



LABWARE

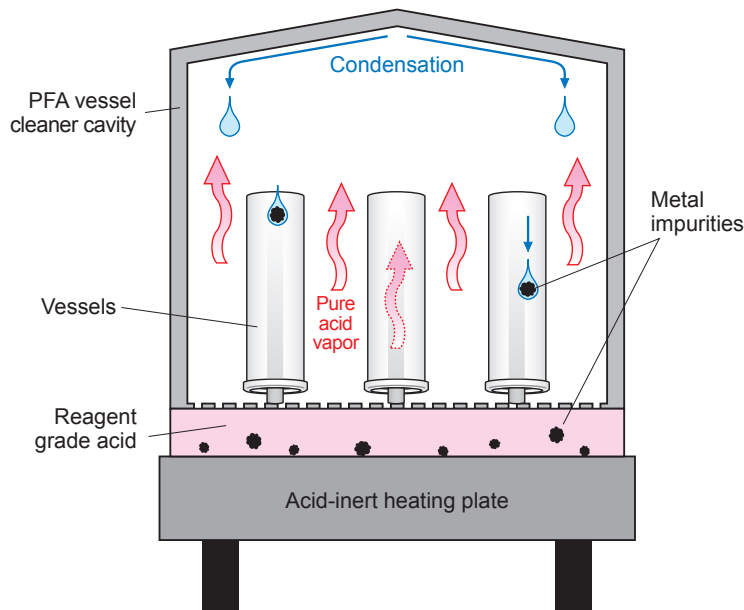
CLEANING SYSTEM

Low Acid Detection Limits
Through Clean Chemistry

Achieve low acid detection limits through clean chemistry.

Clean all your labware and digestion vessels used for ultra trace analysis in one easy-to-use, automatic system. Cleans Teflon[®], quartz, and glass items simultaneously. Finish with CEM's exclusive rinse and dry cycle, to eliminate acid handling.

How it works:



- 1 Load the vessels
- 2 Select the method
- 3 Press "Start"

The system now produces ultra clean distilled acid vapors from lower cost reagent grade acid. These vapors continuously reflux within the sealed clean chamber of the system and leach metal impurities back down into the reservoir below.



Ultra clean, when it matters most.

Results of distilled acid cleaning, using a CEM Labware Acid Cleaning System (ppb)

	Al	Ca	Cr	Cu	Fe	K	Mn	Pb
MARSXpress™ Vessels	34.411	18.019	1.218	0.573	6.817	28.394	6.210	0.172
EasyPrep™ Vessels	58.018	23.859	0.945	0.155	5.611	17.663	2.489	0.144

* Vessels were cleaned after acid digestion of NIST 1575 pine needle samples. Samples were rinsed with 25 mL of DI water and placed in the LabWare acid cleaner for 4 hours. The system was easily able to clean vessels contaminated with high ppm levels of analytes to low ppb levels, for subsequent digestions. All samples analyzed by ICP-MS.



Take control of your analytical blank.

fully automated cleaning
procedure including rinse cycle

cleans significantly better than
standard cleaning procedures

completely sealed system
no airborne contamination

cleans all labware, including CEM
vessels and ICP/ICP-MS accessories

easily fits in a fume hood

can be programmed to run overnight

no operator exposure to acids or fumes



Over 50,000 systems sold worldwide



CEM has been an ISO-certified facility since 1994



All systems serviced & supported by experts with an average of 15 years of experience



CEM invests 11% of annual revenue into R&D, the result... 11 R&D 100 awards



IQ/OQ/PQ Validation by certified CEM Technicians

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Our commitment to you doesn't end when your system is shipped; it begins.

~Michael J. Collins
President & CEO, CEM

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CEM Corporation:
PO Box 200
Matthews, NC 28106
United States
800-726-3331
704-821-7015
Fax: 704-821-7894
info@cem.com
www.cem.com

France: CEM µWave S.A.S.
Immeuble Ariane
Domaine Technologique de Saclay
4, rue Rene' Razel, 91892 ORSAY Cedex
33 (01) 69 35 57 80 • Fax: 33 (01) 60 19 64 91
info.fr@cem.com

Germany, Austria, Switzerland: CEM GmbH
Carl-Friedrich-Gauss-Str.9, 47475 Kamp-Lintfort
(49) 2842-9644-0 • Fax: (49) 2842-9644-11
info@cem.de

Ireland: CEM Technology (Ireland) Ltd.
Sky Business Centre, 9a Plato Business Park,
Damastown, Dublin 15
+353 (0) 1 885 1752 • Fax: +353 (0) 1 885 1601
info.ireland@cem.com

Italy: CEM S.R.L.
Via Dell' Artigianato, 6/8
24055 Cologno al Serio (Bg)
(39) 35-896224 • Fax: (39) 35-891661
info.srl@cem.com

Japan: CEM Japan K.K.
2-18-10 Takanawa, Minato-ku, Tokyo 108-0074
+81-3-5793-8542 • Fax: +81-3-5793-8543
info@cemjapan.co.jp

United Kingdom: CEM Microwave Technology Ltd.
2 Middle Slade, Buckingham Industrial Estate,
Buckingham MK181WA
(44) 1280-822873 • Fax: (44) 1280-822873
info.uk@cem.com

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