Power Supply	115V / 1ph / 13AMP	
	Includes cord/plug	

CFC / HCFC Free Refrigerants		
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AIR COMPRESSOR - CALIFORNIA AIR TOOLS 60040CAD		
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Power Supply	220V / 1ph / 14AMP	
	Includes cord/plug (No 208V)	

Dimensions	26"L x 26"W x 67"H	
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