

Ordering Information

We are happy to accept orders by any of the following methods:

Phone: +44 (0)1837 54446

Fax: +44 (0)1837 54544

E-mail: info@microanalysis.co.uk

Mail: Elemental Microanalysis Ltd
1 Hameldown Road
Okehampton Business Park
Okehampton
Devon EX20 1UB
United Kingdom

We can invoice you in Sterling, Euro or US Dollar and accept Visa, Mastercard and American Express, account facilities are readily available for regular customers, please enquire.

Shipping worldwide

We regularly ship directly to customers in all parts of the world. Local dealers are available in many countries: contact us for details.



Available locally from:

Other literature available from Elemental Microanalysis

In addition to this catalogue a range of other catalogues and product sheets are available:

Catalogues

We publish catalogues covering the following areas of elemental analysis:

- Organic Elemental (CHN/O/S)
- Nitrogen/Protein
- Inorganic
- Carbon/Sulphur
- IRMS



Product sheets

Product sheets are available for every instrument we support. These cover all the common day-to-day items required to run your instrument.



Contract analysis service

We also offer a contract analysis service for a variety of (mainly) organic compounds. Full details are in this brochure.



All literature is available using the 'fax-back' form on the rear cover of this catalogue or can be downloaded from our website.

2 Introduction

Products for Elemental Instruments

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Products for Leco® Instruments

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Faxback form

About the Company

Elemental Microanalysis grew from small beginnings almost 30 years ago as a micro-analytical laboratory to its current form as a leading manufacturer and supplier of consumables, supplies and other products for Elemental Analysers. We operate from our purpose-built factory and laboratory complex in Devon UK.

You learn a lot in 30 years - a lot about your products - how to make them and how to use them, a lot about your customers and their needs. We have been developing, refining and using products for elemental analysis since 1976 and have a unique in-depth knowledge of instruments from all manufacturers.

These days we offer the world's largest range of products for elemental analysers sending our products to customers across the globe.

We take great care with the quality of our products. The vast majority are manufactured in-house by our trained technicians within our ISO 9001:2000 accredited quality system. But we don't just make the products - we use them every day in our own analytical laboratory giving

us constant feedback on their performance. We do not compromise on quality and don't expect you to either. Our total satisfaction guarantee backs up our commitment to our product quality.

'Price is what you pay, value is what you get'. As the leading independent supplier of elemental analysis consumables you can achieve substantial savings in comparison to the prices charged by the original supplier of your instrument. But we know that you need more from a supplier than simply low prices. You need to buy with the confidence that your analysis will not be compromised by poor quality consumables and the knowledge that your supplier has all the resources to provide the full range of support that you expect.

We will always treat our customers with honesty and integrity. If we do make a mistake we don't try to hide it - we recognise it and put it right.

We won't sell you short measure and we won't mislead you in any way. Our business is built on long-term relationships as our customers will testify - many have been with us for more than 20 years.



Guaranteed quality

Our quality system is certified to BS EN ISO 9001:2000 by LRQA under certificate no 956566 and is regularly audited by independent specialists. Our confidence in our products allows us to offer you a total satisfaction guarantee: if our product does not perform at least as well as the product brand you usually use you can return it for a full refund.



Try our products - free of charge!

Try before you buy - we have sample packs available for most elemental analysers on the market. Just let us know the instrument you have and we will send you a trial quantity of 3-4 different consumables to try - free and with no obligation. Offer limited to one per customer.

Sales service

Our sales staff will ensure that your order is despatched promptly and correctly. They can tell you about our stock levels, prices, shipping arrangements, or answer any other queries you may have.

Most orders are despatched within 24 hours of receipt. Rush orders receive special attention and are processed immediately. If you have an urgent problem or require priority despatch, please let us know.

Technical service

In this catalogue we have tried to provide the most accurate and complete information possible about our ever-expanding range. We realise, however, that you may require additional technical information. For this reason we have technical specialists on hand to answer your questions and advise you on selecting the products best suited to your needs. We can also supply samples, and even develop new products for your particular application.

Design changes

We are constantly working on improving our products and these improvements may mean that some products differ from the descriptions in this catalogue. Our technical staff are happy to discuss any improvements made, and the resultant benefits.



Terms and conditions of sale

The acceptance of any order is on the understanding that the purchaser agrees to the following Terms and Conditions of Sale:

Prices and orders

Prices can be confirmed by contacting our sales team. Both quoted and printed prices may be subject to alteration without notice. Order numbers are not required if payment can be made against invoice.

Quotations and invoices

Quotations are subject to confirmation on receipt of order. We reserve the right to amend any accidental errors or omissions.

Delivery

Although every effort will be made to honour delivery dates, no liability can be accepted if delays or non-delivery occurs.

Amendments or cancellations

Once an order is placed we consider it firm and only open to cancellation or amendment with our agreement.

Responsibility

Our responsibility is limited to the supply of goods of the type and quantity ordered and all consequential or resulting liability is expressly excluded.

Product origins

The vast majority of products are manufactured and packed in the UK by Elemental Microanalysis Ltd. The use of instrument names, instrument manufacturer names and part numbers does not imply that the products are of instrument manufacturer's origin.

Health, Safety and the Environment

We care about the effects our products may have on the health of our customers. Up to date health and safety information on relevant products (MSDS) is attached to the delivery note of every order.

Users are warned to examine and test goods and to exercise special care in cases where the use or storage of goods involves danger to people or property.

Particular care is needed with glass equipment and chemicals. We cannot accept liability for and injury or damage caused in any circumstances.

Our location, on the edge of the beautiful Dartmoor National Park, reminds us every day of our environmental responsibility. We are committed to the protection of the natural environment and ensure that any impact of our manufacturing activities is minimised.

We do not discharge hazardous effluents or atmospheric emissions in our manufacturing processes. We recycle waste metals, heat and most chemicals. Any materials that cannot be recycled are disposed of in a responsible manner. We operate a 'return to manufacturer' facility for safe disposal of used materials that we have supplied.



Capsules, Boats and Crucibles

Description	Pack	Part No.	OEM
Silver Squares 35 x 35mm	100	D2084	-

Chemical Supplies

Description	Pack	Part No.	OEM
Alumina (Aluminum Oxide) Spheres 2 to 4mm	40gm	B1090	50 008 467
Cerium Dioxide Fused Granular	100gm	B1270	05 000 469
Cerium Dioxide Granular	100gm	B1219	03 679 915
Copper Oxide Wires Fine Wires 4 x 0.5mm	250gm	B1122	05 001 039
Copper Wires Fine Wires Reduced 4 x 0.5mm	100gm	B1015M	05 000 699
Copper Wires Pound Pack Fine Wires, Reduced 4 x 0.5mm	454gm	B1083M	-
EMASorb A Granular 0.8 to 1.6mm, 14 to 25 mesh	500gm	B1162	03 679 900
Manganese Dioxide Sulphur Reduction in U-Tube	10gm	B1204	05 000 880
Platinum Catalyst 5% Pt	30gm	B1196	03 002 262
Sicapent (2.8L)	500gm	B1197	03 960 352
Silica (Quartz) Chips Granular 1 to 2mm	100gm	B1214	03 679 907
Silica (Quartz) Chips Granular 2 to 4mm	50gm	B1215	05 000 900
Silica (Quartz) Wool Very Fine	10gm	B1208	03 679 908
Silver Wool 0.05mm Fine Wire	50gm	B1231	22 131 365
Tungsten (VI) Oxide Granular	60gm	B1217	11.02-0008
Tungsten (VI) Oxide Powder	90gm	B4014	11.02-0024
Tungsten Granulated (Bulk)	2.5 kg	B1210	-
Tungsten Granulated	470gm	B1205	12.000-040
Tungsten Kit Complete, 470gm of Tungsten+25 Stainless Gauzes	-	B1203	12.01-0045



Silver Squares D2084



Alumina Spheres B1090



Cerium Dioxide Fused Granular B1270



Silver Wool, Fine Wire B1231



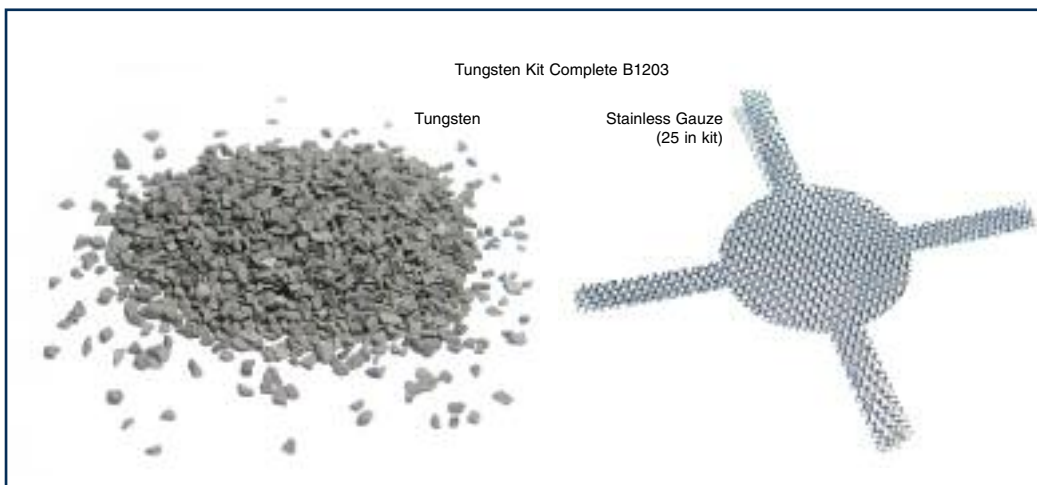
Copper Wires, Fine, Reduced B1015M



Gripper Arm and O-rings E2515

Other Operating Supplies

Description	Pack	Part No.	OEM
Absorbent/Filter Discs 14.5mm	100	E2109	-
Gloves	1 pair	E2505	05 000 094
Gripper Arm With O Rings	1	E2515	25.00-0029
Snoop Leak Detection Fluid	236ml	E2039	-
Stainless Steel Gauze Spacers (25)			
Tungsten System	25	E2250	12.011-008/4
Stainless Steel Gauze Spacers Tungsten System (Bulk Pack) (x4)	100	E2251	-
Vacuum Grease	100gm	E2240	03 968 006



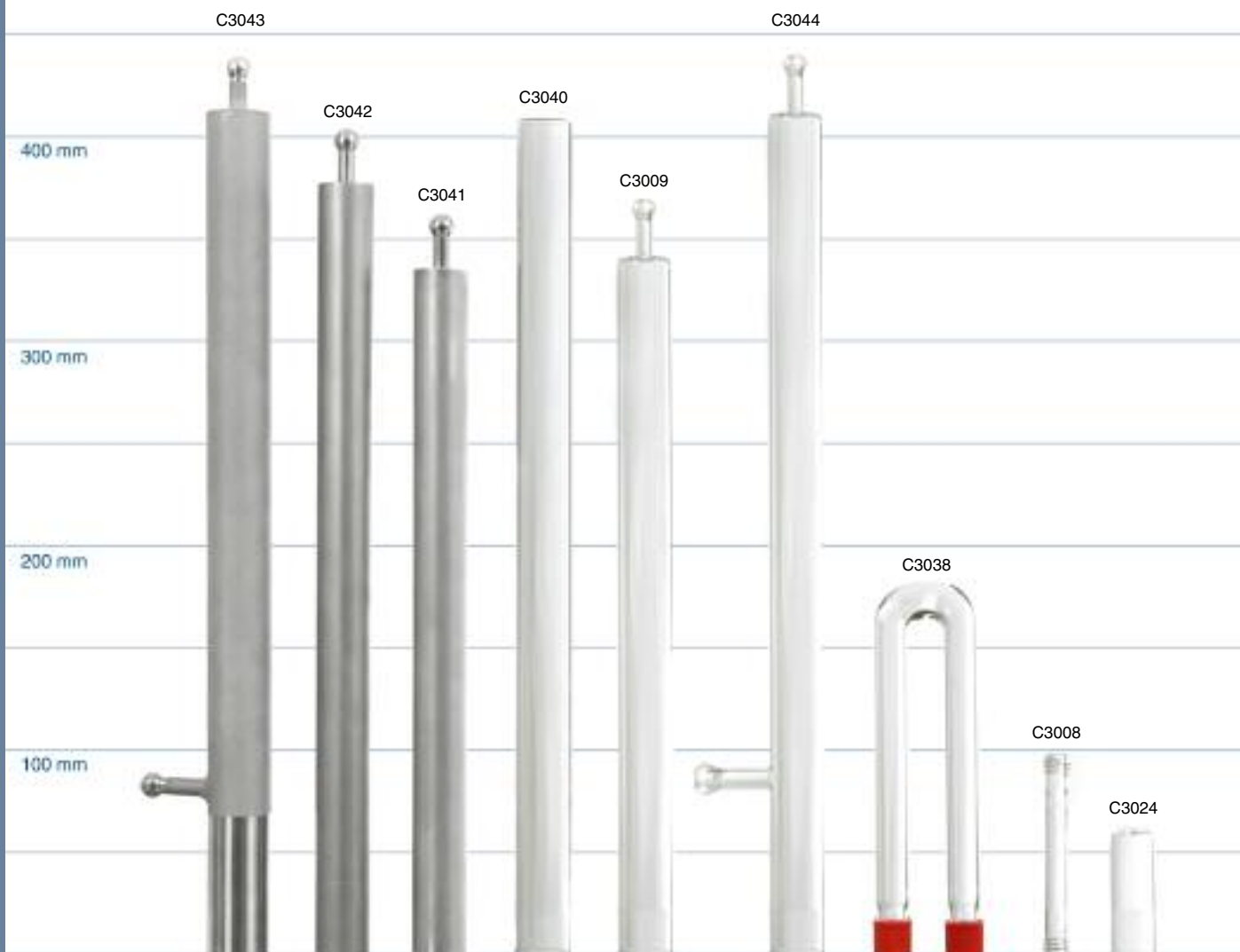
Tungsten Kit Complete B1203

Tungsten

Stainless Gauze (25 in kit)

Quartz, Glassware and Furnace Tubes

Description	Pack	Part No.	OEM
Ash Finger	-	C3024	11.02-1036/4
Combustion Tube	-	C3043	25.00-1030
Combustion Tube (from sn 12991001)	-	C3041	12.01-1036/4
Combustion Tube Quartz VarioMax	-	C3044	25.00-1028
Combustion/Reduction Tube	-	C3009	11.00-1150/4
Connecting Tube Transparent Silica 65mm	-	C3022	11.00-1331/4
Drying Guard Tube Borosilicate Elementar	-	C3008	22 160 200/4
Post Combustion Tube	-	C3042	25 00-1048
Quartz reduction/tungsten tube 29mm (from sn 12991001)	-	C3040	25.000-017
U-Tube Large Complete with GL18 Caps	-	C3038	34 001 339/4
Wire Mesh Ronde 22mm	-	C3036	12.001-004/4

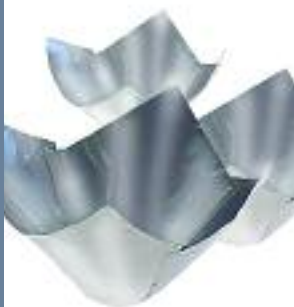


O-rings and Seals

Description	Pack	Part No.	OEM
O-ring	1	E1172	03 002 268
O-ring	1	E1173	05 000 425
O-ring for gripper arm	1	E1171	03 002 395
O-ring Silicone Rubber	1	E1066	03 654 629
O-ring Silicone Rubber	1	E1083	05 000 248
O-ring Viton Rubber	1	E1069	05 000 416
O-ring Viton Rubber	1	E1070	05 000 359
O-ring Viton Rubber	1	E1073	03 654 627
O-ring Viton Rubber	1	E1074	05 000 095
O-ring Viton Rubber	1	E1076	05 000 371
O-ring Viton Rubber	1	E1077	05 000 372
Quadring Viton Rubber	1	E1054	05 000 353
Seal Viton Rubber	1	E1050	05 000 247
Shaft Seal	1	E1555	03 002 607



Tin Foil Cones D9001



Ceramic Boats C4036



Copper Wires B1015M



Glass Wool Rope B1266



Nitrogen Catalyst B1061



Quartz Wool Strips B1192



Capsules, Boats and Crucibles

Description	Pack	Part No.	OEM
Quik Capsules, small	400	D9004	502-338
Quik Capsules, medium	400	D9005	502-382
Ceramic Boat Liner Nickel 50 x 15 x 8mm	100	D5300	502-343
Ceramic Boats Unglazed	100	C4036	529-203
Ceramic Boats Unglazed	250	C4137	528-203-250
Ceramic Boats Unglazed	50	C4038	-
Ceramic Boats Unglazed	500	C4136	528-203-500
Ceramic Crucibles	50	C4039	529-026
Copper Capsules Part Round Base 18 X 6mm	100	D4100	501-571
Crucible Ceramic	10	C4034	501-045-125
Crucible Transparent Silica	50	C4046	UK-7753
Porous Crucible	10	C4065	614-961-110
Porous Crucible	5	C4067	-
Smooth Wall Tin Capsules Round Base 18 x 5mm	100	D4003	501-059
Smooth Wall Tin Capsules Round Base 18 x 6mm	100	D4007	502-040
Smooth Wall Tin Capsules Round Base 18 x 6mm	1000	D4015	502-040-100
Smooth Wall Tin Capsules Round Base 20 x 8mm	100	D4009	502-167
Tin Foil Cones Standard Weight	100	D9001	502-186
Tin Foil Cones Standard Weight	1500	D9010	-

Quik Capsules D9004



Ceramic Crucibles C4039



Chemical Supplies

Description	Pack	Part No.	OEM
Aluminium Oxide Pellets	200gm	B1163	502-188
Combustion Aid for Liquids	454gm	B1186	501-427
Combustion Aid for Solids	454gm	B1185	501-426
Combustion Catalyst	250gm	B1184	502-321
Copper Turnings Extra Fine Long Strands Reduced & Annealed	100gm	B1136	-
Copper Turnings Fine Long Strands Reduced & Annealed	200gm	B1107	501-621
Copper Wires Fine Wires Reduced 4 x 0.5mm	100gm	B1015M	502-189
Copper Wires Pound Pack Fine Wires Reduced 4 x 0.5mm	454gm	B1083M	502-304-500
EMADrone Magnesium Perchlorate	454gm	B1161	501-171
EMASorb A Granular 0.8 to 1.6mm, 14 to 25 mesh	500gm	B1162	502-174
EMASorb B Granular 1.6 to 3mm, 7 to 14 mesh	500gm	B1164	502-176
F/Cl Trap Material	225gm	B1527	769-610
Furnace Reagent	100gm	B1191	501-609
Glass Wool Borosilicate Fibres	227gm	B1167	763-265
Glass Wool Borosilicate Fibres	454gm	B1166	501-081
Glass Wool Rope Borosilicate Fibres	227gm	B1267	763-265
Glass Wool Rope Borosilicate Fibres	454gm	B1266	501-081
Halogen Scrubber	50gm	B1269	502-351
Halogen Trap Material	200gm	B1526	769-608
Iron Chip Accelerator	908gm	B1195	501-077
Iron Wool Grade #2	454gm	B1165	502-310
Magnesium Oxide Beads	200gm	B1190	502-359
Nitrogen Catalyst Pellets	50gm	B1061	502-049
Quartz (Silica) Wool, Fine	50gm	B1102	502-177
Quartz Wool Strips	10	B1192	608-379
Quartz Wool Wadding	200gm	B1522	501-608
Vanadium Pentoxide Accelerator	250gm	B1187	501-636

Smooth Wall Tin Capsules D4003



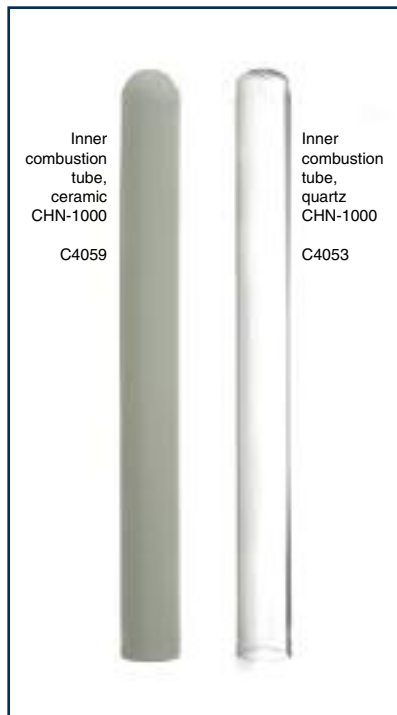
Smooth Wall Tin Capsules D4007



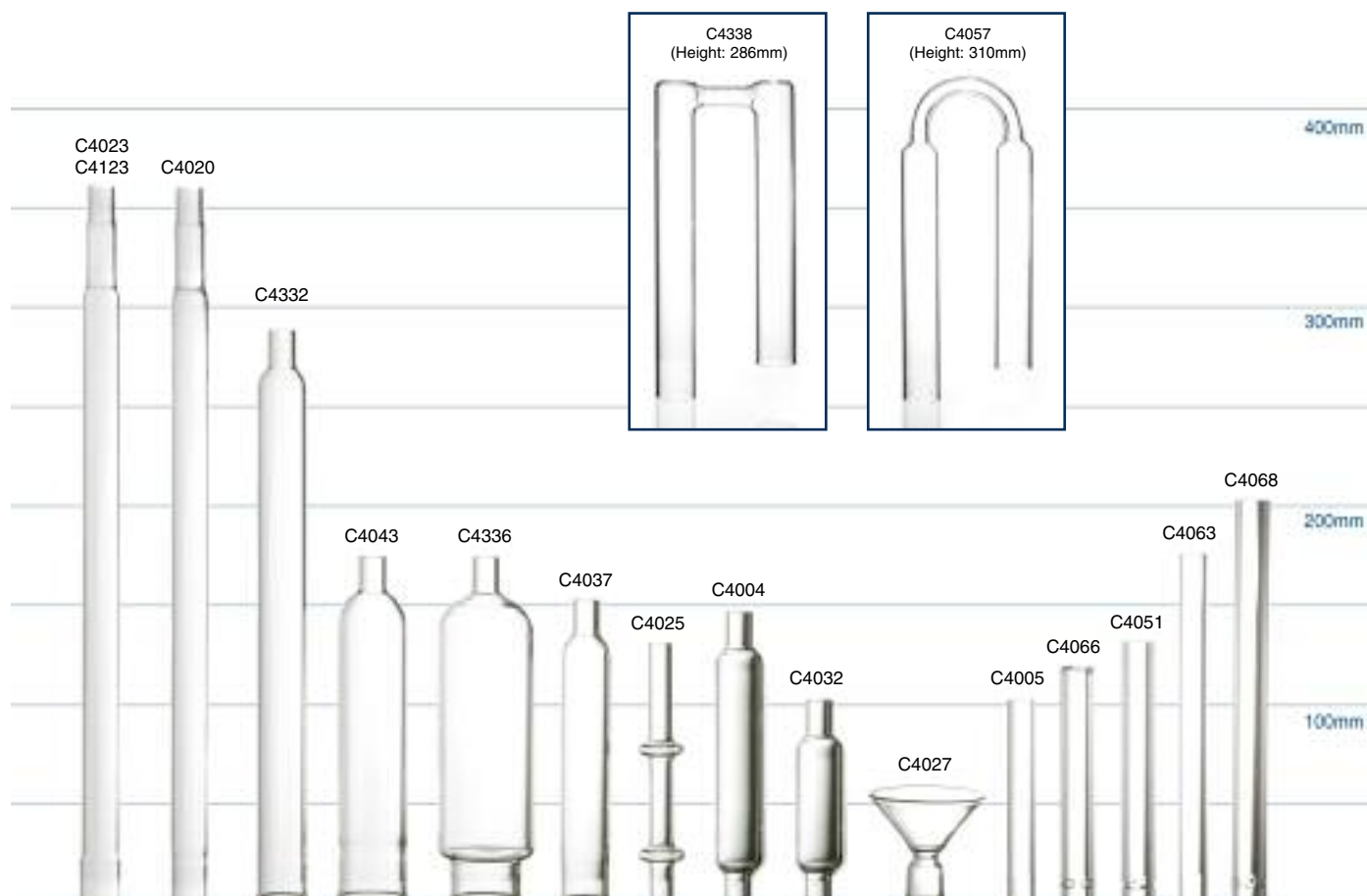
Smooth Wall Tin Capsules D4009



Quartz, Glassware and Furnace Tubes



Description	Pack	Part No.	OEM
Anhydron Tube (Large)	-	C4336	783-608
Bubble/Filter/Reagent Tube Borosilicate Glass	-	C4032	771-030
Catalyst Heater Tube Transparent Silica	-	C4023	601-437
Catalyst Heater Tube Transparent Silica pack of 5	-	C4123	-
Ceramic Stop	-	C4040	606-308
Combustion tube CHN-600	-	C4331	776-286
Combustion Tube FP-528	-	C4057	616-108
Combustion Tube Truspec	-	C4338	619-065
Combustion U Tube CHN-800	-	C4330	601-132
Filling Funnel Borosilicate Glass	-	C4027	502-023
Furnace Filter Tube Borosilicate Glass	-	C4037	601-390
Honeycomb Ceramic	-	C4058	780-899
Inner Combustion Tube Ceramic	-	C4042	606-313
Inner Combustion Tube Ceramic CNS-1000	-	C4059	608-505
Inner Combustion Tube Silica CHN-1000	-	C4053	608-342
Lance Tube Drilled	-	C4056	616-632
Outer Combustion Tube Ceramic	-	C4041	606-309
Outer Combustion Tube Ceramic CHN-1000	-	C4052	608-344
Oxygen Lance CHN-1000	-	C4068	783-278
Oxygen Lance CNS/CHN-1000	-	C4063	-
Oxygen Lance Long	-	C4051	616-146
Oxygen Lance Short	-	C4066	614-962
Oxygen Lance Transparent Silica	-	C4025	776-283
Reagent Tube	-	C4332	617-548
Reagent Tube Borosilicate Glass	-	C4004	775-601
Reagent Tube Borosilicate Glass	-	C4043	606-327
Reagent/Filter Tube Borosilicate Glass	-	C4005	775-880
Reduction Tube Transparent Silica	-	C4020	780-911



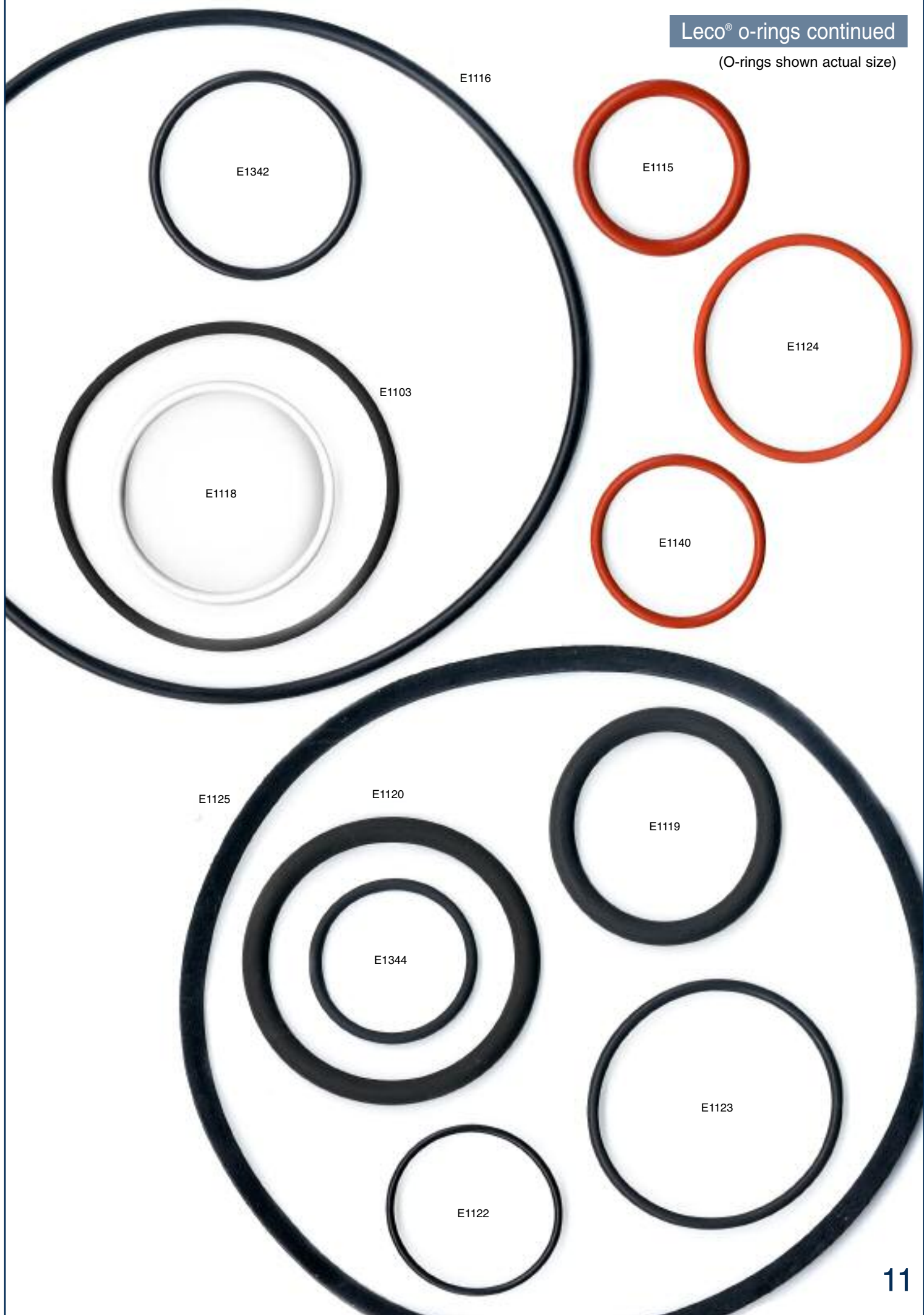
(O-rings shown actual size)

O-rings and Seals

Description	Pack	Part No.	OEM
Neoprene Gasket Ballast Seal	1	E1125	778-120
O-Ring	1	E1102	601-939
O-Ring	1	E1110	772-520
O-Ring	1	E1311	771-407
O-Ring	1	E1342	774-425
O-Ring	1	E1344	601-684
O-Ring	1	E1345	617-136
O-Ring Ballast Tank	1	E1116	778-116
O-Ring Catalyst Heater Assembly	1	E1111	772-738
O-Ring Catalyst Heater Tube	1	E1101	601-442
O-Ring Catalyst Heater Tube	1	E1131	778-114
O-Ring Combustion System	1	E1117	606-333
O-Ring Combustion System	1	E1118	611-431
O-Ring Combustion System	1	E1121	760-841
O-Ring Combustion System	1	E1123	774-489
O-Ring Combustion System	1	E1124	775-314
O-Ring Combustion Tube	1	E1115	776-284
O-Ring Combustion/Catalyst/Filter Tube	1	E1105	605-828
O-Ring Condensing Block	1	E1107	763-379
O-Ring Doser Valve Assembly pack of 10	1	E1109	772-269
O-Ring Filter Tube	1	E1133	765-976
O-Ring Inner Combustion Tube	1	E1119	611-476
O-Ring Outer Combustion Tube	1	E1120	611-477
O-Ring Precooler Assembly	1	E1122	771-991
O-Ring Reagent Tube	1	E1113	773-320
O-Ring Sample Drop Block	1	E1100	772-910
O-Ring Sample Drop Block	1	E1103	601-504
O-Ring Sample Drop Block	1	E1112	589-551
O-Ring Sample Drop Block	1	E1114	773-913
O-Ring	1	E1328	783-897
O-Ring	1	E1329	783-189
O-Ring Combustion Tube FP-528	1	E1140	616-138
O-Ring Lance Assembly FP-528 pack of 2	1	E1139	780-831
Radial Seal	1	E1134	609-271



(O-rings shown actual size)



Other Operating Supplies

Description	Pack	Part No.	OEM
Boat Puller Assembly	1	E2768	501-062
Braided Cable	1	E2736	606-319
Braided Cable (short strap)	1	E2772	613-563
Cleaning Brush	1	E2154	601-981
Cooling Fan 80x80x38mm 115VAC	1	E2170	772-992
Cooling Plate Stainless Steel	1	E2165	601-387
Crucible Tong	1	E2471	761-929
Dosing Valve Stem Stainless Steel Without O-Rings	1	E2166	601-937
Glass Scoop	1	C4060	503-032
Heating Element Clamp	1	E2204	606-320
Heating Elements Set of 4	1	E2206	606-601
Lance Assembly Complete	1	E2199	616-147
Lance Holder Block	1	E2197	783-275
Lance Holder Cover	1	E2198	783-276
O-Ring Installation Tube	1	E2464	603-350
Paper Roll SC32/132/232	1	E2244	770-764
Particle Filter	1	E2151	768-980
Particle Filter	1	E2369	616-504
Pinch Valve Tubing 1ft	1	E2150	601-691
Pneumatic Cylinder 1" Stroke 3/8" Bore	1	E2183	601-876
PolyFlow Tube 1/4" OD x 1/8" ID ft	1	E2164	537-103
Polyu Tubing 1/8" OD x 1/16" ID ft	1	E2169	773-662
Printer Paper American Letter 8.5 x 11" x 600 sheets	1	E2152	601-483
Printer Ribbon CHN600/SC32/132/232/CR12	1	E2237	770-778
Printer Ribbon Oki Data 320	1	E2153	601-484
Screw Nylon 6-32 x 1" Slotted Countersunk Head	1	E2163	190-865
Screw S/Steel 6-32 x 0.44" Philips Pan Head	1	E2162	190-055
Screw Zinc Plate 6-32x0.25" Philips Countersunk (Loading Head)	1	E2185	190-427
Screws For Lance Assembly FP-528 pack of 4	1	E2201	190-423
Seal Piston FP-228, 328, 428, 528, CHN-1000/CNS-1000	1	E2238	601-883
Secondary (screen) Filter	1	E2235	775-306
Silicone Grease 100gm	1	E2158	501-241
Snoop Leak Detection Fluid	1	E2039	502-213
Spring Dosing Valve Assembly	1	E2167	602-672
Thermocouple SC-432	1	E2205	606-224
Tube Fitting Brass 10/32 to 1/16" ID tube	1	E2182	773-661
Tube Fitting White Nylon 1/8" NPT to 3mm ID tube	1	E2181	602-605
Tubing Inserts S/Steel 1/4" x 3/16"	1	E2160	163-020
Tubing PTFE 1/4" OD x 3/16" ID ft	1	E2161	172-505
Valve Block	1	E2196	601-936



Dosing Valve Stem E2166



Particle Filter E2151



Lance Assembly Complete E2199

Valve Block E2196



Spring - Dosing Valve E2167



O-ring E1109



Cleaning Brush E2154



Dosing Valve Stem E2166



Heating Element E2206



Product	Pack	Cat. no.	OEM	Product	Pack	Cat. no.	OEM
3,5-Dinitrobenzoic Acid OAS See Certificate For Values	5gm	B2118	502-204	High Sulphur Residual Oil Sulphur Range 30%	118ml	B2330	502-071
Acetanilide OAS See Certificate For Values	25gm	B2122	-	High Sulphur Residual Oil Sulphur Range 5%	118ml	B2334	-
Acetanilide OAS See Certificate For Values	5gm	B2114	03 679 942	High Sulphur Residual Oil Sulphur Range 6%	118ml	B2333	-
Alfalfa Organic Analytical Standard	30gm	B2273	502-273	Low Organic Content Soil Standard OAS			
Algae (Bladderwrack) Standard See Certificate For Values	30gm	B2164	-	See Certificate For Values	30gm	B2152	-
Algae (Spirulina) Standard See Certificate For Values	30gm	B2162	-	Methionine OAS Nitrogen Only			
Aspartic Acid OAS See Certificate For Values	100gm	B2138	88 895 805	See Certificate For Values	50gm	B2101	-
Aspartic Acid OAS See Certificate For Values	10gm	B2139	-	Methionine OAS See Certificate For Values	25gm	B2100	-
Atropine OAS See Certificate For Values	10gm	B2006	-	Oatmeal Organic Analytical Standard	30gm	B2276	502-276
Barley Organic Analytical Standard	30gm	B2277	502-277	Olive stone Standard See Certificate For Values	30gm	B2170	-
Birch leaf Standard See Certificate For Values	30gm	B2166	-	Orchard Leaves Standard	20gm	B2141	502-055
Caffeine OAS See Certificate For Values	5gm	B2104	502-205	Paraffin Standard	150ml	B2200	-
Calcium Carbonate 12%	50gm	B2250	501-034	Pasta Reference Material	10gm	B2140	-
Chitin Standard See Certificate For Values	30gm	B2160	-	Phenylalanine OAS See Certificate For Values	25gm	B2148	05 001 169
Coal Standard Sulphur Range 0.3%	50gm	B2300	501-001	Protein Standard OAS See Certificate For Values	30gm	B2154	-
Coal Standard Sulphur Range 0.5%	50gm	B2301	502-202	Residual Oil Standard Sulphur Range 0.1%	118ml	B2360	-
Coal Standard Sulphur Range 0.7%	50gm	B2302	-	Residual Oil Standard Sulphur Range 0.2%	118ml	B2361	-
Coal Standard Sulphur Range 0.85%	50gm	B2303	501-015	Residual Oil Standard Sulphur Range 0.3%	118ml	B2362	-
Coal Standard Sulphur Range 1%	50gm	B2304	501-005	Residual Oil Standard Sulphur Range 0.4%	118ml	B2363	-
Coal Standard Sulphur Range 1.5%	50gm	B2305	501-014	Residual Oil Standard Sulphur Range 0.5%	118ml	B2364	-
Coal Standard Sulphur Range 2%	50gm	B2306	767-757	Residual Oil Standard Sulphur Range 0.6%	118ml	B2365	-
Coal Standard Sulphur Range 2.5%	50gm	B2307	767-758	Residual Oil Standard Sulphur Range 0.7%	118ml	B2366	-
Coal Standard Sulphur Range 3%	50gm	B2308	501-520	Residual Oil Standard Sulphur Range 0.8%	118ml	B2367	-
Coal Standard Sulphur Range 3.5%	50gm	B2309	501-022	Residual Oil Standard Sulphur Range 0.9%	118ml	B2368	-
Coal Standard Sulphur Range 4%	50gm	B2310	501-130	Residual Oil Standard Sulphur Range 1%	118ml	B2369	-
Coal Standard Sulphur Range 5%	50gm	B2311	501-184	Residual Oil Standard Sulphur Range 1.5%	118ml	B2370	-
Coal Standard Sulphur Range 6%	50gm	B2312	501-964	Residual Oil Standard Sulphur Range 2%	118ml	B2371	-
Coconut shell Standard See Certificate For Values	30gm	B2168	-	Residual Oil Standard Sulphur Range 2.5%	118ml	B2372	-
Coke Standard Sulphur Range 0.5%	50gm	B2317	-	Residual Oil Standard Sulphur Range 3%	118ml	B2373	-
Coke Standard Sulphur Range 0.7%	50gm	B2315	-	Residual Oil Standard Sulphur Range 3.5%	118ml	B2374	-
Coke Standard Sulphur Range 0.9%	50gm	B2316	767-759	Residual Oil Standard Sulphur Range 4%	118ml	B2375	-
Corn Gluten Organic Analytical Standard	30gm	B2272	502-272	Residual Oil Standard Sulphur Range 4.5%	118ml	B2376	-
Corn Meal Organic Analytical Standard	30gm	B2270	501-563	Rice Flour Organic Analytical Standard	30gm	B2278	502-278
Cystine OAS See Certificate For Values	5gm	B2105	502-207	Rye Flour Organic Analytical Standard	30gm	B2275	502-275
EDTA OAS See Certificate For Values	25gm	B2120	-	Sorghum Flour Standard OAS			
EDTA See Certificate For Values	50gm	B2115	502-092	See Certificate For Values	30gm	B2158	-
Ethylenediaminetetra-acetic Acid (EDTA)				Soy Bean Meal Organic Analytical Standard	30gm	B2271	501-561
See Certificate For Values	50gm	B2146	-	Stearic Acid OAS See Certificate For Values	5gm	B2102	502-203
Ethylenediaminetetra-acetic Acid (EDTA) OAS				Sucrose OAS See Certificate For Values	25gm	B2121	501-046
See Certificate For Values	100gm	B2137	-	Sulphamethazine OAS See Certificate For Values	25gm	B2107	-
Extreme Pressure Oil Sulphur Range 2%	118ml	B2336	501-967	Sulphamethazine OAS See Certificate For Values	5gm	B2106	502-209
Extreme Pressure Oil Sulphur Range 3%	118ml	B2337	501-968	Tryptophan OAS See Certificate For Values	100gm	B2142	-
Extreme Pressure Oil Sulphur Range 4%	118ml	B2338	501-969	Urea OAS See Certificate For Values	10gm	B2130	-
High Organic Content Sediment Standard OAS				Urea OAS See Certificate For Values	25gm	B2119	-
See Certificate For Values	30gm	B2150	-	Wheat Flour Organic Analytical Standard	30gm	B2274	502-274
High Sulphur Residual Oil Sulphur Range 10%	118ml	B2332	-	Wheat Flour Standard OAS See Certificate For Values	30gm	B2156	-
High Sulphur Residual Oil Sulphur Range 20%	118ml	B2331	-	Zinc Sulphide Standard	50gm	B2260	502-085



Elementar

OEM Part No	Description	Cat. No
03 002 262	Platinum Catalyst 5% Pt 30gm	B1196
03 002 268	O Ring	E1172
03 002 395	O Ring for gripper arm	E1171
03 651 010	Tubing Elementar 25	E2511
03 654 627	O Ring Viton Rubber	E1073
03 654 629	O Ring Silicone Rubber	E1066
03 679 900	EMASorb A Granular 0.8 to 1.6mm, 14 to 25 mesh 500gm	B1162
03 679 901	EMADrone Magnesium Perchlorate 454gm	B1161
03 679 907	Silica (Quartz) Chips Granular 1 to 2mm 100gm	B1214
03 679 908	Silica (Quartz) Wool Very Fine 10gm	B1208
03 679 915	Cerium Dioxide Granular 100gm	B1219
03 679 942	Acetanilide OAS 5gm	B2114
03 960 352	Sicapent (2.8L)	B1197
03 968 006	Vacuum Grease 100gm	E2240
03 002 607	Shaft Seal	E1555
05 000 094	Gloves Pair	E2505
05 000 095	O Ring Viton Rubber	E1074
05 000 247	Seal Viton Rubber	E1050
05 000 248	O Ring Silicone Rubber	E1083
05 000 311	Smooth Wall Tin Capsules Round Base 20 x 8mm pack of 100	D4009
05 000 353	Quadring Viton Rubber	E1054
05 000 359	O Ring Viton Rubber	E1070
05 000 371	O Ring Viton Rubber	E1076
05 000 372	O Ring Viton Rubber	E1077
05 000 416	O Ring Viton Rubber	E1069
05 000 425	O Ring	E1173
05 000 429	Tin Foil Cones Standard Weight pack of 100	D9001
05 000 469	Cerium Dioxide Fused Granular 100gm	B1270
05 000 699	Copper Wires Fine Wires Reduced 4 x 0.5mm 100gm	B1015M
05 000 880	Manganese Dioxide Sulphur Reduction in U-Tube 10gm	B1204
05 000 900	Silica (Quartz) Chips Granular 2 to 4mm 50gm	B1215
05 001 013	Rapid Caps 05 001 013 Pack of 190	D1117
05 001 039	Copper Oxide Wires Fine Wires 4 x 0.5mm 250gm	B1122
05 001 169	Phenylalanine OAS 25gm	B2148
11.00-1150/4	Combustion/Reduction Tube	C3009
11.00-1331/4	Connecting Tube Transparent Silica 65mm	C3022
11.02-0008	Tungsten (VI) Oxide Granular 60gm	B1217
11.02-0024	Tungsten (VI) Oxide Powder 90gm	B4014
11.02-1036/4	Ash Finger	C3024
12.00-0040	Tungsten Granulated 470gm	B1205
12.00-1004/4	Wire Mesh Ronde 22mm	C3036
12.01-0045	Tungsten Kit Complete 470gm of Tungsten+25 Stainless Gauzes	B1203
12.01-1008/4	Stainless Steel Gauze Spacers (25) Tungsten System pack of 25	E2250
12.01-1036/4	Combustion Tube (from sn 12991001)	C3041
22 131 365	Silver Wool 0.05mm Fine Wire 50gm	B1231
22 160 200/4	Drying Guard Tube Borosilicate Elementar	C3008
25 00-1048	Post Combustion Tube	C3042
25.00-0029	Gripper Arm With O Rings	E2515
25.00-0017	Quartz reduction/tungsten tube 29mm (from sn 12991001)	C3040
25.00-1028	Combustion Tube Quartz VarioMax	C3044
25.00-1030	Combustion Tube	C3043
25.20-1003	Connecting Tube Transparent Silica 130mm	C3025
34 001 339/4	U-Tube Large Complete with GL18 Caps	C3038
50 008 467	Alumina (Aluminum Oxide) Spheres 2 to 4mm 40gm	B1090
88 895 805	Aspartic Acid OAS 100gm	B2138

Elementar OEM Part: The use of Elementar part numbers is intended for convenience only, and does not imply that the products are of Elementar origin. All Elemental Microanalysis products are guaranteed to be of high quality and are deemed to be suitable alternatives.

Leco®

OEM Part No	Description	Cat. No
163-020	Tubing Inserts S/Steel 1/4" x 3/16"	E2160
172-505	Tubing PTFE 1/4" OD x 3/16" ID 172-505 ft	E2161
190-055	Screw S/Steel 6-32 x 0.44" Phillips Pan Head	E2162
190-423	Screws For Lance Assembly FP-528 pack of 4	E2201
190-427	Screw Zinc Plate 6-32 x 0.25" Phillips Countersunk (Loading Head)	E2185
190-865	Screw Nylon 6-32 x 1" Slotted Countersunk Head	E2163
501-001	Coal Standard Sulphur Range 0.3% 50gm	B2300
501-005	Coal Standard Sulphur Range 1% 50gm	B2304
501-014	Coal Standard Sulphur Range 1.5% 50gm	B2305
501-015	Coal Standard Sulphur Range 0.85% 50gm	B2303
501-022	Coal Standard Sulphur Range 3.5% 50gm	B2309
501-034	Calcium Carbonate 12% 50gm	B2250
501-045	Crucible Ceramic pack of 10	C4034
501-045-125	Crucible Ceramic pack of 10	C4034
501-046	Sucrose OAS 25gm	B2121
501-053	Acetanilide OAS 5gm	B2114
501-059	Smooth Wall Tin Capsules Round Base 18 x 5mm pack of 100	D4003
501-062	Boat Puller Assembly	E2768
501-077	Iron Chip Accelerator 908gm	B1195
501-081	Glass Wool Borosilicate Fibres 454gm	B1166
501-081	Glass Wool Rope Borosilicate Fibres 454gm	B1266
501-130	Coal Standard Sulphur Range 4% 50gm	B2310
501-171	EMADrone Magnesium Perchlorate 454gm	B1161
501-184	Coal Standard Sulphur Range 5% 50gm	B2311
501-241	Silicone Grease 100gm	E2158
501-426	Combustion Aid for Solids 454gm	B1185
501-427	Combustion Aid for Liquids 454gm	B1186
501-520	Coal Standard Sulphur Range 3% 50gm	B2308
501-561	Soy Bean Meal Organic Analytical Standard 30gm	B2271
501-563	Corn Meal Organic Analytical Standard 30gm	B2270
501-571	Copper Capsules Part Round Base 18 X 6mm pack of 100	D4100
501-608	Quartz Wool Wadding 200gm	B1522
501-609	Furnace Reagent 100gm	B1191
501-614	Spatula	E2462
501-621	Copper Turnings Fine Long Strands Reduced & Annealed 200gm	B1107
501-636	Vanadium Pentoxide Accelerator 250gm	B1187
501-964	Coal Standard Sulphur Range 6% 50gm	B2312
501-967	Extreme Pressure Oil Sulphur Range 2% 118ml	B2336
501-968	Extreme Pressure Oil Sulphur Range 3% 118ml	B2337
501-969	Extreme Pressure Oil Sulphur Range 4% 118ml	B2338
502-023	Filling Funnel Borosilicate Glass	C4027
502-040	Smooth Wall Tin Capsules Round Base 18 x 6mm pack of 100	D4007
502-040-100	Smooth Wall Tin Capsules Round Base 18 x 6mm pack of 1000	D4015
502-049	Nitrogen Catalyst Pellets 50gm	B1061
502-055	Orchard Leaves Standard 20gm	B2141
502-071	High Sulphur Residual Oil Sulphur Range 30% 118ml	B2330
502-085	Zinc Sulphide Standard 50gm	B2260
502-092	EDTA See Certificate For Values 50gm	B2115
502-167	Smooth Wall Tin Capsules Round Base 20 x 8mm pack of 100	D4009
502-174	EMASorb A Granular 0.8 to 1.6mm, 14 to 25 mesh 500gm	B1162
502-176	EMASorb B Granular 1.6 to 3mm, 7 to 14 mesh 500gm	B1164
502-177	Quartz (Silica) Wool Fine 50gm	B1102
502-181	Tungsten (VI) Oxide Granular 60gm	B1217
502-186	Tin Foil Cones Standard Weight pack of 100	D9001
502-188	Aluminium Oxide Pellets 200gm	B1163
502-189	Copper Wires Fine Wires Reduced 4 x 0.5mm 100gm	B1015M
502-202	Coal Standard Sulphur Range 0.5% 50gm	B2301
502-203	Stearic Acid OAS 5gm	B2102
502-204	3,5-Dinitrobenzoic Acid OAS 5gm	B2118
502-205	Caffeine OAS 5gm	B2104
502-207	Cystine OAS 5gm	B2105
502-209	Sulphamethazine OAS See Certificate For Values 5gm	B2106
502-213	Snoop Leak Detection Fluid 236ml/8 fluid ozs	E2039
502-272	Corn Gluten Organic Analytical Standard 30gm	B2272
502-273	Alfalfa Organic Analytical Standard 30gm	B2273
502-274	Wheat Flour Organic Analytical Standard 30gm	B2274
502-275	Rye Flour Organic Analytical Standard 30gm	B2275
502-276	Oatmeal Organic Analytical Standard 30gm	B2276
502-277	Barley Organic Analytical Standard 30gm	B2277
502-278	Rice Flour Organic Analytical Standard 30gm	B2278
502-304-500	Copper Wires Pound Pack Fine Wires Reduced 4 x 0.5mm 454gm	B1083M
502-310	Iron Wool Grade #2 454gm	B1165
502-321	Combustion Catalyst 250gm	B1184

Leco® (continued)

OEM Part No	Description	Cat. No
502-338	Gel Capsules, Small pack of 400	D9004
502-343	Ceramic Boat Liner Nickel 50 x 15 x 8mm pack of 100	D5300
502-351	Halogen Scrubber 50gm	B1269
502-359	Magnesium Oxide Beads 200gm	B1190
502-382	Gel Capsules, Medium pack of 400	D9005
503-032	Glass Scoop	C4060
528-203-250	Ceramic Boats Unglazed Pack of 250	C4137
528-203-500	Ceramic Boats Unglazed Pack of 500	C4136
529-026	Ceramic Crucibles pack of 50	C4039
529-203	Ceramic Boats Unglazed Pack of 100	C4036
537-103	PolyFlow Tube 1/4" OD x 1/8" ID 537-103 ft	E2164
589-551	O Ring Sample Drop Block	E1112
601-132	Combustion U Tube CHN	C4330
601-387	Cooling Plate Stainless Steel	E2165
601-390	Furnace Filter Tube Borosilicate Glass	C4037
601-437	Catalyst Heater Tube Transparent Silica	C4023
601-442	O Ring Catalyst Heater Tube	E1101
601-483	Printer Paper American Letter 8.5 x 11" x 600 sheets	E2152
601-484	Printer Ribbon Oki Data 320	E2153
601-504	O Ring Sample Drop Block	E1103
601-684	O Ring	E1344
601-691	Pinch Valve Tubing ft	E2150
601-876	Pneumatic Cylinder 1" Stroke 3/8" Bore	E2183
601-883	Seal Piston FP-228, 328, 428, 528, CHN-1000/CNS-1000	E2238
601-936	Valve Block	E2196
601-937	Dosing Valve Stem Stainless Steel Without O Rings	E2166
601-939	O Ring	E1102
601-981	Cleaning Brush	E2154
602-605	Tube Fitting White Nylon 1/8" NPT to 3mm ID tube	E2181
602-672	Spring Dosing Valve Assembly	E2167
603-350	O-Ring Installation Tube	E2464
605-828	O Ring Combustion/Catalyst/Filter Tube	E1105
606-224	Thermocouple SC-432	E2205
606-308	Ceramic Stop	C4040
606-309	Outer Combustion Tube Ceramic	C4041
606-313	Inner Combustion Tube Ceramic	C4042
606-319	Braided Cable	E2736
606-320	Heating Element Clamp	E2204
606-327	Reagent Tube Borosilicate Glass	C4043
606-333	O Ring Combustion System	E1117
606-601	Heating Elements Set of 4	E2206
608-342	Inner Combustion Tube Silica CHN-1000	C4053
608-344	Outer Combustion Tube Ceramic CHN-1000	C4052
608-379	Quartz Wool Strips - pack of 10	B1192
608-505	Inner Combustion Tube Ceramic CNS-1000	C4059
609-271	Radial Seal	E1134
611-431	O Ring Combustion System	E1118
611-476	O Ring Inner Combustion Tube	E1119
611-477	O Ring Outer Combustion Tube	E1120
613-563	Braided Cable (short strap)	E2772
614-961-110	Porous Crucible (Pack of 10)	C4065
614-962	Oxygen Lance Short (lance length 4.75")	C4066
616-108	Combustion Tube FP-528	C4057
616-138	O-Ring Combustion Tube FP-528	E1140
616-146	Oxygen Lance Long (Lance length 5.25")	C4051
616-147	Lance Assembly Complete	E2199
616-504	Particle Filter	E2369
616-632	Lance Tube Drilled	C4056
617-136	O Ring	E1345
617-548	Reagent Tube	C4332
619-065	Combustion Tube Truspec	C4338
760-841	O Ring Combustion System	E1121
761-929	Crucible Tong	E2471
763-265	Glass Wool Borosilicate Fibres 227gm	B1167
763-265	Glass Wool Rope Borosilicate Fibres 227gm	B1267
763-379	O Ring Condensing Block	E1107
765-976	O Ring Filter Tube	E1133
767-757	Coal Standard Sulphur Range 2% 50gm	B2306
767-758	Coal Standard Sulphur Range 2.5% 50gm	B2307
767-759	Coke Standard Sulphur Range 0.9% 50gm	B2316
768-980	Particle Filter	E2151
769-608	Halogen Trap Material 200gm	B1526
769-610	F/Cl Trap Material 225gm	B1527

OEM Part No	Description	Cat. No
770-764	Paper Roll SC-32/132/232	E2244
770-778	Printer Ribbon CHN-600/SC-32/132/232/CR-12	E2237
771-030	Bubble/Filter/Reagent Tube Borosilicate Glass	C4032
771-407	O Ring	E1311
771-991	O Ring Precooler Assembly	E1122
772-269	O Ring Doser Valve Assembly pack of 10	E1109
772-520	O Ring	E1110
772-738	O Ring Catalyst Heater Assembly	E1111
772-910	O Ring Sample Drop Block	E1100
772-992	Cooling Fan 80x80x38mm 115VAC	E2170
73-320	O Ring Reagent Tube	E1113
773-661	Tube Fitting Brass 10/32 to 1/16" ID tube	E2182
773-662	Polyu Tubing 1/8" OD x 1/16" ID ft	E2169
773-913	O Ring Sample Drop Block	E1114
774-425	O Ring	E1342
774-489	O Ring Combustion System	E1123
775-306	Secondary (screen) Filter	E2235
775-314	O Ring Combustion System	E1124
775-601	Reagent Tube Borosilicate Glass	C4004
775-880	Reagent/Filter Tube Borosilicate Glass	C4005
776-283	Oxygen Lance Transparent Silica	C4025
776-284	O Ring Combustion Tube	E1115
776-286	Combustion tube CHN-600	C4331
778-114	O Ring Catalyst Heater Tube	E1131
778-116	O Ring Ballast Tank	E1116
778-120	Neoprene Gasket Ballast Seal	E1125
780-831	O-Ring Lance Assembly FP-528 pack of 2	E1139
780-899	Honeycomb Ceramic	C4058
780-911	Reduction Tube Transparent Silica	C4020
781-585	Thermocouple Type S	E2371
783-189	O-Ring	E1329
783-275	Lance Holder Block	E2197
783-276	Lance Holder Cover	E2198
783-278	Oxygen Lance CHN-1000	C4068
783-608	Anhydrous Tube (Large)	C4336
783-897	O-Ring	E1328
UK-7753	Crucible Transparent Silica pack of 50	C4046

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- Elementar Vario Max N/CN
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