

# PUREPATH 100 + KIT A PACKAGE

Includes Mechanically Refrigerated Cold Traps

**SHORT LEAD TIMES**  
GET IN BUSINESS FASTER!

**SEE IT IN ACTION!**  
MAKE AN APPOINTMENT TO  
TOUR A PROCESSING FACILITY



Cascade's PUREPATH 100 + KIT A is a 4" Wiped Film Distillation Package with mechanically refrigerated cold traps optimized for viscous crude refinement. The complete package features top quality components from Agilent, AGI, Heidolph, and Huber.

### FEATURES

- 0.1m<sup>2</sup> evaporation surface area (100mm ID)
- ~2-4L per hour thru-put
- Excellent vacuum integrity <100 mTorr
- Foreline trap on vacuum pump prevents backstreaming and oil contamination
- AGI Glass has greaseless joints to prevent contamination
- UL/CUL listed electrical panel allows system to run on single 120V - 240V / 1PH / 50AMP service. Provides streamlined cord management.
- All tubing, fluids, connections included
- Professional on-site installation in the U.S. included



### GMP

- All parts that contact oil are PTFE, SS316, Borosilicate Glass 3.3

### NRTL CERTIFIED COMPONENTS

### WARRANTY

- Heidolph Precision 200 Overhead Stirrer – 3/yrs
- Agilent Vacuum Pump – 1/yr
- Huber Temp Control - 1/yr (Register for extended 3/yr guarantee for plug & play electronic components, 2/yr for refrigeration, mechanical, electrical components)



## PUREPATH 100 + KIT A PACKAGE INCLUDES

**AGILENT VACUUM PUMP**  
DS302 8.2 CFM Oil Rotary Vane

**AGI GLASS**  
1000 mL Jacketed Feed Vessel

**HEIDOLPH STIRRER**  
Hei-TORQUE Precision 200  
Overhead Stirrer, USB Interface

**HUBER TEMP CONTROL**  
CC-202C Heating Feed Flask with  
Temperature Probe

125 Ministat Cooling Main  
Body Internal Condenser

CC-304B Heating Main  
Body Jacket

**HUBER COLD TRAPS**  
Huber Minichiller 600 OLÉ

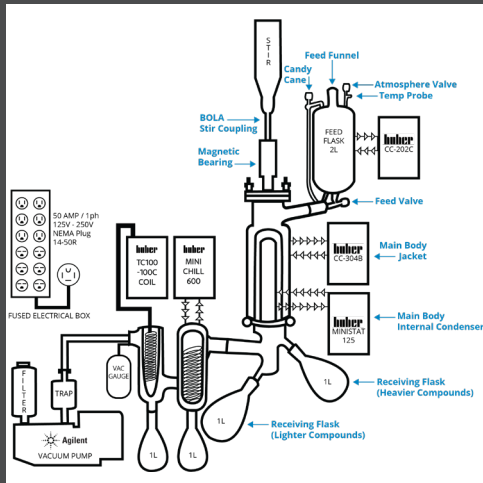
Huber TC100

**503-847-9047**  
info@cascaDESCIENCES.COM  
cascaDESCIENCES.COM

**VISIT OUR SHOWROOM!**  
6725 NE Evergreen Pkwy, Ste 106  
Hillsboro, OR 97124

# PUREPATH 100 + KIT A 4" Wiped Film Distillation Package

# SPECIFICATIONS



PUREPATH 100 + KIT A DIAGRAM

## AGI GLASS

Jacketed Evaporator ID	100mm, evap surface area of 0.1m <sup>2</sup>
Glass Temperature Range	-90°C to +230°C / Delta 110°C
Feed Flask	2L, includes vent valve, therm pocket, cap, needle valve
PTFE Wiper	+200°C

## HUBER TEMPERATURE CONTROL

### CC-202C Heating Feed Flask with Temperature Probe

Temperature Range	45°C to 200°C
Temperature Stability	±0.02°C
Controller	Pilot ONE (E-grade "Basic")
Heating Capacity	2kW
<b>Operating Data</b>	
Bath Volume	2L
Power Supply	230V / 1~ 50/60Hz / 10AMP

### 125 Ministat Cooling Main Body Internal Condenser

Temperature Range	-25°C to 150°C
Temperature Stability	±0.02°C
Controller	Pilot ONE (E-grade "Basic")
Cooling Capacity	100 20 0 -10 -20 °C 0.3 0.3 0.21 0.15 0.05 kW
Cooling Machine	Air-cooled
Refrigerant	R290 (0.1kg)

### Operating Data

Bath Volume	2.75L
Power Supply	115V 1~ 50/60Hz 11.5AMP

### CC-304B Heating Main Body Jacket

Temperature Range	28°C to 300°C
Controller	Pilot ONE (E-grade "Basic")
Heating Capacity	3kW
<b>Operating Data</b>	
Bath Volume	5L
Power Supply	230V / 1~ 50/60Hz / 14AMP

## AGILENT VACUUM PUMP

### DS302 8.2 CFM Oil Rotary Vane

Ultimate Pressure	2 x 10 <sup>-3</sup> mbar
Power	120V / 1ph
Vacuum Hardware and Connections	Includes digital vacuum gauge, foreline trap, mist filter

## CASCADE SCIENCES PUREPATH 100 + Kit A

Overall Dimensions	76.5"W x 27.5"D x 77"H
Facility Power Requirements	120V - 240V / 1PH / 50AMP Fused Panel, UL Listed

## KIT A EQUIPMENT - MECHANICAL COLD TRAPS

Huber Minichiller 600 OLÉ	Glass coil condenser
Temperature Range	-20°C to 40°C
Temperature Stability	±0.05°C
Controller	OLÉ
Cooling Capacity	15 0 -10 -20 °C 0.6 0.5 0.35 0.15 kW
Huber TC100 Cold Finger	Glass trap (Approx. 473mL)
Temperature Range	-100°C to 40°C
Controller	On-Off-Regular
Power Supply	230V / 1~ 50/60Hz / 6.5AMP

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