

High Pressure Capsule Sealing Tool

This reliable sealing tool is fast and precise. It employs a built-in torque clutch which guarantees that all capsules are closed with the same torque.



Description	Part No.
High-Pressure Capsule Sealing Tool	B0182864

Quick Press

The Quick Press is a convenient device for sealing stainless steel pans, covers and o-rings (03190218 and 03190029). Requires but does not include spacer die (03191047).



Description	Part No.
Quick Press	09908467
Quick Press Spacer Die	03191047

High Pressure Sample Pans (24 to 150 bar)

Pans contain the sample in a sealed environment throughout an experiment. The sealing suppresses the vaporization of a solvent or contains a volatile reaction product, thereby eliminating the interfering effects of the heat of vaporization.



Stainless Steel Pans with O-rings

Sample Pan	Operating Range	Vol. (μL)	Max Pressure	Qty.	Crimper (Sealer)	Part No.
▶ Stainless Steel Pans, Covers and O-rings	-40° to 300 °C	60	24 bar	20	B0139005 with B0505340 -or- 09908467 with 03191047	03190218
▶ Stainless Steel Pans, Covers and O-rings	-40° to 300 °C	60	24 bar	1,000	B0139005 with B0505340 -or- 09908467 with 03191047	03190029
▶ P20 High Pressure Pans and Covers	-170° to 310 °C	20	100 bar		09908467 with 03191047	L90004786
▶ High Pressure Stainless Steel Pans, Covers and Seals	-170° to 300 °C	30	150 bar	5	B0182864	B0182901
▶ High Pressure Gold-plated Pans and Covers	-170° to 400 °C	30	150 bar	5	B0182864	B0182902
▶ High Pressure Titanium Pans, Covers and Seals	-170° to 400 °C	30	150 bar	5	B0182864	B0182903
▶ Aluminum Sample Pans and Covers, High Volume	-170° to 500 °C	70	30 bar	40	N5356027 or N5356028	N5356002
▶ Aluminum Sample Pans and Covers, Small Volume	-170° to 500 °C	15	30 bar	40	N5356027 or N5356028	N5356003

¹ Reusable, includes 5 Pans and 20 Gold-plated Seals, uses Replacement Seals (B0182905)

² Reusable, includes 5 Pans and 20 Titanium Seals, uses Replacement Seals (B0185054)

³ Electric Sealer (N5356028) requires Hermetic Die (N5356032) and Stage (N5356035), included with Manual Sealer

Specialty Sample Pans and Covers

Sample Pan	Operating Range	Vol. (μL)	Max Pressure	Qty.	Crimper (Sealer)	Part No.
▶ Alumina Pans and Covers	-170° to 730 °C	40	Ambient	6	Not Required	N5190180
▶ Standard Copper Pans and Covers	-170° to 730 °C	40	Ambient	200	02190048	03190026
▶ Heat Treated Aluminum Pans and Covers	-170° to 600 °C	40	Ambient	100	Not Required	N5340188
▶ Graphite Sample Pans and Covers	-170° to 600 °C	40	Ambient	4	Not Required	03190025
▶ Gold Sample Pans and Covers	-170° to 730 °C	40	Ambient	10	Not Required	02190042
▶ Copper Sample Pans ¹	-170° to 800 °C	45	Ambient	200	Not Required	N5356021
▶ Aluminum Sample Pans, High Volume	-170° to 600 °C	90	Ambient	200	N5356027 or N5356028	N5356034
▶ Ceramic Sample Pans	RT to 1,500 °C	25	Ambient	5	Not Required	N5356019
▶ Ceramic Sample Pans	RT to 1,500 °C	55	Ambient	2	Not Required	N5356020
▶ Platinum Sample Pans	-170° to 1,500 °C	45	Ambient	5	Not Required	N5356016
▶ Platinum Sample Pans, High Volume	-170° to 1,500 °C	95	Ambient	5	Not Required	N5356017

¹ Not for use with Autosampler Cover Crimp style (N5356014). Not for DSC Autosampler, requires Crimping Die and Stage (N5366030)

² Cover Plate- style (N5356015) Copper Mesh Cover (N5356022) Stainless Steel Mesh Cover (N5356023) Recommended for O.I.T. tests No Covers ³ Plate Covers (N5356018)

▶ For use with DSC 4000, DSC 6000, DSC 8000, DSC 8500, Diamond DSC, Pyris 1 DSC, DSC 7, DSC 6, Pyris 6 DSC and Jahe BSCuse with Sapphire DSC

Calibration Reference Materials

PerkinElmer reference materials are 99.999% pure. DSC requires elements of this purity so that the instrument can be accurately calibrated.

Reference Material	Transition Point	Part #
Indium	156.60 °C	03190033
Tin	231.88 °C	03190034
Lead	327.47 °C	03190035
Zinc	419.47 °C	03190036
Encapsulated Kit*		02190045
Encapsulated Kit**		N5190762

* Includes a large and small indium, tin and lead

** Includes indium and zinc for DSC 4000, DSC 6000, DSC 8000, DSC 8500, DSC 7, Pyris 1 DSC, DSC 6, Pyris 6 DSC, Jade DSC and Diamond DSC



Specific Heat Kit

Includes four sapphire disks manufactured to two separate diameters and thicknesses. Also includes a calibration chart giving the specific heat of aluminum oxide in the form of synthetic sapphire.

Description	Part No.
Specific Heat Kit	02190136

Sample Holder Supplies

Sample Holder Cover Reforming Tool

DSC performance is enhanced with sample holder covers that are formed properly and not degraded by extended usage. This tool allows the analyst to reform the platinum covers to their original dimensions.

Description	Part No.
Sample Holder Cover Reforming Tool	03190030

Platinum Sample Holder Covers

Each cover has two vent holes and is used for the Diamond DSC, Pyris 1 DSC, DSC 7, DSC 8000 and DSC 8500 sample holders.

Description	Qty.	Part No.
Vented	2	04190299
Vented	6	03190031
DSC Autosampler, (2 required)	1	B0139122
Large furnace covers	2	B0182981

Sample Holder Cover Reforming Tool

Vented Platinum Sample Holder Cover

Hook Forceps

Diamond DSC Loading Tool

Allows for easy insertion and removal of sample or reference pans or platinum lids.

Description	Part No.
Diamond DSC Loading Tool	N5361180

Forceps

Description	Part No.
Flat Round Tips	09908400
Flat Pointed Tips	N5361078
Hook	09908138

Sample Pan Manipulators

Features and Benefits

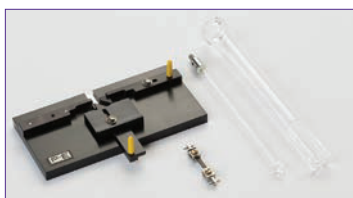
- Specially designed to simplify the pickup and positioning of your sample pans and covers.
- Prevents contamination of your sample.

Description	Part No.
Special Sample Pan Manipulator	B0142512
Standard Sample Pan Manipulator	B0143263
Replacement Rubber Tip	N5376097

WHEN FAILURE IS NOT AN OPTION



PerkinElmer offers a complete portfolio of consumables, accessories and supplies that deliver optimal performance in measuring the coefficient of thermal expansion (CTE), Tg, and TM in materials. Choose from a range of consumables and accessories with a cost efficient range of probes including expansion, compression, flexure, extension, and volumetric (dilatometry).



Analysis Kits

Complete sets of all the parts necessary for analysis of samples.

Description	Part No.
TMA Analysis Kit	L8040200
Advanced Analysis Kit	L8040202
Extension Kit	N5190619
Quartz Dilatometer (sm) Kit	03190461

Probes and Sample Tools

Probes

Probes and fixtures for special tests and as replacements of those included in kits.



Description	Part No.
Expansion Probe	N5190378
Extension Probe	N5190609
Flat Tip Penetration Probe	N5190376
Flexure TMA Kit	N5190399
Flexure Probe -3 Point Bending	N5190393
Short Expansion Probe	L8041800
Round Tip Probe - 0.5 mm	N5190377
Round Tip Probe - Large	N5190416

Sample Tools and other necessary parts

Complete sets of all the parts necessary for analysis of samples.



Description	Part No.
Aluminum Oxide Powder	04190197
Bending Anvil	N5391181
Ceramic Furnace Top	L8041808
Copper Film/Fiber Mounting Pins	02190322
Dilatometer (sm)	03191705
Extension Tube	N5191700
Extension Sample Clamp	N5190611
Halocarbon Oil 27	L9004783
Knurled Nut for Sample Tube	N5391054
Quartz Sample Tube	N5191549
Sample Load Fixture	N5190615
Sample Thermocouple	L8041809
Split Collar for Sample Tube	N5191662

Reference Materials

Standards for calibration of the TMA.



Description	Part No.
Aluminum Std Expansion 10mm x 3mm	L8041600
Aluminum Std Expansion 5mm x 3mm	L8041601
Indium Temperature Calibration Material	03190033
Quartz Displacement Standard	N5391051
Sapphire Disc - Thin Expansion Standard	02191269
Test and Calibration Weights	L8041801
Zinc Temperature Calibration Material	N5340229
Zinc T-Calibration Standard	03190036

Spares

Useful consumables and accessories you may need to operate your TMA.



Description	Part No.
Non-Magnetic Tweezers	09908400
Fuses 110V AC	L8041802
Fuses 220V AC	L8041803
Fuses 110/220V AC	L8041804
Hose clamps (4)	09903004
Tape: High Temperature	02507907
Tape: Thread Sealant	09908134
PTFE Tubing: 1/8" OD x 1/16" ID	02506483
Thermocouple	N5190417
Tygon Tubing: 1/2" OD x 3/8" ID	02506519
Turbulent Chamber Kit	L8040201
1/8" Swagelok Fittings (2)	09903906
Restrictor: Type A	01541496
Restrictor: Type H	01541498

ACCESSORIES

Furnace Accessories and Glassware

Description	Standard TGA Part No.	TGA High-Temp. Part No.
Furnace	N5190264	N5190172
Furnace Thermocouple		N5190196
Cup for Furnace, Thermocouple		N5191875
1 Sample Thermocouple	03190253	N5190197
2 Furnace Tube Quartz N5190203 TGA 7		
2 Furnace Tube Quartz N5370459 PYRIS 1 TGA		N5190202
Platinum Furnace Shield	03191628	
4 Balance Tare Weight N5190282		N5190284
5 Cover O-ring 09902163		09902163

Furnace Accessories for STA 6000

Description	Part No.
STA 6000 SaturnA Sensor	N5202083

Hangdown Wire Kits



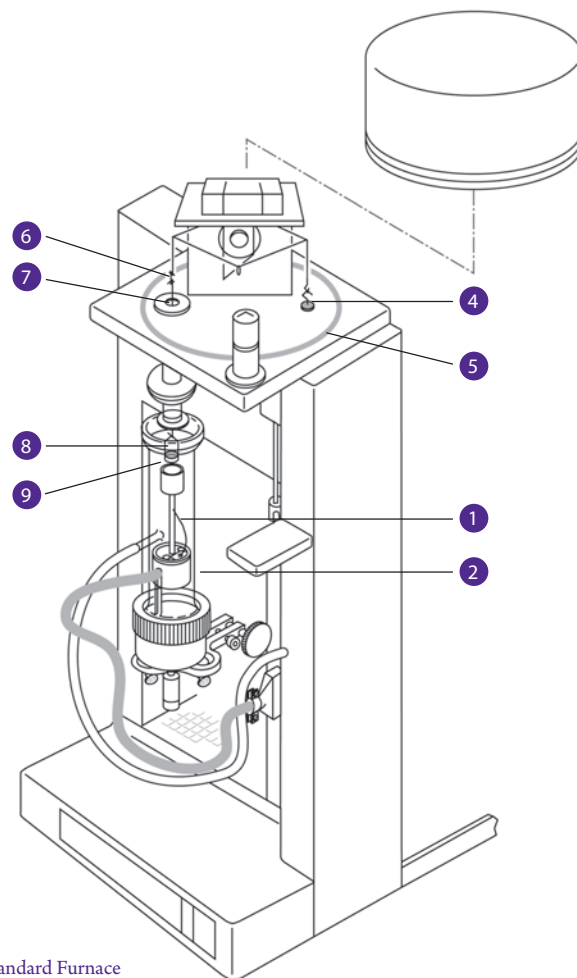
Hangdown Wire Link Kit, Quartz



Hangdown Wire Kit, Nichrome



Stirrup Kit, Platinum



TGA Standard Furnace

Description	Material	Qty.	TGA 7 Standard Part No.	TGA 7 High-Temp. Part No.	PYRIS 1 TGA Standard Part No.	PYRIS 1 TGA High-Temp. Part No.
6 Hangdown Wire Link Kit	Quartz	10	N5190330			
Hanger Kit	Quartz	5			N5370487	
Autosampler Hanger Kit	Quartz	5			N5370488	
7 Hangdown Wire Kit Includes 6 preformed and 6 straight wires	Nichrome	6	N5190285			
Hangdown Wire Kit Includes 6 preformed wires	Nichrome	6	N5190516			
Hangdown Wire Kit Includes 6 straight wires	Nichrome	6	N5190515			
Hangdown Ribbon	Platinum	2			N5370478	N5370478
Autosampler Hanger Kit	Nichrome	5			N5370490	
7 Hanger Kit	Platinum	6				N5370330
7 Hangdown Wire Kit Includes 6 preformed wires	Platinum	6		N5190276		
8 Stirrup Kit	Platinum	4	03190265	N5190279	03190265	N5190279

Pans for TGA 7 and PYRIS 1 TGA

Description	Qty	Part No.
9 For TGA 7 Standard/PYRIS 1 TGA	4	03190264
9 For TGA 7/PYRIS 1 TGA High-temperature	4	N5190280
Ceramic Liner Kit for TGA 7/PYRIS 1 TGA	6	N5190283
PYRIS 1 TGA Accupik Sample Pans and Covers	400	N5370550

Pyris 1 TGA Autosampler Ceramic Crucible Kits and Liners

Description	Part No.
Ceramic Crucible Kit. Contains 10 ceramic crucibles	N5370464
Aluminum Liners for Pyris 1 TGA Autosampler Ceramic Crucibles - Kit of 400	N5370492
Stainless Steel Liners for Pyris 1 TGA Autosampler Ceramic Crucibles - Kit of 400	N5370495

Pans for STA 6000, STA 8000, and TGA 4000

Description	Part No.
STA 6000/TGA 4000 Ceramic Sample Pan Kit - 45 Pans	N5200045
STA 6000/TGA 4000 Ceramic Sample Pan Kit - 3 Pans	N5200040
STA 6000/TGA 4000 Pt/Rh Pans (2.5 mm height) - 5 Pans	N5201021
STA 6000/TGA 4000 Pt/Rh Pans (5.0 mm height) - 5 Pans	N5201022
STA 6000/TGA 4000 Pt/Rh Pans (2.5 mm height) - 1 Pan	N5201023
STA 6000/TGA 4000 Pt/Rh Pans (5.0 mm height) - 1 Pan	N5201024

Pyris 1 TGA Accupik Replacement Needle Kit

Contains 3 needles.

Description	Part No.
Pyris 1 TGA Accupik Replacement Needle Kit	N5370554

Pyris 1 TGA Cooling Jacket

With this accessory and a Chiller (optional), the TGA can start from -20 °C.

Description	Part No.
Pyris 1 TGA Cooling Jacket	N5370553

Pyris TGA Volatile Capsule Sealer Kit

Description	Part No.
Pyris TGA Volatile Capsule Sealer Kit	N5370555

Forceps, Non-Magnetic

Description	Part No.
Hooked	09908138
Straight	09908400

CALIBRATION REFERENCE MATERIALS

Ensure accurate thermogravimetric measurements with PerkinElmer magnetic reference materials.

Description	Part No.
Kit of Five Reference Materials (Alumel, Nickel, Perkalloy, Iron and Hisat-50)*	02190071
Alumel Reference Material (154.2°C)	09988015
Nickel Reference Material (355.3°C)	N5190869
Perkalloy Reference Material (596°C)	N5190616
Iron Reference Material (780°C)	09988017
Indium Calibration Reference	03190033
Tin Calibration Reference	03190034
Lead Calibration Reference	03190035
Zinc Calibration Reference	03190036
Silver Calibration Reference	N5370438
Calibration Weight (TGA 6, TGA 4000, STA 6000)	N5200042
Calibration Weight (100 mg)	09908397
Calibration Weight Standards Kit for NOACK Lubricating Oil Test**	N5370140

* Magnetic Calibration Reference Materials are available in kit form and now are also available separately for your convenience. We recommend that you use fresh reference materials each time you calibrate your instruments. In this way you can avoid the effects of hysteresis and oxidation on the Curie point of the reference materials.

** Used to calibrate a TGA or STA to perform ASTM test method D5800 for evaporation loss of lubricating oils by the NOACK method.

COMPLETE RANGE OF ACCESSORIES

Cost effective Dynamic Mechanical Analyzer supplies for routine quality testing in the polymers, composites, pharmaceutical and food industries.

REPLACEMENT PARTS FOR THE DMA 8000

The DMA 8000 comes with a complete set of standard fixtures to allow tension, bending (3 type), shear and compression experiments.

Description	Part No.
Bending Clamp Set	N5330300
Shear Studs and Plate Set	N5330301
Shear Clamp Outer Assembly (pair)	N5330302
3 Point Bend Assembly	N5330305
Outer Clamp Supports – Stainless (pair)	N5330303
Outer Clamp Support – Single Side Only	N5330304
Extended Bending Clamp Set	N5330308
Compression Insert	N5330309
Extended Bending Clamp Set	N5330306
Miniature 3 Point Bending Clamp	N5330307
Extended Nut Set	N5330310
Full Nut Set	N5330311
Tensile Spacer Set	N5330313
Tensile Clamps (Titanium)	N5330312
Alignment Fixture	N5330314



Replaceable Parts For DMA 8000 Systems

Description	Part No.
Pt 100 Replacement Sensor	N5330253
Pyrex Cup for Fluid Bath (set of 3)	N5330320
Screw set (4)	N5330338
Side Pillars and Screw	N5330303
Insert Compression (titanium)	N5330308
Replacement Omnicontrol Tight Pipe	N5365048
Replacement Omnicontrol Bulb	N5365049
End cap for DMA 8000 Vent Cover	N5337031
Desiccant for Humidity Chamber (1 kg)	N5330405
Humidity Generator Sensor – calibrated	N5330402
Humidity Generator Heated Line	N5330403
Humidity Generator Sensor Lead	N5330404
Rod Microswitch Extension	N5331098

Calibration Supplies

Description	Part No.
PMMA Test Sample (set of 5)	N5330316
Steel Test Sample	N5330317
PVC Test Sample (set of 5)	N5330340
HDPE Test Sample (set of 5)	N5330341
Polycarbonate Test Sample (set of 5)	N5330342
PET Film Test Sample (set of 5)	N5330343
G10 Epoxy Test Sample (set of 5)	N5330344
Septum for compression (Set of 5)	00090652
Calibration Mass	N5330315
Temperature Calibration Kit Includes indium wire (1.5 mm dia), PMMA test sample (5) and FEB tube.	N5330318
Traceable Calibration Kit, DMA Testing Kit Includes micrometer caliper, calibration mass, PMMA test sample kit (5) feeler gauge, indium wire sample (2) and PTFE tube.	N5330319
Measuring System Training Kit Includes training manual, fairprene septum kit, acrylic sample (5), PVC sample (5), HDPE sample (5), polycarb sample (5), PET sample (5) and G10 sample (5).	N5330220
Dynamic Mechanical Analysis: A Practical Introduction (Menard)	N5374092

Cooling Accessories

The DMA 8000 has two options for sub-ambient operation: a 1-Liter Dewar for those needing occasional cooling, and a 50 L Dewar for those requiring longer or more frequent sub-ambient experiments.

Description	Size	Part No.
LN2 Cryo Dewar with Transfer Line and Fittings	1 L	N5330254
LN2 Cryo Dewar with Transfer Line and Fittings	50 L	N5373009



Material Pockets

Specialty Fixtures and Accessories

Special problems often require special tools and a wide range of options exist for the DMA 8000. Advanced software for special tasks, clamps for tablets, material pockets, photo-adaptor for UV studies and fixtures that allow you to use the DMA 7 fixtures in the DMA 8000 are all available.

Description	Package	Part No.
Measuring System for Tablets For holding non-flat tablets, capsules and pills in compression. Can be used with the fluid bath or the humidity chamber as well as the standard furnace. One side is V-grooved and the other side has a round groove to allow a wide range of specimens to be held.		N5330604
Material Pockets For running pharmaceuticals, powders and other non-self supporting samples.	Set of 10	N5330322
	Set of 100	N5330323
	Set of 1,000	N5330324
Mesh Pockets For running pharmaceuticals, paints and other non-supporting samples where letting moisture and solvent in and out is desirable.	Set of 25	N5330177
	Set of 100	N5330178
DMA 7e Fixture Adapter Allows use of DMA 7 fixtures in DMA 8000.		N5330613
DMA Photo Adapter Allows use of DSC UV system light guides with DMA 8000.		N5337024
Fluid Bath Accessory* Allows immersion of samples.		N5330262
Humidity Generator** Allows testing in controlled relative humidity.		N5330400
Upgrade to Pyris SW Version 11 Controls the DMA8000 from within Pyris SW and includes TTS and Stress Relaxation.		N5340090

* Required for routine humidity work with Humidity Generator (N5330400).

** Requires Fluid Bath Accessory (N5330262).

ELEMENTAL ANALYSIS KITS, REAGENTS, STANDARDS



Prepacked Tubes

Description	Est. Runs*	Part No.
CHN Oxidation Tube	1000*	N2410695
CHN Reduction Tube	150-180*	N2410694
CHNS Oxidation/Reduction Tube	120*	N2410693
O Pyrolysis Tube	1000*	N2410696
Scrubbing Tube (Argon Sealed)	250*	N2410697
CHNS/Oxygen Reduction Furnace	N/A	N2410698

*Estimated runs derived by PerkinElmer under ideal conditions, actual customer runs may vary.

Tubes

Description	Part No.
2400 CHN Kit	
Combustion and Reduction Tube and Reagent Kits and Tin Capsules. Quartz wool not included.	N2410683
2400 CHNS Kit	
Combustion/Reduction Tube, Reagent Kits and Tin Capsules. Quartz wool not included.	N2410684
CHN Prepacked Tube Kit	
One prepacked combustion tube and 3 prepacked combustion tubes.	N2410506
CHNS Prepacked Tube Kit	
Four prepacked CHNS combustion tube and a prepacked reduction furnace tube.	N2410507
O Prepacked Tube Kit	
One prepacked O combustion tube, 1 prepacked reduction furnace tube, and 4 prepacked scrubbing tubes.	N2410513
2400/2410 Maintenance Kit	
Includes O-Rings, Washers, Fuses and Springs Required for Routine Maintenance of the 2400 or 2410 Elemental Analyzers	N2410152

Packing Supplies

Description	Part No.
Silver Gauze Strip (Pkg 1)	N2410145
Platinum Gauze Strip (Pkg 1)	N2411273
Quartz Wool, (50 g)*	02401118
Copper Diffusion Plug, each	N2411333

*Only sold in the US due to export restrictions.

Calibration Standards

Description	Size	Part No.
Acetanilide	2 g	02401121
Benzoic Acid	4 g	02401120
Cystine	4 g	N2410324
EDTA	100 g	N2410325
Sulfamic Acid	10 g	N2410501



PerkinElmer genuine reagents will assure consistent and accurate results.

Reagents

Description	Part No.
EA-1000, (50 g)	N2410092
EA-1000, (3 x 50 g)	N2410166
Silver Tungstate/Magnesium Oxide, (100 g)	02401344
Silver Tungstate/Magnesium Oxide, (3 x 100 g)	N2410165
Silver Vanadate, (40 g)	02401117
Silver Vanadate, (3 x 40 g)	N2410164
EA-6000, (50 g)	N2410278
EA-6000, (5 x 50 g)	N2410331
Platinized Carbon, (10 g)	02400119
Copper Plus, (454 g)	02400117
Copper Plus, (10 x 454 g)	N2410157
Copper Plus – Wire Form, (454 g)	02401362
Copper Plus – Wire Form, (5 x 454 g)	N2410332
Copper for Nitrogen, (454 g)	N2411527
Copper for Nitrogen, (10 x 454 g)	N2410518
Copper Oxide – Wire Form, (454 g)	02401092
Aquasorb, (25 g)	N2410277
Colorcarb, (100 g)	02400115
Colorcarb, (3 x 100 g)	N2410188
Magnesium Perchlorate, (454 g)	02401119
Magnesium Perchlorate, (3 x 454 g)	N2410191
Thermolite, (100 g)	02400815

Receptacles

Description	Qty.	Part No.
Quartz Tube Insert	1	N2411401
Vial Receptacle, Metal (CHN Mode and 2410)	1	N2411335
Vial Receptacle, Metal (CHNS and Oxygen Modes)	10	N2410177
Vial Receptacle, Ceramic	1	09904866
Zirconia Cloth	1	N2410168

Sample Capsules and Sealers

Tin Capsules

For analysis of nonvolatile solid samples.

Description	Dims.	Qty.	Part No.
Standard Tin Capsule Kit	5 mm x 7 mm	96	N2411255
Standard Tin Capsule Kit, (pkg. 10)	5 mm x 7 mm	960	N2410155
Large Tin Capsule Kit	7 mm x 14 mm	250	N2411362

Flat Tin Disks

For analyzing 13 or 25 mm filters.

Description	Qty.	Part No.
Flat Tin Disks	100	N2411363
Flat Tin Disks, (pkg. 10)	1000	N2410244

Aluminum Capsules

For analyzing volatile liquid samples. Requires, but does not include, Liquid Sample Sealer (B0198093) and Tin Capsules.

Description	Qty.	Part No.
Aluminum Capsules, 4 µL	1,000	02400642
Aluminum Capsules, 30 µL	1,000	00090709

Tin Pans and Covers

For volatile liquid or solid samples, including viscous materials. Requires, but does not include, Volatile Sample Sealer (02190061).

Description	Qty.	Part No.
Volatile Tin Sample Pans and Covers	400	N2410320

Silver Capsules

For analyzing organic substances with Oxygen Analysis.

Description	Qty.	Part No.
Silver Capsules	96	N2411364

Sample Sealers

For use with volatile, nonviscous, noncorrosive samples.

Description	Part No.
Liquid Sample Sealer	B0198093
Spare Magazine for Liquid Sample Sealer	B0501078
Volatile Sample Sealer	02190061



Combustion and Pyrolysis Tubes

Tubes

PerkinElmer tubes are composed of pure fused quartz which is 99% SiO₂. Fused quartz has been chosen because of its very high purity and low thermal expansion rate. Because we care about your safety, all combustion tubes are pressure-tested to eliminate any tubes which might contain weak spots. In addition, stringent specifications are used to ensure that the combustion tubes fit in an airtight connection when placed in the analyzer.

Type	Material	Analyzer	Mode	Qty.	Part No.
Combustion	Quartz	2400	CHN	1	N2411264
Combustion	Quartz	2400	CHN	3	N2410212
Combustion	Quartz	2400	CHN	10	N2410153
Combustion/ Quartz Reduction	Quartz	2400	CHNS	1	N2411514
Combustion/ Quartz Reduction	Quartz	2400	CHNS	5	N2410330
Combustion/ Stainless Steel Reduction	Stainless Steel	2410	Nitrogen	1	N2421070
Pyrolysis	Quartz	2400	Oxygen	1	N2411235
Reduction	Quartz	2400	Oxygen & Sulfur	1	N2411300
Reduction	Quartz	2400	CHN	1	N2411291
Reduction	Quartz	2400	CHN	10	N2410154
Scrubber	Pyrêx	2400/ 2410	Oxygen & Nitrogen	1	N2411359

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