

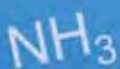
MIDI-VAP 4000

Extended Warranty*
Limited Time ONLY!

3 years of
coverage
See details inside.



The NEXT GENERATION in
environmental water & wastewater
testing is about to surface . . .



MIDI-VAP 4000

NEW!



Save Time! MIDI-VAP 4000 Systems feature a pre-programmed digital controller with automated shut-off when reaction time is completed.

Save Money! MIDI-VAP 4000 Systems use 50 mL of sample. Less start-up material means cost savings to you and less reagent waste for disposal.

Save Space! 10-position manifold heater block requires minimal lab bench space.

MIDI-VAP 4000 Ammonia and Phenol Distillation System

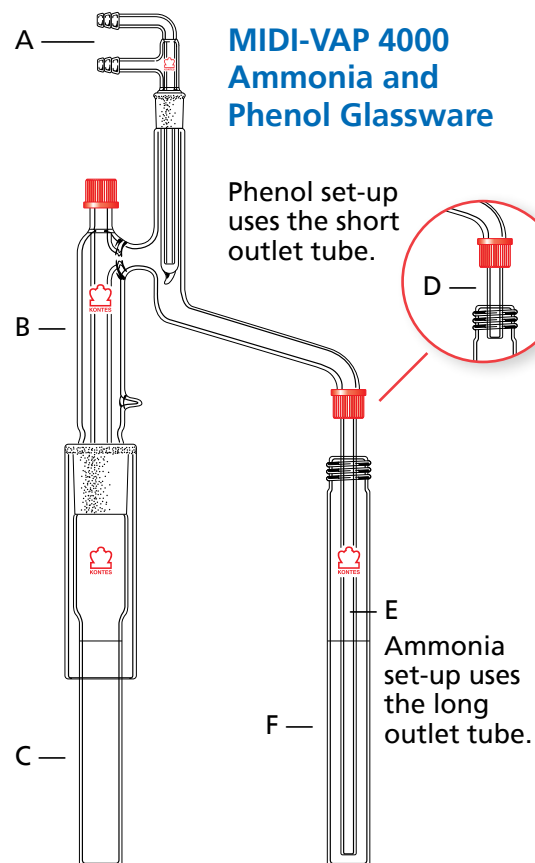
Catalog No.	Description	Case Qty.	Case Price
479490-4000	MIDI-VAP 4000 Ammonia and Phenol Complete (Includes 10 sets of glassware, heater and pre-cut tubing.)	1	8,029.40
479459-0000	MIDI-VAP 4000 Ammonia & Phenol Glassware, 1 Set	1	305.25
479459-0005	MIDI-VAP 4000 Ammonia & Phenol Glassware, 5 Sets	1	1,500.25
720440-4000	MIDI-VAP 4000 Manifold Heater, 115-V (220-V units available. Please call for quote.)	1	6,128.17

MIDI-VAP 4000 Ammonia and Phenol Glassware Set Component Parts

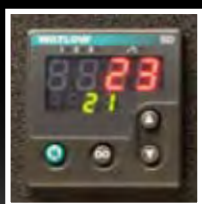
282000-0000	(A) Cold Finger Condenser	1	59.00
479456-4501	(B) Distilling Head	1	235.25
479470-0050	(C) Reaction Tube with Draft Shield, 50 mL, 29/42	1	52.50
479458-0000	(D) Short Stem Outlet Tube for Phenol	1	15.50
479458-0001	(E) Long Stem Outlet Tube for Ammonia	1	15.50
479471-0050	(F) Receiver Tube, GL25 Thread with Cap, 50 mL	1	43.70
410479-0014	High Temp. Cap, Open Top, Red, GL14 (2 supplied)	10	27.80
410480-0014	Sealing Ring, Silicone, for GL14 Cap (2 supplied)	10	52.00
410481-0014	Septa, PTFE-Faced, for GL14 Cap (2 supplied)	10	20.30

MIDI-VAP 4000 Optional / Replacement Parts

410479-0025	High Temp. Cap, Solid Top, Red, GL25	10	53.50
479400-0018	Quick Disconnect, Inner	5	53.00
479400-0014	Quick Disconnect, Outer	5	62.50
479400-0022	Quick Disconnect, Vacuum Tubing	5	44.05
479418-0043	Ammonia / Phenol Tubing Kit (includes all fittings)	1	319.80



*220-V, CE certified units available. Please contact your local Kimble Chase sales representative for a quote.



NEW! Exclusive Watlow SD Digital Controller

Features

- Pre-programmed heating cycles for dual temperature ranges
 - cyanide setting is 126 °C
 - ammonia and phenols is 165 °C
- Easy three-step setup saves time
- Automatic shutoff at test completion
- Amber light indicates heating in progress
- Easy to read LED display
- Optional temperature programming

NEW! Heater Block Features

- New PTFE gasket prevents spills from entering the interior
- Heavy-duty insulated block facilitates rapid heating
- Isolated wiring eliminates damage from spills
- Easy to adjust needle valves provide accurate control
- Brass hose barbs are impervious to chemical attack
- Consistent, even heating

MIDI-VAP 4000 Cyanide Distillation System

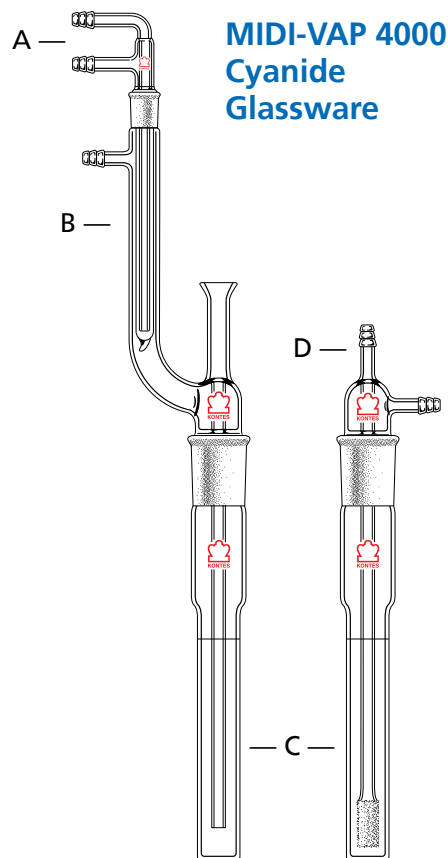
Catalog No.	Description	Case Qty.	Case Price
479400-4000	MIDI-VAP 4000 Cyanide Complete (Includes 10 sets of glassware, heater and pre-cut tubing.)	1	8,483.64
479460-0000	MIDI-VAP 4000 Cyanide Glassware, 1 Set	1	325.00
479460-0005	MIDI-VAP 4000 Cyanide Glassware, 5 Sets	1	1,546.22
720440-4000	MIDI-VAP 4000 Manifold Heater, 115-V (220-V units available. Please call for quote.)	1	6,128.17

MIDI-VAP 4000 Cyanide Glassware Set Component Parts

282000-0000	(A) Cold Finger Condenser	1	59.00
479461-0000	(B) Distilling Head	1	125.65
479455-0050	(C) Reaction / Absorption Tube, 50 mL, $\$$ 29/42, (2 supplied)	1	53.51
479462-0023	(D) Absorption Impinger, $\$$ 29/42	1	97.92

MIDI-VAP 4000 Optional / Replacement Parts

410479-0025	High Temp. Cap, Solid Top, Red, GL25	10	53.50
479400-0018	Quick Disconnect, Inner	5	53.00
479400-0014	Quick Disconnect, Outer	5	62.50
479400-0022	Quick Disconnect, Vacuum Tubing	5	44.05
479418-0046	Cyanide Tubing Kit (includes all fittings)	1	475.50



MIDI-VAP 4000 Cyanide Glassware

Extended Warranty*
Limited Time ONLY!

3 years of coverage

Take advantage of our **EXCLUSIVE OFFER!** Purchase a MIDI-VAP 4000 in 2011 and receive an extra two years of warranty coverage for **FREE!** This offer provides **three years** of total coverage on your heater block!

* Warranty offer includes heater unit only. Glassware not included.

CAUTION!

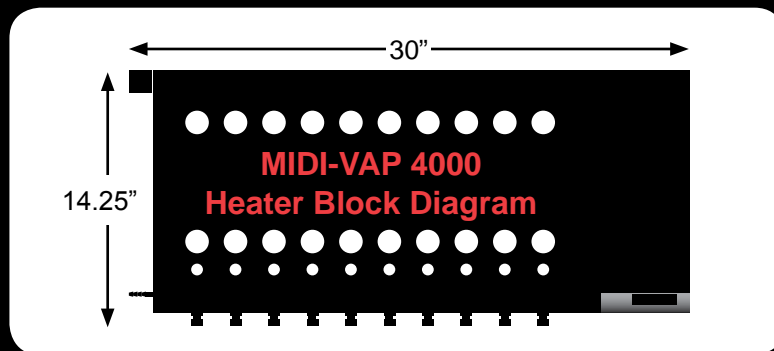
Midi-Phenol and Midi-Ammonia reactions produce toxic HCN gas. Perform these reactions under a well ventilated fume hood.



MIDI-VAP 4000

System Specifications

- Corrosion resistant PTFE-coated case
- 30" x 14.25" footprint
- 115V / 1000W / 20A
- 115V UL / CSA certified
- 220V CE certified
- Overtemp protection switch
- Automatic shutoff



Approximate Dimensions / Weight

Without Glassware: 30" L x 14.25" W x 7.5" H / ~38 lbs.
Assembled with Glassware: 30" L x 14.25" W x 20" H / ~45 lbs.

Tubing

Pre-cut with vacuum quick-disconnect fittings provided.

Accessories for Your MIDI-VAP 4000 Distillation System



Pressure / Vacuum Diaphragm Pump, 25" Hg, 1.1 CFM

A quiet, reliable vacuum source. Protected internal surfaces provide high resistance to corrosion and solvent attack. Supplied complete with a gauge, a regulator, and fittings.

Catalog No.	VAC	Hz	Amps	Case Qty.	Case Price
923910-0115	115	60	4.2	1	624.40

KIMAX® Volumetric Flask with $\bar{\pi}$ Glass Stopper

- KimCote™ plastic coating
- Single graduation ring - calibrated to contain
- Designed from ASTM Specification E288, Class A unserialized requirements
- Marking spots are durable white ceramic enamel

Catalog No.	Capacity (mL)	±Tol. (mL)	$\bar{\pi}$ Stopper	Approx. Height with Stopper (mm)	Case Qty.	Case Price
KC28014-100	100	0.08	13	180	12	607.91
KC28014-250	250	0.12	16	250	12	766.53
KC28014-500	500	0.20	19	287	12	940.96
KC28014-1000	1000	0.30	22	338	4	380.16
KC28014-2000	2000	0.50	27	400	2	240.23



KC28014



Plastic-coated glassware for an added measure of safety.



953760

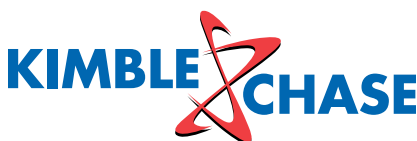
ULTRA-WARE® Heavy Wall Filter Flasks with KimCote

- KimCote® plastic coating
- Heavy wall borosilicate glass provides mechanical strength for vacuum filtration

Catalog No.	Capacity (mL)	Rubber Stopper Size	Hose Connection	Case Qty.	Case Price
953760-0000	1000	8	#2 (for 1/4" ID tubing)	1	57.93
953760-2002	2000	8	#2 (for 1/4" ID tubing)	1	162.31

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Prices are US suggested list and subject to change without notice.

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