

USA LAB H1-2 2L FULL BORE SHORT PATH DISTILLATION TURNKEY KIT

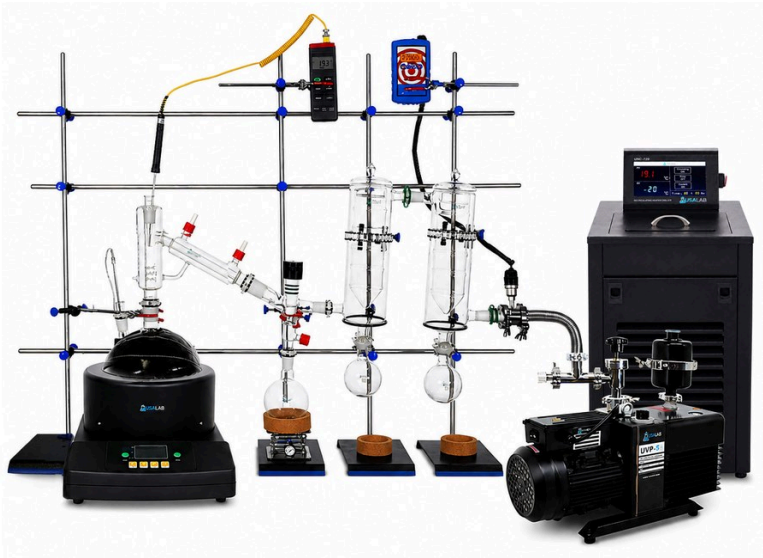
Model C-SD2L-H1TK | High Quality Boro Glass | Lattice Supported

Our 2L Short Path Distillation Kit is made with high quality Boro Glass and a wide 34/45 head to allow for excellent distillation, high production, and consistent results.

This turnkey distillation kit comes with a large 34/45 distillation head, a 34/45 vacuum take-off adapter to allow for easy switching of receiving flasks, two 24/40 cold traps for large amounts of condensing, and full-bore attachments to allow for high pulling vacuum. Choose the best quality at the best value with this lattice supported high quality glass distillation kit.

KEY FEATURES:

- **Wide 34/45 Full Bore Head** - Large distillation head delivers excellent throughput and consistent results.
- **High Quality Boro Glass** - Lattice supported glassware built for durability and repeatable performance.
- **Fast Flask Changes** - 34/45 vacuum take-off adapter allows easy switching of receiving flasks.
- **Dual Cold Traps** - Two 24/40 cold traps handle large amounts of condensing.
- **High Pulling Vacuum** - Full-bore KF25 attachments, valves, and bellow hoses throughout.
- **Complete Turnkey Kit** - Ships with mantle, heater chiller, vacuum pump, gauge, thermometer, and grease.



Optimal Capacity Per Batch
400 to 1000 mL



Main Body Flow Rate
100 to 400 grams/hour



Typical Batch Time
4 to 8 hours

COMPLETE TURNKEY PACKAGE

Everything you need to run arrives in one kit: heating mantle, heater chiller, vacuum pump, vacuum gauge, K-type thermometer, and high temperature vacuum grease. Backed by a 1 year warranty, with 2 years on the pump.

SPECIFICATIONS

Model		C-SD2L-H1TK	
Flask Size	2L / 2000mL	Optimal Capacity	400 to 1000 mL
Flask Joint Sizes	34/45 Main 24/40 Side	Batch Time	4 to 8 Hours
Distillation Head Joints	34/45 Bottom 24/40 Top 34/45 Side	Main Body Flow Rate	100 to 400 grams/hour
Isolation Adapter Joints	34/45 In 24/40 Out 24/40 Discharge	Footprint	80" x 24" x 40" incl. pump/chiller
Left Cold Trap Joint	24/40	Heating Mantle Power	110-120V, 650W
Right Cold Trap Joint	24/40	Warranty	1 Year (2 years on pump)

INCLUDED COMPONENTS

Component	Model
Heating Mantle	USA Lab 2L HeatPro Digital Heating Mantle, 300°C 2500RPM (SKU USA-XHM-2L)
Heater Chiller	USA Lab UHC-720 Compact Recirculating Heater Chiller, -20°C to 180°C, 7L, 220V
Vacuum Pump	USA Lab UVP-5 UL Listed 5CFM 2-Stage Vacuum Pump, 110-120V 60Hz 15A
Vacuum Gauge	DigiVac Bullseye Precision Vacuum Gauge
Thermometer	USA Lab USA-TM Premium Digital K-type Thermometer w/ Probe
Vacuum Grease	Apiezon PFPE 501 High Temperature Vacuum Grease, 100g

HEATING MANTLE SPECIFICATIONS

Model		USA-XHM-2L	
Flask Capacity	2L	Temperature Range	70°C to 300°C
Mantle Heater	110-120V, 650W	Max Stir Speed	2500 RPM
Motor	40W	Overall Dimensions	16.4" x 11.1" x 8" (416 x 282 x 203mm)
Gross Weight	10 kg (22 lb)	Control	Digital, HeatPro series

PACKING LIST

Complete component and quantity list for the H1-2 2L full bore short path distillation turnkey kit.

Component	Qty	Component	Qty
USA Lab 2L HeatPro Digital Mantle (USA-XHM-2L)	1	Chain Clamp for Lab Stand	2
USA Lab UVP-5 5CFM Vacuum Pump 110V	1	Stainless Steel S35 Pinch Clamp	2
USA Lab UHC-720 Heater Chiller, -20°C to 180°C, 7L	1	4" Diameter Extension Support Ring	2
DigiVac Bullseye Vacuum Gauge	1	Boss Head Clamp	18
Digital K-type Thermometer w/ Probe	1	Small Cork Stand	2
2L Thermal Shield USA Lab	1	Medium Cork Stand	1
Apiezon PFPE 501 Vacuum Grease 100g	1	6" x 8" Lab Stand	4
2L RBF, 2 neck 24/40 and 34/45 center	1	4" x 4" Lab Jack	1
2L 34/45 H1-2 Distillation Head	1	48" SS Rod	3
250mL RBF, 1 neck 24/40	2	KF25 to 24/40 PTFE Adapter	1
500mL RBF, 1 neck 24/40	1	KF25 to KF25 x 1/8" FNPT Adapter	1
34/45 Isolation Adapter	1	KF25 Bellow Hose 24"	1
24/40 Male Cold Trap	1	KF25 Bellow Hose 48" (optional cold trap)	1
24/40 Female Cold Trap	1	KF25 3-Way Tee	1
Cold Trap Lid	2	KF25 Pressure Release Valve	1
S35/20 250mL RBF	2	KF25 Right Angle Valve	1
2L Flask Thermowell 24/40	1	KF25 Wing Nut Clamp	4
2L Head Thermowell 24/40	1	KF25 Vacuum Pump Centering Ring	4
GL-18 Connection	4	Silicone Hosing 3/8"	10 ft
34/45 Keck Clamp	2	Mantle Manual	1
24/40 Keck Clamp	4	Pump Manual	1
Red Large Clamp Retort 3 Prong	4	Heater Chiller Manual	1