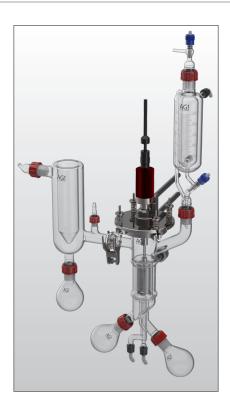


pro tools • pro results

PUREPATH 45

2" Wiped Film Distillation Package



Cascade Science's PUREPATH 45 is a benchtop 2" Wiped Film Distillation package optimized for R&D, process development and smallbatch craft. This workstation features top quality components from Agilent, AGI, Heidolph, and Huber. **FEATURES** · Small footprint on rugged, mobile cart

- Greaseless joints prevent contamination
- · All tubing, fluids, connections included
- Optional professional on-site installation is available
- Heidolph CORE Overhead Stirrer

AGILENT VACUUM PUMP

 Foreline trap prevents backstreaming and contamination

ASAHI PRECISION GLASS

- Evaporation surface area 0.012m²
- 250mL Jacketed Feed Flask
- Greaseless joints prevent contamination
- Glass cold trap (dry ice required)

HUBER TEMPERATURE CONTROL

- CC-202C Heating Feed Flask and Main Body Jacket
- 125 Ministat Main Body Internal Condenser
- CC-304B Heating Main Body Jacket

WARRANTY

- Heidolph 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)

NRTL CERTIFIED COMPONENTS



huber







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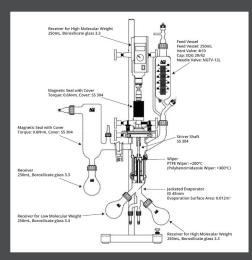
PUREPATH 100 + KIT A 4" Wiped Film Distillation with Mechanically Cold Traps



info@cascadesciences.com cascadesciences.com

6725 NE Evergreen Pkwy, Ste 106 Hillsboro, OR 97124





PUREPATH 45 DIAGRAM



AGILENT DS302 VACUUM PUMP

503-847-9047

info@cascadesciences.com cascadesciences.com

VISIT OUR SHOWROOM

6725 NE Evergreen Pkwy, Ste 106 Hillsboro, OR 97124

PUREPATH 45 2" Wiped Film Distillation Base Package

SPECIFICATIONS

ASAHI PRECISION GLASS Jacketed Evaporator ID 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 Dry Ice Glass Cold Trap Approximately 473mL HUBER TEMPERATURE CONTROL CC-202C Heating Feed Flask and Main Body Jacket Temperature Range 45°C to 200°C Temperature Stability ±0.02°C Controller Pilot ONE (E-grade "Basic") Heating Capacity 2kW Operating Data Bath Volume 2L Power Supply 230V 1 - 50/60Hz 10.0AMP NRTL Certified 125 Ministat Cooling Main Body Internal Condenser Temperature Stability ±0.02°C Controller Pilot ONE (E-grade "Basic") Cooling Gapacity ±0.02°C Controller Pilot ONE (E-grade "Basic") Cooling Machine Air-cooled Refrigerant R290 (0.1kg) Operating Data Bath Volume 2.75L Power Supply 115V 1 - 50/60Hz 11.5AMP NRTL Certified AGILENT VACUUM PUMP DS302 8.2 CFM Oil Rotary Vane Ultimate Pressure 2 x 10³ mbar Power Includes digital vacuum gauge, foreline trap, mist filter								
Glass Temperature Range	ASAHI PRECISION GLASS							
Feed Flask 2L, includes vent valve, therm pocket, cap, needle valve PTFE Wiper +200°C Dry Ice Glass Cold Trap Approximately 473mL HUBER TEMPERATURE CONTROL CC-202C Heating Feed Flask and Main Body Jacket Temperature Range 45°C to 200°C Temperature Stability ±0.02°C Controller Pilot ONE (E-grade "Basic") Heating Capacity 2kW Operating Data Bath Volume 2L Power Supply 230V 1- 50/60Hz 10.0AMP NRTL Certified 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 Controller Cooling Capacity 100 20 0 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 NRTL Certified AGILENT VACUUM PUMP DS302 8.2 CFM Oil Rotary Vane Ultimate Pressure 2 x 10³mbar Power 120V / 1ph	Jacketed Evaporator ID	Evap s	Evap surface area of 0.012m²					
PTFE Wiper +200°C Dry Ice Glass Cold Trap Approximately 473mL HUBER TEMPERATURE CONTROL CC-202C Heating Feed Flask and Main Body Jacket Temperature Range 45°C to 200°C Temperature Stability ±0.02°C Controller Pilot ONE (E-grade "Basic") Heating Capacity 2kW Operating Data Bath Volume 2L Power Supply 230V 1~50/60Hz 10.0AMP NRTL Certified 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 0.03 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 NRTL Certified AGILENT VACUUM PUMP DS302 8.2 CFM Oil Rotary Vane Ultimate Pressure 2 x 10³mbar Power 120V / 1ph	Glass Temperature Range	-90°C	-90°C to +230°C / Delta 110°C					
Dry Ice Glass Cold Trap Approximately 473mL. HUBER TEMPERATURE CONTROL CC-202C Heating Feed Flask and Main Body Jacket Temperature Range 45°C to 200°C Temperature Stability 40.02°C Controller Pilot ONE (E-grade "Basic") Heating Capacity 2kW Operating Data Bath Volume 2L Power Supply 230V 1~50/60Hz 10.0AMP NRTL Certified 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 10 20 °C Controller Pilot ONE (E-grade "Basic") Cooling Machine Air-cooled Refrigerant R290 (0.1kg) Operating Data Bath Volume 2.75L Power Supply 115V 1~50/60Hz 11.5AMP NRTL Certified AGILENT VACUUM PUMP DS302 8.2 CFM Oil Rotary Vane Ultimate Pressure 2 x 10³mbar Power	Feed Flask	2L, inc	2L, includes vent valve, therm pocket, cap, needle valve					
HUBER TEMPERATURE CONTROL CC-202C Heating Feed Flask and Main Body Jacket Temperature Range 45°C to 200°C Temperature Stability ±0.02°C Controller Pilot ONE (E-grade "Basic") Heating Capacity 2kW Operating Data Bath Volume 2L Power Supply 230V 1~50/60Hz 10.0AMP NRTL Certified 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 NRTL Certified AGILENT VACUUM PUMP D5302 8.2 CFM Oil Rotary Vane Ultimate Pressure 2 x 10³ mbar Power 120V / 1ph	PTFE Wiper	+200°0	+200°C					
CC-202C Heating Feed Flask and Main Body Jacket Temperature Range 45°C to 200°C Temperature Stability ±0.02°C Controller Pilot ONE (E-grade "Basic") Heating Capacity 2kW Operating Data Bath Volume 2L Power Supply 230V 1~50/60Hz 10.0AMP NRTL Certified 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 NRTL Certified AGILENT VACUUM PUMP D5302 8.2 CFM Oil Rotary Vane Ultimate Pressure 2 x 10° mbar Power 120V / 1ph	Dry Ice Glass Cold Trap	Appro	Approximately 473mL					
Temperature Range	HUBER TEMPERATURE CONTROL							
Temperature Stability ±0.02°C Controller Pilot ONE (E-grade "Basic") Heating Capacity 2kW Operating Data Bath Volume 2L Power Supply 230V 1~50/60Hz 10.0AMP NRTL Certified 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 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 NRTL Certified AGILENT VACUUM PUMP DS302 8.2 CFM Oil Rotary Vane Ultimate Pressure 2 x 10³ mbar Power 120V / 1ph	CC-202C Heating Feed Flask and Main Body Jacket							
Controller Pilot ONE (E-grade "Basic") Heating Capacity 2kW Operating Data Bath Volume 2L Power Supply 230V 1~50/60Hz 10.0AMP NRTL Certified 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 Cooling Machine Air-cooled Refrigerant R290 (0.1kg) Operating Data Bath Volume 2.75L Power Supply 115V 1~50/60Hz 11.5AMP NRTL Certified AGILENT VACUUM PUMP DS302 8.2 CFM Oil Rotary Vane Ultimate Pressure 2 x 10³ mbar Power 120V / 1ph	Temperature Range	45°C t	45°C to 200°C					
Departing Data Sath Volume 2L	Temperature Stability	±0.02°	±0.02°C					
Deprating Data Bath Volume 2L	Controller	Pilot C	Pilot ONE (E-grade "Basic")					
Bath Volume 2L	Heating Capacity	2kW	2kW					
Power Supply 230V 1~ 50/60Hz 10.0AMP	Operating Data							
NRTL Certified 125 Ministat Cooling Main Body Internal Condenser	Bath Volume	2L	2L					
125 Ministat Cooling Main Body Internal Condenser	Power Supply	230V 1	230V 1~ 50/60Hz 10.0AMP					
Temperature Range	NRTL Certified							
Temperature Stability ±0.02°C Controller Pilot ONE (E-grade "Basic") Cooling Capacity 100 20 0.3 0.3 0.21 0.15 0.05 kW Cooling Machine Air-cooled Refrigerant R290 (0.1kg) Operating Data Description of the property of the	125 Ministat Cooling Main Body Internal Condenser							
Controller Pilot ONE (E-grade "Basic") Cooling Capacity 100 20 0 -10 -20 0.15 0.05 kW Cooling Machine Air-cooled Refrigerant R290 (0.1kg) Operating Data Bath Volume Power Supply 115V 1~ 50/60Hz 11.5AMP NRTL Certified AGILENT VACUUM PUMP DS302 8.2 CFM Oil Rotary Vane 2 x 10-3 mbar Power 120V / 1ph	Temperature Range	-25°C	-25°C to 150°C					
Cooling Capacity 100	Temperature Stability	±0.02°	±0.02°C					
O.3 O.3 O.21 O.15 O.05 kW	Controller	Pilot C	Pilot ONE (E-grade "Basic")					
Refrigerant Operating Data Bath Volume 2.75L Power Supply 115V 1~ 50/60Hz 11.5AMP NRTL Certified AGILENT VACUUM PUMP DS302 8.2 CFM Oil Rotary Vane Ultimate Pressure 2 x 10 ⁻³ mbar Power	Cooling Capacity							
Operating Data Bath Volume 2.75L Power Supply 115V 1~ 50/60Hz 11.5AMP NRTL Certified AGILENT VACUUM PUMP DS302 8.2 CFM Oil Rotary Vane Ultimate Pressure 2 x 10 ⁻³ mbar Power 120V / 1ph	Cooling Machine	Air-co	Air-cooled					
Bath Volume 2.75L Power Supply 115V 1~ 50/60Hz 11.5AMP NRTL Certified AGILENT VACUUM PUMP DS302 8.2 CFM Oil Rotary Vane Ultimate Pressure 2 x 10 ⁻³ mbar Power 120V / 1ph	Refrigerant	R290 (R290 (0.1kg)					
Power Supply 115V 1~ 50/60Hz 11.5AMP NRTL Certified AGILENT VACUUM PUMP DS302 8.2 CFM Oil Rotary Vane Ultimate Pressure 2 x 10 ⁻³ mbar Power 120V / 1ph	Operating Data							
NRTL Certified AGILENT VACUUM PUMP DS302 8.2 CFM Oil Rotary Vane Ultimate Pressure 2 x 10 ⁻³ mbar Power 120V / 1ph	Bath Volume	2.75L	2.75L					
AGILENT VACUUM PUMP DS302 8.2 CFM Oil Rotary Vane Ultimate Pressure 2 x 10 ⁻³ mbar Power 120V / 1ph	Power Supply	115V 1	115V 1~ 50/60Hz 11.5AMP					
DS302 8.2 CFM Oil Rotary Vane Ultimate Pressure 2 x 10 ⁻³ mbar Power 120V / 1ph	NRTL Certified							
Ultimate Pressure 2 x 10 ⁻³ mbar Power 120V / 1ph	AGILENT VACUUM PUMP							
Power 120V / 1ph	DS302 8.2 CFM Oil Rotary Vane							
	Ultimate Pressure	2 x 10	2 x 10 ⁻³ mbar					
Vacuum Hardware and Connections Includes digital vacuum gauge, foreline trap, mist filter	Power	120V /	120V / 1ph					
	Vacuum Hardware and Connections	Includ	es digital v	/acuum ga	uge, fore	ine trap, n	nist filter	