



Product List

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Part #	Description
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Total Mercury Systems

All Total Mercury Systems include the Brooks Rand Model III CVAFS detector (#07002) with Guru™ basic integration and control software, the Amalgamation Control Module (#02100) and 1/8" tubing. Complete systems also include items as described below:

01010	Total Mercury System. 1-sample Purge & Trap Module, TDM, Model III
01020	Total Mercury System. 2-sample Purge & Trap Module, TDM, Model III
01030	Total Mercury System. 3-sample Purge & Trap Module, TDM, Model III
01040	Total Mercury System. 4-sample Purge & Trap Module, TDM, Model III
01050	Total Mercury System. 5-sample Purge & Trap Module, TDM, Model III
01120	Standard Total Mercury Analytical System for Air: Portable Air Sampler (#02200), Air Calibration Unit (#02300), 2 Gold-Coated Sand Traps (#03020)
01130	Precision Total Mercury Analytical System for Air: Precision Air Sampler with mass flow controller (#02210), Air Calibration Unit (#02300), 2 Gold-Coated Sand Traps (#03020)

Total Mercury Modules and Parts

Total Hg Modules

02010	Total Hg Purge & Trap Module 1 Bubbler w/flow meter, 2 gold traps
02020	Total Hg Purge & Trap Module 2 Bubblers w/flow meters, 4 gold traps
02030	Total Hg Purge & Trap Module 3 Bubblers w/flow meters, 6 gold traps
02040	Total Hg Purge & Trap Module 4 Bubblers w/flow meters, 8 gold traps
02041	Total Hg Purge & Trap Module 4 Bubblers & 8 gold traps (no flow meters)
02050	Total Hg Purge & Trap Module 5 Bubblers w/flow meters, 10 gold traps
02100	Amalgamation Control Module (ACM) for heating & cooling of gold traps
02101	Trap Desorption Module (TDM) w/adjustable trap heating, cooling & gas flow
02200	Portable Air Sampler. Flow range 1000-3500 mL/min
02201	Portable Air Sampler. Flow range 750-3250 mL/min
02202	Software for Portable Air Sampler (02201).
02210	Precision Air Sampler. Mass flow controller, watertight case, timer
02300	Air Calibration Unit. Manual headspace injection system with syringes.
02301	Air Calibration Unit maintenance kit 3 caps and t-port sep assy
02302	T-port for manual headspace injection.

Total Mercury Replacement and Upgrade Parts

03010	Gold Wire Trap. Blanked, ends plugged with Teflon
03020	Gold-coated quartz sand trap with Teflon end plugs (1/4" od x 10 cm)
03030	Gold-coated glass beads trap with Teflon end plugs (1/4" od x 10 cm)
03100	Gold beads - bulk
03101	Gold-coated glass beads, 1 gram
03105	Gold-coated glass beads, 5 grams
03110	Gold-coated sand, analytical grade. Bulk. Price is per gram. 30g minimum.
03111	Gold-coated sand, analytical grade. 1 gram
03115	Gold-coated sand, analytical grade. 5 grams
03200	220 mL glass bubbler with standard stopcock
03201	Standard Bubbler Stopcock
03300	Coil connection for Amalgamation Control Module (#02100).
03400	Teflon 3/8" tubing, 10 cm 4pk for Soda lime trap
03410	Soda lime trap parts kit
03411	Glass Wool-silane Treated 5 Grams

Methyl Mercury Systems

All Methyl Mercury Systems include the Brooks Rand Model III CVAFS detector (#07002) with Guru™ basic integration and control software, the GC and Pyrolysis Module (#05110), the Trap Desorption Module (#05100), Methyl Mercury standard and 1/8" tubing.

04010	Methyl Mercury 1630 manual system w/4 sample P & T and accessories
04020	Methyl Mercury 1630 manual system w/6 sample P & T and accessories
04030	Methyl Mercury 1630 manual system w/8 sample P & T and accessories
04110	MERX - Automated Methyl Mercury Analytical System w/72 Position Autosampler

Methyl Mercury Modules

05010	Methyl Mercury P & T module with 4 bubblers w/flow meters, 8 traps
05020	Methyl Mercury P & T module with 6 bubblers w/flow meters, 12 traps
05030	Methyl Mercury P & T module with 8 bubblers w/flow meters, 16 traps
05100	Trap Desorption Module for EPA 1630.
05110	GC and Pyrolysis Module for EPA 1630
05111	GC Module (without pyrolysis) for EPA 1630
05150	MERX - Automated Methyl Hg Purge and Trap Module
05160	MERX - Automated Methyl Hg GC and Pyrolysis Module
05200	Distillation system, fully enclosed heating, temp. controlled 10-slot

Methyl Mercury Parts

06010	CarboTrap for Hg speciation. Silanized, blanked w/ends plugged w/Teflon
06020	Tenax Trap for Hg Speciation. Silanized, blanked with Teflon end plugs
06025	MERX Tenax Trap for Hg Speciation. Silanized, blanked w/Teflon end plugs

06300	Coil connection for Pyrolytic Column (#06520 to #05110).
06301	Coil connection for Trap Desorption Module (#08300 to #05100).
06302	Pyrolytic coil
06500	GC column heating cylinder (oven)
06501	GC column heating cylinder (oven) with insulated lid
06510	15% OV-3 GC column (preconditioned) for Hg species separation
06511	Reconditioned 15% OV-3 GC Column
06512	GC column empty and not preconditioned
06513	GC column empty and preconditioned (acid cleaned and silanized)
06520	Pyrolytic organo-Hg breakdown quartz column with nichrome wire coil
06521	Custom pyrolytic quartz column (40cm & no packing) with nichrome wire coil.
06530	Thermocouple for GC & Pyrolysis Module (#05110)
06601	MMHg std, 1 ppm in 0.5% HOAc, 0.2% HCl, 30 mL, MMHgOH source
06603	MMHg std, custom concentration certified, 30 mL, MMHgOH source
06610	MMHg std, 1 ppm in 0.5% HOAc, 0.2% HCl, 30 mL, MMHgCl source
06613	MMHg std, custom concentration certified, 30 mL, MMHgCl source
06700	Distillation vial sets. Each set with distillation and receiving vials
06701	Distillation vial cap with 1/8" Teflon tubing and ports.
06702	Distillation vial with flat storage cap.
06710	Distillation chiller block and freezer pan
06750	Distillation vial set holder (Green)
06800	7 mL Teflon vial for ethylating reagent. 15 pack

Detector and parts, Data Acquisition, and Software

07002	Model III CVAFS Hg Detector with basic Guru integration software
07100	Replacement Lamp for Model III CVAFS detector
07110	Quartz fluorescence cell for CVAFS detector
07120	UV Photomultiplier Tube for CVAFS Detector
07130	PMT Power Supply for CVAFS Detector
07200	Data acquisition box with A/D converter for Brooks Rand Model II
07210	Data acquisition box with A/D converter for Tekran 2500.
07300	Trap controller software. For control of Trap Desorption Module.
07330	Mercury Guru™ Advanced System Software (v4.0)
07331	Mercury Guru™ Advanced System Software (v4.0) Upgrade from Guru 3.X
07332	Mercury Guru™ Advanced System Software (v4.0). 30 day free trial.
07410	MERX - 72 Position Autosampler
07901	Model III optics & PCB upgrade
07902	Model III CVAFS Diagnostic and Repair Service, per hour

General Parts

08001	Mercury removal trap. Gold-coated quartz sand, non-analytical grade
08002	Gold-coated quartz sand, non-analytical grade. Bulk. Per gram. 30g minimum
08100	Quartz wool, muffled, 5 grams.
08110	Quartz tube for gold or Tenax trap, annealed.

08201	Bubbler Stand for 1 bubbler (08210) for easy transport
08202	Bubbler Stand for 2 bubblers (08210) for easy transport
08203	Bubbler Stand for 3 bubblers (08210) for easy transport
08204	Bubbler Stand for 4 bubblers (08210) for easy transport
08205	Bubbler Stand for 5 bubblers (08210) for easy transport
08210	220 mL Glass bubbler - bottom only (no stopcock).
08300	Nichrome wire coil for heating gold trap or Tenax trap
08301	Coil connection for Variable Voltage Controller (08300 to Variac).
08400	Teflon end plug. 1/4" od & 3/8" od. Acid cleaned
08401	Teflon adapter. 1/4" x 1/4" od. 1/8" hole entire length. Acid cleaned
08402	Teflon adapter. 1/4" x 3/8" od. 1/8" hole entire length. Acid cleaned
08403	Teflon adapter. 3/8" od length. 1/8" hole entire length. Acid cleaned.
08404	Teflon tubing adapter. 3/8" od. 1/8" and 1/4" hole each end to center
08405	Teflon 1/4" heat-shrink tubing. 3 cm long. 10 pieces/pack
08406	Teflon 1/8" tubing, 25 ft.
08407	Monobarb tubing, 1" pc. Fitting for ends of gold/Tenax traps 10/pk
08410	Adapter Kit. Includes 08400 qty 10, 08401 qty 10, 08406 qty 1, 08407 qty 1
08500	Direct reading flowmeter. 0-100 mL/min for air
08501	Flowmeter Replacement for, DI02 Flow Control Panel
08502	Flowmeter Replacement for TDM/ACM Assy,
08510	Correlated reading flowmeter used for purge and trap module.
08511	Single flowmeter panel, plumbed and with stand. For purge and trap module.
08512	Two flowmeter panel, plumbed and with stand. For purge and trap module.
08513	Three flowmeter panel, plumbed and with stand. For purge and trap module.
08514	Four flowmeter panel, plumbed and with stand. For purge and trap module.
08522	2 hole flow meter stand
08524	4 hole flow meter stand

Sampling Supplies

09010	Small IC Trap for gaseous Hg. 2 bed (100mg/50mg). Single Trap.
09011	Pre-spiked small IC Trap for gaseous Hg. 2 bed (100mg/50mg). Single trap.
09012	Spare caps for small IC Traps (0901X). 100/pk
09013	Iodated Carbon Material for gaseous Hg trapping. 20g
09014	Iodated Carbon Material for gaseous Hg trapping. 100g
09015	Iodated Carbon Material for gaseous Hg trapping. 1000g
09016	Small IC Trap for gaseous Hg. 2 bed (100mg/50mg). 10 trap pack.
09017	Small IC Trap for gaseous Hg. 2 bed (100mg/50mg). 100 trap pack.
09018	Small IC Trap for gaseous Hg. 2 bed (100mg/50mg). 1000 trap pack.
09020	Silane treated glass wool plug trap for particulate air sampling
09030	Large Blank IC trap. 3 x 1g sections. 10mm OD. Qty 1/pack.
09031	Large Blank IC traps. 3 x 1g sections. 10mm OD. Qty 10/pack.
09032	Large Blank IC traps. 3 x 1g sections. 10mm OD. Qty 100/pack.
09033	Large Blank IC traps. 3 x 1g sections. 10mm OD. Qty 1000/pack.
09034	Large Spiked IC trap. 3 x 1g sections. 10mm OD. Qty 1/pack.
09035	Spare Caps for Large IC traps.. Qty 100/pack.

09040	Large Blank IC trap. 2 x 1g + 1 x 1g sections. 10-11mm OD. Qty 1/pack.
09041	Large Blank IC traps. 2 x 1g + 1 x 1g sections. 10-11mm OD. Qty 10/pack.
09042	Large Blank IC traps. 2 x 1g + 1 x 1g sections. 10-11mm OD. Qty 100/pack.
09043	Large Blank IC traps. 2 x 1g + 1 x 1g sections. 10-11mm OD. Qty 1000/pack.
09044	Large IC trap. 3x1g sections (2 blank + 1 spiked). 10-11mm OD. Qty 1/pack.
09045	Spare Caps for Large IC traps.. Qty 100/pack.
09050	High flow Hg removal canister. 1/4" inlet/outlet ports.
09100	Hg sampling kit. Certified <0.2 ng/L. 24x250mL narrowmouth FPE bottles, 100 gloves
09101	Hg bottles. Case of 24 250mL narrowmouth FPE bottles, 2x-bagged, certified <0.2 ng/L
09110	Hg sampling kit. Certified <0.2 ng/L. 24x250mL widemouth FPE bottles, 100 gloves
09111	Hg bottles. Case of 24 250mL widemouth FPE bottles, 2x-bagged, certified <0.2 ng/L
09120	MERX certified autosampler vials. 40 ml, amber, septum top. 144/case
09200	IO-5 Hg Air Sample Collection Box
09210	IO-5 Hg Air Sampling Control Box for Gaseous Hg
09220	IO-5 Hg Air Sampling Control Box for Particulate Hg
09300	Hg Wet Deposition Sampling Kit
09301	Replacement Funnel for Hg Wet Deposition Sampling Kit
09302	Replacement Thistle Tube for Hg Wet Deposition Sampling Kit
09310	PVC holder for Hg Wet Deposition Kit.

USA & Canada only

Net 30 based on credit approval – payment options: 1) Check in US Funds for any order amount, 2) Visa or MasterCard accepted for orders of \$2,000 or less, or 3) wire transfer (T/T) accepted for orders of \$1,000 or more. Late payment fees of 1.5% per month will be imposed on balances past due.

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For all product orders, there is a minimum \$10.00 charge for handling and shipping via UPS ground. Rush delivery service charges will apply.

Formal orders may be emailed directly to brl@brooksrand.com or faxed to 206-632-6017