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- Brussels, Belgium +32-2-706-0080
- Etten-Leur, Netherlands +31-76-508-7270
- Sollentuna, Sweden +46-8-535-11521
- Milano, Italy +39-02-265-0983
- Barcelona, Spain +34-93-600-93-32
- Melbourne, Australia +61-3-9553-0813
- Mexico City, Mexico +52-55-52-00-18-60
THERMAL ANALYZERS
Q Series®  2
29XX Series  15

MICROCALORIMETERS
TAM Calorimeters  20
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RHEOMETERS
ARES Rheometers  30
AR Rheology  37
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<table>
<thead>
<tr>
<th>Q Series™ DSC Accessories</th>
<th>Price £</th>
</tr>
</thead>
<tbody>
<tr>
<td>970800.901 Pressure DSC Cell</td>
<td>10,400</td>
</tr>
<tr>
<td>Note: For use with the Q2000 / Q20P and Q1000 / Q10P models. It provides heat flow measurements at pressures from 1 Pa to 7 Pa.</td>
<td></td>
</tr>
<tr>
<td>970814.901 Q Series PDSC Cell Shipping Accessory Kit</td>
<td></td>
</tr>
<tr>
<td>Note: For use with PDSC Cell and Q2000 / Q1000 DSC.</td>
<td></td>
</tr>
<tr>
<td>900674.901 DSC Quench Cooling Accessory</td>
<td>700</td>
</tr>
<tr>
<td>Note: For quench cooling of PDSC to 150°C using liquid nitrogen.</td>
<td></td>
</tr>
<tr>
<td>901600.901 Tzero™ Sample Press Kit</td>
<td>2,490</td>
</tr>
<tr>
<td>Note: Includes a Tzero Press and die sets for Tzero Pans / Tzero Lids and Tzero Low Mass Pans / Tzero Lids; Tzero Pans / Tzero Hermetic Lids; and Standard Aluminum Pans / Lids, Standard Hermetic Pans / Lids, respectively. The kit also includes one box each of Tzero Pans (100) and Tzero Lids (100).</td>
<td></td>
</tr>
<tr>
<td>993500.002 Photocalorimeter Accessory (PCA) with External Filter Adapter</td>
<td>21,500</td>
</tr>
<tr>
<td>Note: For use with the Q2000 / Q200 DSC modules to provide photocuring studies between -50 and 250°C. Includes a 320 - 480 nm external filter.</td>
<td></td>
</tr>
<tr>
<td>915064.901 MDSC® Thermal Conductivity Kit</td>
<td>620</td>
</tr>
</tbody>
</table>

**Q Series Cooling Accessories**

<table>
<thead>
<tr>
<th>Q Series DSC Cooling Accessories</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>970032.901 Finned Air Cooling System (FACS)</td>
<td>1,070</td>
</tr>
<tr>
<td>Note: For programmed air cooling of Q Series DSC Cell from 725°C to ambient temperature.</td>
<td></td>
</tr>
<tr>
<td>970036.901 Quench Cooling Accessory for FACS</td>
<td>740</td>
</tr>
<tr>
<td>Note: Assists FACS in rapid cooling of Q Series DSC Cell to ambient temperature.</td>
<td></td>
</tr>
<tr>
<td>972259.901 CCS Cooling System</td>
<td>2,210</td>
</tr>
<tr>
<td>Note: For programmed cooling of Q2000 Series DSC modules from 500 to -15°C.</td>
<td></td>
</tr>
<tr>
<td>970470.911 Koniocirculator (125W)</td>
<td>1,770</td>
</tr>
<tr>
<td>970471.911 Koniocirculator (240W)</td>
<td>1,770</td>
</tr>
<tr>
<td>970008.901 Refrigerated Cooling System (RCS90): 115V, 60Hz</td>
<td>6,250</td>
</tr>
<tr>
<td>Note: For programmed or quench cooling of the Q Series DSC cells over the temperature range from 550 to -90°C. Sealed refrigeration system does not require liquid nitrogen.</td>
<td></td>
</tr>
<tr>
<td>970008.902 Refrigerated Cooling System (RCS): 230V, 50Hz.</td>
<td>6,250</td>
</tr>
<tr>
<td>See above comments.</td>
<td></td>
</tr>
<tr>
<td>970508.901 Refrigerated Cooling System (RCS40): 115V, 60Hz</td>
<td>4,380</td>
</tr>
<tr>
<td>Note: For programmed or quench cooling of the Q Series DSC cells over the temperature range from 400 to -40°C. Sealed refrigeration system does not require liquid nitrogen. Requires a DSC with QNX module software.</td>
<td></td>
</tr>
<tr>
<td>970508.902 Refrigerated Cooling System (RCS40): 230V, 50Hz.</td>
<td>4,380</td>
</tr>
<tr>
<td>See above comments.</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| 200266.001 | RCS Dryer  
Note: For removal of trace moisture in purge gases. | 275   |
| 200265.001 | Pressure Regulator (North America use only)  
Note: For use with the RCS Dryer or the LNCS Purge Gas Purifier Unit; 4000 psi input, 40 psi output, CGA. | 360   |
| 970400.901 | Liquid Nitrogen Cooling System (LNCS)  
Note: For programmed or quench cooling of Q Series DSC Cells from 550 to -180°C. It can be automatically refilled from an external LN2 source. | 7,670 |
| 970425.901 | LNCS DSC Purge Gas Purifier Unit  
Note: For removal of trace moisture in purge gases. Includes gas dryer unit and appropriate shut-off and bypass valves. | 2,220 |
| 970447.901 | Quench Cooling Accessory (QCA)  
Note: For rapid manual cooling of Q Series DSC Cell to subambient temperatures. If used with the Q2000 / Q20 or the Q1000 / Q10 modules, the following three parts must be added: | 1,010 |
| 970421.001 | Inner Manual Lid  
970283.001 | Outer Manual Lid  
970284.901 | Manual Cell Cover | 120   |
| 970347.901 | Quench Cooling Accessory (QCA)  
Note: For rapid manual cooling of Q Series DSC Cell to subambient temperatures. If used with the Q2000 / Q20 or the Q1000 / Q10 modules, the following three parts must be added: | 1,010 |
| 970020.901 | User Replacement Cell for Q2000 / Q1000 DSC  
Note: Replacement Q Series DSC cells do not include silver lids or accessory kits. | 4,920 |
| 970520.901 | Replacement Cell for Q200 / Q20 / A20 / Q100 / Q10 DSC modules  
Note: Requires separately priced installation by a TA Field Service Engineer. | 4,510 |
| 970003.901 | Mass Flow Controller Upgrade Kit for Q100 / Q10 DSC  
Note: Includes Field Service Installation. | 3,170 |
| 970004.901 | MDSC® Upgrade Kit for Q200 / Q100 DSC  
Note: Includes Field Service Installation. | 6,610 |
| 971000.901 | Autosampler Upgrade Kit for Q200 / Q100 DSC  
Note: Includes Field Service Installation. | 15,300 |
| 970777.901 | Q2000 / Q200 Upgrade Kit  
Note: Upgrades the functionality of a Q2000 to a Q2000 or a Q100 to a Q100, respectively. The kit includes a Display Retrofit Kit to QNX, Nameplate kit, new Autosampler tray, Autosampler Upgrade kit, Temp Press Kit, and Temp Hermetic Lids (1 set of each). Price includes field installation by a TA Field Service Engineer. Note: Some older Q1000 / Q100 models may also need an upgrade of the Single Board Computer (SBC). Contact your TA Field Service Engineer for information. | 9,030 |
Q Series DSC Accessory and Upgrade Kits

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>970011.901</td>
<td>Accessory Kit, DSC Q2000 / Q200 (supplied with Q2000 / Q200 modules)</td>
<td>485</td>
</tr>
<tr>
<td>970011.902</td>
<td>Accessory Kit, DSC Q20 (supplied with the Q20 module)</td>
<td>685</td>
</tr>
<tr>
<td>970011.903</td>
<td>Accessory Kit, DSC Q20 (supplied with the AQ20 module)</td>
<td>685</td>
</tr>
<tr>
<td>970830.901</td>
<td>DSC Autolid II Upgrade Kit (optional field service installation recommended)</td>
<td>550</td>
</tr>
<tr>
<td>970442-001</td>
<td>Inner Manual Lid</td>
<td>120</td>
</tr>
<tr>
<td>970464-001</td>
<td>Outer Lid</td>
<td>160</td>
</tr>
<tr>
<td>97041-001</td>
<td>Lift Rod</td>
<td>20</td>
</tr>
</tbody>
</table>

Miscellaneous Accessories

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td>971126.901</td>
<td>DSC Autosampler Tray</td>
<td>570</td>
</tr>
</tbody>
</table>

DSC Sample Encapsulation

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>901600.901</td>
<td>Tzero™ Sample Press Kit</td>
<td>2,490</td>
</tr>
</tbody>
</table>

Standard Series (29XX) DSC Sample Press Replacement Parts

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>900530.901</td>
<td>Upper Crimping Die Set Assembly</td>
<td>440</td>
</tr>
<tr>
<td>900752.901</td>
<td>Lower Crimping Die Assembly</td>
<td>385</td>
</tr>
<tr>
<td>900719.001</td>
<td>Preforming Tool, for sealing Hermetic Pans (Blue Press)</td>
<td>80</td>
</tr>
<tr>
<td>258825.000</td>
<td>Spring for Lower Crimping Die</td>
<td>6</td>
</tr>
<tr>
<td>900720.000</td>
<td>Die, Hermetic Sealing</td>
<td>105</td>
</tr>
</tbody>
</table>

Tzero Series DSC Sample Pans and Lids

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>901670.901</td>
<td>Tzero Low-Mass Pans (pkg of 100)</td>
<td>120</td>
</tr>
<tr>
<td>901671.901</td>
<td>Tzero Lids (pkg of 100)</td>
<td>80</td>
</tr>
<tr>
<td>901683.901</td>
<td>Tzero Pans (pkg of 100)</td>
<td>135</td>
</tr>
<tr>
<td>901684.901</td>
<td>Tzero Hermetic Lids (pkg of 100)</td>
<td>80</td>
</tr>
</tbody>
</table>
901685.901  Tzero Hermetic Pinhole Lid (75 micron DIA) (pkg of 50) 265
901697.901  Tzero Alodined Pans (pkg of 100) 155
901698.901  Tzero Hermetic Alodined Lids (pkg of 100) 95

Standard Series DSC Sample Pans and Lids
Note: (*) Indicates the pans and lids work with the Tzero or Standard DSC Press.

900578.901 Platinum Pans (pkg of 10) 895
900766.901 Aluminum Pans* (pkg of 200) 120
900779.901 Aluminum Lids* (pkg of 200) 120
900793.901 Aluminum Pans*, Hermetic (pkg of 200) 175
900794.901 Aluminum Lids*, Hermetic (pkg of 200) 175
900808.901 High Pressure Pan Kit 1,950
Note: Includes metal bell jar and lid, crimping tool, 5 reusable stainless steel capsules, and 20 seals.
900814.901 High Pressure Capsule Seals (pkg of 20) 165
900815.901 High Pressure Capsules (pkg of 5) 665
900825.901 High Volume Pan Kit 2,350
Note: Includes metal bell jar and lid, high volume die sets for Tzero and older Standard Press plus 100 pans, lids, and seals.
900824.901 High Volume Die Set (for Standard DSC Press) 815
900825.902 High Volume Pans, Lids and Seals (pkg of 100) 915
900846.901 Hermetic Lids with Pin Hole (pkg of 50) 260
900794.901 Coated Aluminum Pans*, Hermetic (pkg of 200) 175
900795.901 Coated Aluminum Lids*, Hermetic (pkg of 200) 175
900870.901 Aluminum Pans for SFI Samples (pkg of 200) 95
900866.901 Gold Pans* (pkg of 10) 565
900868.901 Gold Lids* (pkg of 10) 565
900871.901 Gold Pans, Hermetic* (pkg of 10) 790
900872.901 Gold Lids, Hermetic* (pkg of 10) 565
900867.901 Copper Pans (pkg of 200) 95
900874.901 Graphite Pans (pkg of 10) 245
900875.901 Graphite Lids (pkg of 10) 245

DSC Calibration Materials
970345.901 Kit, Tzero Calibration, Sapphire 135
970370.901 Sapphire, MDSC Calibration 250
915060.901 DSC / DTA Certified Temperature Calibration Kit 1,080
915061.901 Replacement Certified Indium Reference Material (for P/N: 915060.901 kit) 455
900910.901 Tin Calibration Material 55
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>900902.901</td>
<td>Indium Calibration Material</td>
<td>55</td>
</tr>
<tr>
<td>900907.901</td>
<td>Zinc Calibration Material</td>
<td>55</td>
</tr>
<tr>
<td>915079.901</td>
<td>Sapphire Specific Heat Material (&lt;0.16 inch OD x 0.020 inch thick, for standard pans)</td>
<td>120</td>
</tr>
<tr>
<td>915079.902</td>
<td>Sapphire Specific Heat Material (&lt;0.13 inch OD x 0.020 inch thick, for hermetic pans)</td>
<td>120</td>
</tr>
<tr>
<td>915079.903</td>
<td>Sapphire Specific Heat Material (&lt;0.187 inch OD x 0.034 inch thick, for standard pans)</td>
<td>120</td>
</tr>
<tr>
<td>899904.901</td>
<td>Anisic Acid (1 g) (a certified temperature calibration material)</td>
<td>415</td>
</tr>
<tr>
<td>899907.901</td>
<td>Biphenyl (1 g) (a certified temperature calibration material)</td>
<td>415</td>
</tr>
<tr>
<td>970489.901</td>
<td>Adamantane (a certified temperature and enthalpy calibration material)</td>
<td>440</td>
</tr>
<tr>
<td>900319.901</td>
<td>Kit, DSC Oxidative Stability Calibration</td>
<td>1,320</td>
</tr>
</tbody>
</table>

**Q Series DSC Photocalorimeter Accessories and Parts**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>935012.002</td>
<td>Dual Quartz Light Guide for PCA (-50 to 250°C operation)</td>
<td>4,230</td>
</tr>
<tr>
<td></td>
<td>Note: Requires RCS or CCS for subambient use.</td>
<td></td>
</tr>
<tr>
<td>935012.001</td>
<td>Dual Liquid Light Guide for PCA (-50 to 80°C operation)</td>
<td>4,840</td>
</tr>
<tr>
<td></td>
<td>Note: Requires RCS or CCS for subambient use.</td>
<td></td>
</tr>
<tr>
<td>935002.902</td>
<td>PCA Accessory Kit (replacement only)</td>
<td>4,860</td>
</tr>
<tr>
<td></td>
<td>Note: TA supplied items required for photocalorimeter operation by customer who already has, or will separately obtain, the Novacure 2100 analyzer and appropriate dual light guide.</td>
<td></td>
</tr>
<tr>
<td>935002.903</td>
<td>PCA Accessory Kit (replacement only)</td>
<td>6,720</td>
</tr>
<tr>
<td></td>
<td>Note: TA supplied items required for photocalorimeter operation by customer who already has, or will separately obtain, the Omnicure S-2000 analyzer and appropriate dual light guide.</td>
<td></td>
</tr>
<tr>
<td>200700.001</td>
<td>Radiometer (R2000) (for use with the Omnicure S-2000)</td>
<td>1,870</td>
</tr>
<tr>
<td>935007.001</td>
<td>External Filter Adapter (for the Omnicure S-2000)</td>
<td>1,240</td>
</tr>
<tr>
<td>935007.006</td>
<td>Filter, External, 250 - 450 nm (for the Omnicure S-2000 with external filter adapter)</td>
<td>1,210</td>
</tr>
<tr>
<td>935007.001</td>
<td>Filter, External, 320 - 480 nm (for the Omnicure S-2000 with external filter adapter)</td>
<td>540</td>
</tr>
<tr>
<td>935007.002</td>
<td>Filter, External, 320 - 390 nm (for the Omnicure S-2000 with external filter adapter)</td>
<td>540</td>
</tr>
<tr>
<td>935007.004</td>
<td>Filter, External, 400 - 500 nm (for the Omnicure S-2000 with external filter adapter)</td>
<td>605</td>
</tr>
<tr>
<td>935007.003</td>
<td>Filter, External, 365 nm (for the Omnicure S-2000 with external filter adapter)</td>
<td>1,040</td>
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<tr>
<td>935007.005</td>
<td>Blank Filter Holder (for the Omnicure S-2000 with external filter adapter)</td>
<td>145</td>
</tr>
<tr>
<td>935006.005</td>
<td>Filter, Internal, 250 - 450 nm (for use with the Omnicure S-2000)</td>
<td>580</td>
</tr>
<tr>
<td>935006.008</td>
<td>Filter, Internal, 320 - 500 nm (for use with the Omnicure S-2000)</td>
<td>530</td>
</tr>
<tr>
<td>935006.007</td>
<td>Filter, Internal, 320 - 390 nm (for use with the Omnicure S-2000)</td>
<td>530</td>
</tr>
<tr>
<td>935006.006</td>
<td>Filter, Internal, 400 - 500 nm (for use with the Omnicure S-2000)</td>
<td>580</td>
</tr>
<tr>
<td>935006.004</td>
<td>Filter, Internal, 365 nm (for the Omnicure S-2000)</td>
<td>600</td>
</tr>
<tr>
<td>935006.002</td>
<td>Filter, Internal, 320 - 450 nm (for the Novacure 2100)</td>
<td>600</td>
</tr>
<tr>
<td>935006.001</td>
<td>Filter, Internal, 320 - 500 nm (for the Novacure 2100)</td>
<td>560</td>
</tr>
<tr>
<td>935013.001</td>
<td>Air Filter Kit (pkg of 10)</td>
<td>80</td>
</tr>
<tr>
<td>935018.901</td>
<td>Filter, Longpass, 390 nm (pkg of 2)</td>
<td>285</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>Price</td>
</tr>
<tr>
<td>----------</td>
<td>--------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>935019.901</td>
<td>Filter, Longpass, 490 nm (pkg of 2)</td>
<td>310</td>
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<tr>
<td>935015.901</td>
<td>Filter, Neutral Density, 1%</td>
<td>210</td>
</tr>
<tr>
<td>935016.901</td>
<td>Filter, Neutral Density, 10%</td>
<td>260</td>
</tr>
<tr>
<td>935021.001</td>
<td>Lamp, 100 W, Mercury (for the Novaspec 2100)</td>
<td>1,200</td>
</tr>
<tr>
<td>935021.002</td>
<td>Lamp, 200 W, Mercury (for the omnipure S-2000)</td>
<td>1,440</td>
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</tbody>
</table>

**TGA Q5000 IR Accessories**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>901600.901</td>
<td>Pro Tzero Sample Press Kit</td>
<td>2,490</td>
</tr>
<tr>
<td>957352.901</td>
<td>Aluminum Sealed Pan Kit</td>
<td>1,270</td>
</tr>
<tr>
<td>957350.901</td>
<td>Die Set TGA</td>
<td>620</td>
</tr>
<tr>
<td>957349.901</td>
<td>TGA / MS Interface Kit</td>
<td>2,070</td>
</tr>
<tr>
<td>957468.901</td>
<td>TGA / FTIR Adapter Kit</td>
<td>2,360</td>
</tr>
<tr>
<td>957011.901</td>
<td>Replacement Accessory Kit, Q5000 IR</td>
<td>3,370</td>
</tr>
<tr>
<td>957012.901</td>
<td>Dual Trigger Cable, MS / FTIR to QTGA</td>
<td>235</td>
</tr>
<tr>
<td>957014.901</td>
<td>Dual MS / FTIR Interface Kit for Q5000 IR</td>
<td>310</td>
</tr>
</tbody>
</table>

**TGA Q5000 IR Sample Pans**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>957207.903</td>
<td>Platinum Sample Pans, 50 μL (pkg of 3)</td>
<td>400</td>
</tr>
<tr>
<td>957207.904</td>
<td>Platinum Sample Pans, 100 μL (pkg of 3)</td>
<td>450</td>
</tr>
<tr>
<td>957329.903</td>
<td>Ceramic Sample Pans, 100 μL (pkg of 3)</td>
<td>380</td>
</tr>
<tr>
<td>957329.904</td>
<td>Ceramic Sample Pans, 250 μL (pkg of 3)</td>
<td>425</td>
</tr>
<tr>
<td>957463.901</td>
<td>Aluminum Sample Pans, 50 μL (pkg of 100)</td>
<td>235</td>
</tr>
<tr>
<td>957462.901</td>
<td>Aluminum Sample Pans, 50 μL (pkg of 100)</td>
<td>300</td>
</tr>
<tr>
<td>957210.902</td>
<td>Kit Sample Pan Quartz (pkg of 3) (requires Autosampler Tray P/N: 957216.901)</td>
<td>455</td>
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</tbody>
</table>

**TGA Q5000 IR Replacement Parts**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>957056.901</td>
<td>Q5000 Infrared Furnace</td>
<td>10,800</td>
</tr>
<tr>
<td>957059.902</td>
<td>Q5000 Infrared Furnace, Exchange</td>
<td>5,390</td>
</tr>
<tr>
<td>957058.900</td>
<td>Q5000 Infrared Furnace, CFRO</td>
<td>1,870</td>
</tr>
<tr>
<td>957999.901</td>
<td>Tray Autosampler TGA</td>
<td>565</td>
</tr>
<tr>
<td>957216.901</td>
<td>Tray Autosampler (standard with Q5000 SR; option for Q5000 IR with Quartz Crucibles)</td>
<td>415</td>
</tr>
<tr>
<td>Part Number</td>
<td>Description</td>
<td>Price</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>957315.901</td>
<td>Loop Decoupler Kit</td>
<td>25</td>
</tr>
<tr>
<td>95316.901</td>
<td>Heat Exchanger</td>
<td>2340</td>
</tr>
<tr>
<td>95237.901</td>
<td>Heat Exchanger Conditioning Kit</td>
<td>25</td>
</tr>
<tr>
<td>95239.901</td>
<td>Sample Nickel Wire (not Certified)</td>
<td>65</td>
</tr>
<tr>
<td>900953.901</td>
<td>Calcium Oxalate Monohydrate</td>
<td>45</td>
</tr>
<tr>
<td>957082.901</td>
<td>Hook Hangdown</td>
<td>210</td>
</tr>
<tr>
<td>957781.001</td>
<td>Tube Load Q5000 IR Sample</td>
<td>50</td>
</tr>
<tr>
<td>957381.002</td>
<td>Tube Load Q5000 IR Reference</td>
<td>40</td>
</tr>
<tr>
<td>957341.901</td>
<td>TGA Weight Set Calibrated</td>
<td>85</td>
</tr>
<tr>
<td>957202.001</td>
<td>Crimping Die Set (for use with older standard press)</td>
<td>70</td>
</tr>
</tbody>
</table>

**TGA Q5000 SA Accessories**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>200266.001</td>
<td>RCS Dryer</td>
<td>275</td>
</tr>
<tr>
<td>957011.902</td>
<td>Replacement Accessory Kit , Q5000SA</td>
<td>2,940</td>
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</table>

**TGA Q5000 SA Sample Pans**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>957210.902</td>
<td>Kit Sample Pan Quartz (pkg of 3)</td>
<td>455</td>
</tr>
<tr>
<td>957210.903</td>
<td>Kit Sample Pan Quartz - Metal Coated (pkg of 3)</td>
<td>440</td>
</tr>
<tr>
<td>957207.903</td>
<td>Platinum Sample Pans, 50 μL (pkg of 3)</td>
<td>490</td>
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<tr>
<td>957207.904</td>
<td>Platinum Sample Pans, 100 μL (pkg of 3)</td>
<td>450</td>
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**TGA Q5000 SA Replacement Parts**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>957216.901</td>
<td>Tray Autosampler Humidity Chamber - 10 position</td>
<td>415</td>
</tr>
<tr>
<td>957099.901</td>
<td>Tray Autosampler TGA - 25 position (required for use with Platinum or Aluminum Pans)</td>
<td>565</td>
</tr>
<tr>
<td>957315.901</td>
<td>Loop Decoupler Kit</td>
<td>25</td>
</tr>
<tr>
<td>957082.901</td>
<td>Hook Hangdown</td>
<td>210</td>
</tr>
<tr>
<td>95316.901</td>
<td>Heat Exchanger</td>
<td>2340</td>
</tr>
<tr>
<td>95237.901</td>
<td>Heat Exchanger Conditioning Kit</td>
<td>25</td>
</tr>
<tr>
<td>957381.003</td>
<td>Tube Load Q5000 IR Sample / Reference</td>
<td>40</td>
</tr>
<tr>
<td>957156.901</td>
<td>Replacement Sensor Kit for Humidity Chamber</td>
<td>155</td>
</tr>
<tr>
<td>954860.901</td>
<td>TGA Cal Set (Calibrated) (for Q5000 IR and Q5000 SA)</td>
<td>780</td>
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</table>
### Common Consummables for TGA-HP and VTI-SA Sorption Analyzers

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>810026.001</td>
<td>Quartz Sample Holder (diameter = 12 mm) (for use with TGA-HP and VTI-SA)</td>
<td>80</td>
</tr>
<tr>
<td>810027.001</td>
<td>Quartz Sample Holder (flat bottom) (diameter = 12 mm) (for use with the TGA-HP and VTI-SA)</td>
<td>95</td>
</tr>
<tr>
<td>810028.001</td>
<td>Aluminum Round Sample Holder (diameter = 12 mm; height = 5 mm) (for use with TGA-HP and VTI-SA)</td>
<td>70</td>
</tr>
<tr>
<td>810028.002</td>
<td>Aluminum Round Sample Holder (diameter = 25 mm; height = 5 mm) (for use with VTI-SA)</td>
<td>70</td>
</tr>
<tr>
<td>810029.001</td>
<td>Permeation Cell (diameter = 10 mm; height = 10 mm) (for use with VTI-SA)</td>
<td>170</td>
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</table>

### Common Consummables for Previous Generation VTI Instruments

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>810031.001</td>
<td>Sample Holder 2cc (for use with the HPVA-1000)</td>
<td>830</td>
</tr>
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</table>

### TGA Q500 / Q50 Accessories and Field Upgrades

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>953350.901</td>
<td>Upgrade Kit, TGA High Resolution™</td>
<td>3,320</td>
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<tr>
<td>953450.901</td>
<td>Upgrade Kit, Modulated TGA™</td>
<td>2,780</td>
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<tr>
<td>953350.901</td>
<td>Upgrade Kit, Q500 Autosampler</td>
<td>6,730</td>
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<tr>
<td>953046.901</td>
<td>Evolved Gas Furnace (EGA)</td>
<td>3,860</td>
</tr>
<tr>
<td>953011.901</td>
<td>Event Cable, FTIR</td>
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</tr>
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</table>

### TGA Q500 / Q50 Sample Pans

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>952018.906</td>
<td>Platinum Sample Pans, 100 μl (pkg of 3)</td>
<td>450</td>
</tr>
<tr>
<td>952018.907</td>
<td>Ceramic Sample Pans, 100 μl (pkg of 3)</td>
<td>370</td>
</tr>
<tr>
<td>952018.908</td>
<td>Platinum Sample Pans, 50 μl (pkg of 3)</td>
<td>385</td>
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<tr>
<td>952018.909</td>
<td>Ceramic Sample Pans, 250 μl (pkg of 3)</td>
<td>410</td>
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<tr>
<td>952018.910</td>
<td>Ceramic Sample Pans, 500 μl (pkg of 3)</td>
<td>475</td>
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<tr>
<td>952323.902</td>
<td>Aluminum Sample Pans, 100 μl (pkg of 12)</td>
<td>125</td>
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</table>
## TGA Q500 / Q50 Replacement Parts

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>952040.901</td>
<td>Sample Hangdown Wire</td>
<td>60</td>
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<tr>
<td>952040.902</td>
<td>Tare Hangdown Wire</td>
<td>60</td>
</tr>
<tr>
<td>952040.903</td>
<td>Wire Hangdown Wire (without tare tube) - used in latest TGA Q500 / Q50</td>
<td>60</td>
</tr>
<tr>
<td>952119.001</td>
<td>Tube, Hangdown Wire</td>
<td>50</td>
</tr>
<tr>
<td>952526.901</td>
<td>Kapton® Hangdown Loop (strip of 10)</td>
<td>75</td>
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<tr>
<td>953208.901</td>
<td>Sample Thermocouple</td>
<td>315</td>
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<tr>
<td>952240.901</td>
<td>Auto TGA Q500 Multiple Sample Tray Kit</td>
<td>730</td>
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<tr>
<td>952357.901</td>
<td>Furnace Tube (quartz) with Seal Kit and Instructions</td>
<td>810</td>
</tr>
<tr>
<td>953032.901</td>
<td>Replacement TGA Q500 / Q50 Furnace</td>
<td>3,950</td>
</tr>
<tr>
<td>953032.980</td>
<td>TGA Q500 / Q50 Damaged Furnace Exchange Credit</td>
<td>485</td>
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<tr>
<td>953160.901</td>
<td>Heat Exchanger, TGA Q500 / Q50</td>
<td>2,140</td>
</tr>
<tr>
<td>952377.901</td>
<td>Conditioning Kit, TGA Q500 / Q50</td>
<td>25</td>
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## TGA Q5000 / Q500 / Q50 / 2950 / 2050 SDT Q600 / 2960 Calibration and Test Materials

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>952541.901</td>
<td>TGA / SDT ICTAC Curie Point Reference Materials Kit for Q5000 IR</td>
<td>1,100</td>
</tr>
<tr>
<td></td>
<td>Note: Includes 0.5 g each of the six ICTAC certified material listed below.</td>
<td></td>
</tr>
<tr>
<td>952541.902</td>
<td>TGA / SDT ICTAC Curie Point Reference Materials Kit</td>
<td>1,210</td>
</tr>
<tr>
<td></td>
<td>Note: Includes 0.5 g each of the six ICTAC certified material listed below.</td>
<td></td>
</tr>
<tr>
<td>952500.901</td>
<td>Replacement ICTAC Certified Curie Point Reference Material 153°C</td>
<td>440</td>
</tr>
<tr>
<td>952504.901</td>
<td>Replacement ICTAC Certified Curie Point Reference Material 337°C</td>
<td>440</td>
</tr>
<tr>
<td>952508.901</td>
<td>Replacement ICTAC Certified Curie Point Reference Material 554°C</td>
<td>440</td>
</tr>
<tr>
<td>952512.901</td>
<td>Replacement ICTAC Certified Curie Point Reference Material 746°C</td>
<td>440</td>
</tr>
<tr>
<td>952516.901</td>
<td>Replacement ICTAC Certified Curie Point Reference Material 931°C</td>
<td>440</td>
</tr>
<tr>
<td>952520.901</td>
<td>Replacement ICTAC Certified Curie Point Reference Material 1116°C</td>
<td>440</td>
</tr>
<tr>
<td>952384.901</td>
<td>TGA / SDT Temperature Calibration Kit (Alumel and Nickel Reference Materials)</td>
<td>685</td>
</tr>
<tr>
<td>952385.901</td>
<td>Replacement Certified Nickel Reference Material (for kit P/N: 952384.901)</td>
<td>440</td>
</tr>
<tr>
<td>952398.901</td>
<td>Replacement Certified Alumel Reference Material (for kit P/N: 952384.901)</td>
<td>440</td>
</tr>
<tr>
<td>952524.901</td>
<td>TGA / SDT Mass Loss Reference Materials Kit</td>
<td>1,210</td>
</tr>
<tr>
<td></td>
<td>Note: Includes 1 g each of the three materials listed below.</td>
<td></td>
</tr>
<tr>
<td>952528.901</td>
<td>Mass Loss Reference Material (2% solution)</td>
<td>440</td>
</tr>
<tr>
<td>952529.901</td>
<td>Mass Loss Reference Material (49% solution)</td>
<td>440</td>
</tr>
<tr>
<td>952532.901</td>
<td>Mass Loss Reference Material (98% solution)</td>
<td>440</td>
</tr>
<tr>
<td>269931.001</td>
<td>100 mg Class 1 Precision Weight for TGA Weight Calibration</td>
<td>125</td>
</tr>
<tr>
<td>269931.002</td>
<td>1 g Class 2 Precision Weight for TGA Weight Calibration</td>
<td>155</td>
</tr>
<tr>
<td>900905.901</td>
<td>Calcium Oxalate</td>
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### SDT Q600 Accessories and Upgrades

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>271001.002</td>
<td>SDT Q600 / MS Interface Kit</td>
<td>1,950</td>
</tr>
<tr>
<td>953481.901</td>
<td>Event Cable, FTIR</td>
<td>70</td>
</tr>
</tbody>
</table>

### SDT Q600 / 2960 Sample Pans

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>960070.901</td>
<td>Alumina Sample Cups; 90 μL (pkg of 3)</td>
<td>85</td>
</tr>
<tr>
<td>960072.901</td>
<td>Alumina Sample Cups; 40 μL (pkg of 3)</td>
<td>85</td>
</tr>
<tr>
<td>960148.901</td>
<td>Platinum Sample Cups; 40 μL (pkg of 3)</td>
<td>180</td>
</tr>
<tr>
<td>960149.901</td>
<td>Platinum Sample Cups; 110 μL (pkg of 3)</td>
<td>245</td>
</tr>
<tr>
<td>960239.901</td>
<td>Alumina Lids; (pkg of 3) (for use with P/N: 960070.901)</td>
<td>55</td>
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### SDT Q600 Replacement Parts

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>961011.901</td>
<td>Accessory Kit SDT Q600 (supplied with the SDT Q600 module)</td>
<td>1,370</td>
</tr>
<tr>
<td>960017.901</td>
<td>Dual Beam Thermocouple Kit, SDT Q600</td>
<td>875</td>
</tr>
<tr>
<td>270198.015</td>
<td>O-ring, Furnace Tube</td>
<td>6</td>
</tr>
<tr>
<td>960014.901</td>
<td>Calibration Weights Set</td>
<td>135</td>
</tr>
<tr>
<td>960059.001</td>
<td>Contact Thermocouple Wire</td>
<td>100</td>
</tr>
<tr>
<td>961020.901</td>
<td>SDT Q600 Furnace</td>
<td>5,550</td>
</tr>
<tr>
<td>961020.980</td>
<td>SDT Q600 Furnace Exchange Credit</td>
<td>810</td>
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</table>

### TMA Q400 / 400EM Accessories and Upgrade Kits

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>945300.901</td>
<td>Mechanical Cooling Accessory MCA 70 [115V]</td>
<td>6,200</td>
</tr>
<tr>
<td>Note: For programmed or quench cooling of the Q400 / Q400 EM over temperature range 400 to -70°C. Sealed refrigeration system does not require liquid nitrogen.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>945300.902</td>
<td>Mechanical Cooling Accessory MCA 70 [230V]</td>
<td>6,200</td>
</tr>
<tr>
<td>Note: For programmed or quench cooling of the Q400 / Q400 EM over temperature range 400 to -70°C. Sealed refrigeration system does not require liquid nitrogen.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>945650.901</td>
<td>TMA Film / Fiber Accessory Kit</td>
<td>2,070</td>
</tr>
<tr>
<td>Note: Consists of film / fiber sample stage, film / fiber probe assembly, vial of cleaved aluminum balls, film clamp assemblies, film clamp fixture, jeweller’s screwdriver and film clamp screws.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>944202.901</td>
<td>Dilatometer Accessory Kit</td>
<td>1,600</td>
</tr>
<tr>
<td>Note: Consists of dilatometer probe assembly, three dilatometer sample vials, two vials of filling medium, and a vial of aluminum calibration standard.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>944203.902</td>
<td>Flexure Accessory Kit (for Q400 use; supplied with Q400EM)</td>
<td>1,240</td>
</tr>
<tr>
<td>Note: Includes flexure probe assembly, flexure sample platform, and phase calibration fixture.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>944204.901</td>
<td>Parallel Plate Rheometer Accessory Kit</td>
<td>1,890</td>
</tr>
<tr>
<td>Note: Consists of rheometer sample forming die set, three rheometer alignment cages, and six rheometer parallel plates.</td>
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</tbody>
</table>
### TMA Q400 / 400EM Replacement Parts

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>944120.901</td>
<td>Sample Stage</td>
<td>450</td>
</tr>
<tr>
<td>944122.901</td>
<td>Expansion Probe Assembly</td>
<td>1,050</td>
</tr>
<tr>
<td>944123.901</td>
<td>Macro-expansion Probe Assembly</td>
<td>1,050</td>
</tr>
<tr>
<td>944124.901</td>
<td>Dilatometer Probe Assembly</td>
<td>1,050</td>
</tr>
<tr>
<td>944125.901</td>
<td>Hemispherical Probe Assembly</td>
<td>1,050</td>
</tr>
<tr>
<td>944126.901</td>
<td>Penetration Probe Assembly</td>
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</tr>
<tr>
<td>944127.901</td>
<td>Flexure Probe Assembly</td>
<td>910</td>
</tr>
<tr>
<td>945045.901</td>
<td>3-Point Bend Calibration Fixture</td>
<td>110</td>
</tr>
<tr>
<td>941054.000</td>
<td>Platform Flexure</td>
<td>210</td>
</tr>
<tr>
<td>944121.901</td>
<td>Film / Fiber Sample Holder</td>
<td>890</td>
</tr>
<tr>
<td>944125.901</td>
<td>Film / Fiber Probe Assembly</td>
<td>1,050</td>
</tr>
<tr>
<td>944126.901</td>
<td>Film / Fiber Upper Clamp</td>
<td>205</td>
</tr>
<tr>
<td>944127.901</td>
<td>Film / Fiber Lower Clamp</td>
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<tr>
<td>944128.901</td>
<td>Film Clamp Fixture</td>
<td>200</td>
</tr>
<tr>
<td>944220.901</td>
<td>Film Clamp Screws #0-80 (pkg of 10)</td>
<td>5</td>
</tr>
<tr>
<td>941038.901</td>
<td>Vial of Cleaved Aluminum Balls</td>
<td>80</td>
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<tr>
<td>941148.901</td>
<td>Filling Medium - Dilatometer Vial</td>
<td>90</td>
</tr>
<tr>
<td>944341.901</td>
<td>Protective Quartz for Sample Stage (pkg of 20)</td>
<td>570</td>
</tr>
<tr>
<td>944344.902</td>
<td>Thermocouple, TMA Kit</td>
<td>180</td>
</tr>
</tbody>
</table>

### TMA Q400 / 400EM / 2940 Calibration Materials

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>915061.901</td>
<td>Replacement Certified Indium Reference Material</td>
<td>455</td>
</tr>
<tr>
<td>944256.901</td>
<td>TMA Certified Temperature and Dimension Calibration Kit</td>
<td>1,090</td>
</tr>
<tr>
<td>944277.901</td>
<td>Replacement Certified Aluminum Reference Material</td>
<td>420</td>
</tr>
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</table>

### DMA Q800 Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>991400.902</td>
<td>Gas Cooling Accessory - Auto Tank Fill (for cooling to -150°C)</td>
<td>6,550</td>
</tr>
<tr>
<td>983350.901</td>
<td>Air Compressor Accessory (for use with DMA Q800, 2980 only)</td>
<td>1,520</td>
</tr>
<tr>
<td>983501.901</td>
<td>Accessory Kit, Q800 (supplied with the Q800)</td>
<td>2,350</td>
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</table>
## DMA Q800 Clamp Kits

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>984048.901</td>
<td>8 mm Single / Dual Cantilever Clamp Kit</td>
<td>1,930</td>
</tr>
<tr>
<td>984047.901</td>
<td>20 mm Single / Dual Cantilever Clamp Kit</td>
<td>1,930</td>
</tr>
<tr>
<td>984051.901</td>
<td>35 mm Single / Dual Cantilever Clamp Kit (supplied with DMA Q800 module)</td>
<td>1,930</td>
</tr>
<tr>
<td>984026.901</td>
<td>3-point Bending Clamp Kit (5, 10, and 15 mm lengths)</td>
<td>1,930</td>
</tr>
<tr>
<td>984014.901</td>
<td>3-point Bending Clamp Kit (20 and 50 mm lengths)</td>
<td>1,930</td>
</tr>
<tr>
<td>984018.901</td>
<td>Parallel Plate Compression Clamp Kit (includes 15 and 40 mm plates)</td>
<td>2,810</td>
</tr>
<tr>
<td>984022.901</td>
<td>Penetration Clamp Kit</td>
<td>1,930</td>
</tr>
<tr>
<td>985016.901</td>
<td>Film / Fiber Tension Clamp Kit</td>
<td>1,930</td>
</tr>
<tr>
<td>984029.901</td>
<td>Specialty Fiber Tension Clamp Kit</td>
<td>1,930</td>
</tr>
<tr>
<td>984037.901</td>
<td>Shear Sandwich Clamp Kit</td>
<td>2,400</td>
</tr>
<tr>
<td>985178.901</td>
<td>Submersible 3-point Bending Kit (5, 10, and 15 mm lengths), DMA Q800 only</td>
<td>2,760</td>
</tr>
<tr>
<td>985067.901</td>
<td>Submersible Compression Clamp Kit, DMA Q800 only</td>
<td>4,140</td>
</tr>
<tr>
<td>985068.901</td>
<td>Submersible Film / Fiber Tension Clamp Kit, DMA Q800 only</td>
<td>5,400</td>
</tr>
<tr>
<td>985069.901</td>
<td>3-point Bending Clamp Kit (50 mm, low friction)</td>
<td>2,040</td>
</tr>
<tr>
<td>985070.901</td>
<td>3-point Bending Clamp Kit (20 mm, low friction)</td>
<td>2,150</td>
</tr>
<tr>
<td>984486.901</td>
<td>Film Cutting Kit</td>
<td>480</td>
</tr>
<tr>
<td>985164.901</td>
<td>Powder Kit for 35 mm Cantilever Clamp</td>
<td>930</td>
</tr>
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</table>

## DMA Q800 / 2980 Replacement Parts

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>984003.901</td>
<td>Replacement Furnace</td>
<td>3,730</td>
</tr>
<tr>
<td>270962.001</td>
<td>Telescoping Gauge (for 10 mm single cantilever clamps)</td>
<td>65</td>
</tr>
<tr>
<td>270962.002</td>
<td>Telescoping Gauge (for 17 mm single cantilever clamps)</td>
<td>85</td>
</tr>
<tr>
<td>985199.901</td>
<td>Control Thermocouple (90 mm length)</td>
<td>155</td>
</tr>
<tr>
<td>985199.902</td>
<td>Sample Thermocouple (130 mm length)</td>
<td>155</td>
</tr>
<tr>
<td>984370.901</td>
<td>Furnace Inlet Ferrule / Spring Kit</td>
<td>30</td>
</tr>
<tr>
<td>270916.002</td>
<td>Filter / Regulator with Auto Drain</td>
<td>975</td>
</tr>
<tr>
<td>270915.001</td>
<td>Filter Replacement, Auto Drain Regulator</td>
<td>65</td>
</tr>
<tr>
<td>985078.001</td>
<td>Dual Cantilever Clamp Screen</td>
<td>45</td>
</tr>
<tr>
<td>985078.002</td>
<td>Film / Fiber Tension Clamp Screen</td>
<td>40</td>
</tr>
<tr>
<td>985052.901</td>
<td>Thermocouple Ruffle</td>
<td>30</td>
</tr>
<tr>
<td>984331.901</td>
<td>Film / Fiber Submersion Clamp Calibration Kit</td>
<td>6</td>
</tr>
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</table>

## DMA Q800 / 2980 Calibration and Test Materials

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>900901.901</td>
<td>Indium Temperature Calibration Sample</td>
<td>55</td>
</tr>
<tr>
<td>900907.901</td>
<td>Zinc Temperature Calibration Sample</td>
<td>55</td>
</tr>
<tr>
<td>984310.901</td>
<td>Indium Wire, Film / Fiber Temperature Calibration (pkg of 10 pieces, 38 mm long)</td>
<td>85</td>
</tr>
<tr>
<td>90228.902</td>
<td>Glass Support Cloth (0.2 mm thick, 33 m length)</td>
<td>255</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>Price</td>
</tr>
<tr>
<td>------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>982161.902</td>
<td>ABS Sample (3.18 mm thick, 61 mm long, pkg of 5)</td>
<td>35</td>
</tr>
<tr>
<td>982161.903</td>
<td>ABS Sample (3.18 mm thick, 36 mm long, pkg of 5)</td>
<td>35</td>
</tr>
<tr>
<td>982165.903</td>
<td>Polycarbonate Sample (1.6 mm thick, 36 mm long, pkg of 5)</td>
<td>35</td>
</tr>
<tr>
<td>982165.904</td>
<td>Polycarbonate Sample (0.79 mm thick, 36 mm long, pkg of 5)</td>
<td>35</td>
</tr>
<tr>
<td>984309.901</td>
<td>Polyethylene Terephthalate (PET) Film (pkg of 10 pieces, 38 mm long)</td>
<td>35</td>
</tr>
<tr>
<td>984313.901</td>
<td>PET Fiber (910 mm long)</td>
<td>35</td>
</tr>
<tr>
<td>984308.001</td>
<td>DNA Calibration Standard 0.005 inch thick</td>
<td>35</td>
</tr>
<tr>
<td>984308.002</td>
<td>DNA Calibration Standard 0.010 inch thick</td>
<td>35</td>
</tr>
<tr>
<td>984308.003</td>
<td>DNA Calibration Standard 0.020 inch thick</td>
<td>35</td>
</tr>
<tr>
<td>984308.004</td>
<td>DNA Calibration Standard 0.030 inch thick</td>
<td>35</td>
</tr>
<tr>
<td>982166.003</td>
<td>Sample Compliance Dual Cantilever</td>
<td>35</td>
</tr>
<tr>
<td>982166.004</td>
<td>Sample Compliance Single Cantilever</td>
<td>35</td>
</tr>
</tbody>
</table>

### Miscellaneous Q Series Upgrades and Accessories

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>920247.901</td>
<td>Display Kit Retrofit to QNX</td>
<td>4,910</td>
</tr>
</tbody>
</table>

Note: A TA Service installed kit that upgrades a Q Series DSC, TGA, TMA, or DMA module with VRTX module software to the new QNX version. The kit also includes a full QPA module display and the latest Advantage™ operating and data analysis software with Platinum™ features; the capability of which is module specific. Installation and basic training is also included. Contact your TA Instruments Field Service Engineer for further information.

### Replacement DSC 2920 Cells

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>915201.901</td>
<td>Replacement Standard DSC Cell - 2920</td>
<td>4,510</td>
</tr>
<tr>
<td>815201.901</td>
<td>Replacement Standard DSC Cell - 2920 - CE Compliant</td>
<td>4,510</td>
</tr>
<tr>
<td>915201.920</td>
<td>Replacement Standard DSC-RCS Cell - 2920</td>
<td>4,510</td>
</tr>
<tr>
<td>815201.920</td>
<td>Replacement Standard DSC-RCS Cell - 2920 - CE Compliant</td>
<td>4,510</td>
</tr>
</tbody>
</table>

### Replacement DSC 2910 Cells

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>900610.905</td>
<td>Replacement Standard DSC Cell - 2910</td>
<td>4,510</td>
</tr>
<tr>
<td>900610.920</td>
<td>Replacement Standard DSC-RCS Cell - 2910</td>
<td>4,510</td>
</tr>
</tbody>
</table>

### Replacement DSC 2010 Cell

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>911306.901</td>
<td>Replacement DSC Cell - 2010</td>
<td>4,510</td>
</tr>
</tbody>
</table>

Note: Requires installation by a TA Field Service Engineer.
## DSC 2920 / 2910 Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>900674.901</td>
<td>DSC Quench Cooling Accessory</td>
<td>700</td>
</tr>
<tr>
<td>270134.001</td>
<td>Flow Meter</td>
<td>310</td>
</tr>
<tr>
<td>270134.002</td>
<td>Dual Flow Meter</td>
<td>480</td>
</tr>
<tr>
<td>992300.901</td>
<td>Gas Switching Accessory - CE Compliant</td>
<td>2,610</td>
</tr>
</tbody>
</table>

Note: For programmed cooling operation to -120 °C, and quench cooling to -180°C using liquid nitrogen. Includes bell jar, O-ring, and thermal resistor disc.

## DSC 29XX Replacement Parts

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>900155.000</td>
<td>Bell Jar for DSC Cells</td>
<td>140</td>
</tr>
<tr>
<td>900681.000</td>
<td>Bell Jar for DSC Cooling Accessory</td>
<td>210</td>
</tr>
<tr>
<td>900779.000</td>
<td>Preforming Tool, for Hermetic Pans (Beige Press)</td>
<td>80</td>
</tr>
<tr>
<td>910034.001</td>
<td>DSC Cell Fiberglass Cleaning Brush</td>
<td>20</td>
</tr>
<tr>
<td>900635.000</td>
<td>Silver Lid (Standard Cell)</td>
<td>160</td>
</tr>
<tr>
<td>991123.001</td>
<td>Silver Inner Lid #1 (RCS Cell)</td>
<td>215</td>
</tr>
<tr>
<td>990680.002</td>
<td>Cell Lid, Silver with Hole #2</td>
<td>45</td>
</tr>
<tr>
<td>990664.001</td>
<td>Lid, Aluminum #3</td>
<td>45</td>
</tr>
<tr>
<td>900965.001</td>
<td>Silver Lid (Pressure DSC Cell)</td>
<td>205</td>
</tr>
</tbody>
</table>

## Auto DSC 29XX Replacement Parts

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>900706.901</td>
<td>Aluminum Pans, Standard (pkg of 200)</td>
<td>120</td>
</tr>
<tr>
<td>900779.901</td>
<td>Aluminum Lids, Standard (pkg of 200)</td>
<td>120</td>
</tr>
<tr>
<td>900793.901</td>
<td>Aluminum Pans, Hermetic (pkg of 200)</td>
<td>175</td>
</tr>
<tr>
<td>900794.901</td>
<td>Aluminum Lids, Hermetic (pkg of 200)</td>
<td>175</td>
</tr>
<tr>
<td>900867.902</td>
<td>Copper Pans, Auto DSC (pkg of 200)</td>
<td>160</td>
</tr>
<tr>
<td>990685.001</td>
<td>Auto DSC Sample Pan Lower Die for Sample Press</td>
<td>225</td>
</tr>
<tr>
<td>990887.001</td>
<td>Auto Sampler, Silver Lid (Standard Cell)</td>
<td>215</td>
</tr>
<tr>
<td>991123.003</td>
<td>Auto Sampler, Silver Lid (RCS cell)</td>
<td>205</td>
</tr>
<tr>
<td>990688.901</td>
<td>Sample Tray, Lid</td>
<td>130</td>
</tr>
<tr>
<td>990717.901</td>
<td>Gripper Assembly</td>
<td>215</td>
</tr>
<tr>
<td>990990.901</td>
<td>Sample Tray, Multiposition</td>
<td>500</td>
</tr>
</tbody>
</table>
DPC 931 / 930 Replacement Part

930001.001 Lamp, DPC, 200 W Hg. 535

High Temperature DTA Replacement Parts

900410.901 Pt/Pt/13% Rh Thermocouple Assembly (matched pair) (for 2910 DTA Cell) 460
917010.901 Pt/Pt/13% Rh Thermocouple Assembly (matched pair) (for 2920 DTA Cell) 440
900936.001 Alumina Furnace Tube (for 1600°C DTA Cell) 295
900710.901 Platinum Micro Sample Cups (pkg of 4) 815
900713.901 Platinum Macro Sample Cups (pkg of 4) 865
900711.901 Platinum Macro Sample Cup Liners (pkg of 10) 495
900712.901 Alumina Macro Sample Cup Liners (pkg of 6) 305
900906.901 Aluminum Oxide Reference Material 45

TGA 2950 / 2050 Accessories and Field Upgrades

952431.901 Evolved Gas Furnace (EGA) for TGA 2950 / 2050 4,120
Note: Recommended for evolved gas analysis with MS or FTIR. Requires installation by a TA Field Service Engineer.
852352.901 Evolved Gas Furnace (EGA) for TGA 2950 / 2050 - CE Compliant 6,090
Note: Recommended for evolved gas analysis with MS or FTIR. Requires installation by a TA Field Service Engineer.
992300.901 Gas Switching Accessory - CE Compliant 2,610
Note: Automatically switches between two purge gases; manual override included.
270134.901 Flow Meter 310
Note: For purge gas regulation (14.8 to 148 mL/min. air).
270134.002 Dual Flow Meter 480
Note: For purge gas regulation (14.8 to 148 mL/min. air).

TGA 2950 / 2050 Sample Pans

952018.901 Platinum Sample Pans, 100 μL (pkg of 3) 450
952018.902 Ceramic Sample Pans, 100 μL (pkg of 3) 370
952018.908 Platinum Sample Pans, 50 μL (pkg of 3) 385
952018.909 Ceramic Sample Pans, 250 μL (pkg of 3) 410
952018.910 Ceramic Sample Pans, 500 μL (pkg of 3) 475
952323.902 Aluminum Sample Pans, 100 μL (pkg of 12) 125
### TGA 2950 / 2050 Replacement Parts

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Item Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>952013.982</td>
<td>Rebuilt TGA 2950 Furnace</td>
<td>4,140</td>
</tr>
<tr>
<td>952013.980</td>
<td>Damaged Furnace</td>
<td>Exchange Credit</td>
</tr>
<tr>
<td>952040.901</td>
<td>Sample Hangdown Wire</td>
<td>60</td>
</tr>
<tr>
<td>952040.902</td>
<td>Tare Hangdown Wire</td>
<td>60</td>
</tr>
<tr>
<td>952068.901</td>
<td>Sample Thermocouple</td>
<td>135</td>
</tr>
<tr>
<td>952210.001</td>
<td>Work Surface Tray</td>
<td>125</td>
</tr>
<tr>
<td>952011.901</td>
<td>Accessory Kit, TGA 2950</td>
<td>1,860</td>
</tr>
<tr>
<td>952110.001</td>
<td>Tube, Hangdown Wire</td>
<td>50</td>
</tr>
<tr>
<td>952160.901</td>
<td>Heat Exchanger, TGA 2950</td>
<td>2,400</td>
</tr>
<tr>
<td>952290.901</td>
<td>Auto TGA 2950 Multiple Sample Tray Kit</td>
<td>730</td>
</tr>
<tr>
<td>952236.901</td>
<td>Kapton® Hangdown Loop (strip of 10)</td>
<td>75</td>
</tr>
<tr>
<td>952337.901</td>
<td>Furnace Tube (quartz) / Seal Kit / Instructions for EGA Furnace</td>
<td>810</td>
</tr>
<tr>
<td>952379.901</td>
<td>Conditioning Kit, TGA 2950 / 2050 Heat Exchanger</td>
<td>25</td>
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</table>

### SDT 2960 Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Item Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>270134.001</td>
<td>Flow Meter</td>
<td>310</td>
</tr>
<tr>
<td></td>
<td>Note: For purge gas regulation (14.8 to 148 mL/min. air). Stainless steel float, R-2-15-AAA tube, valve location at inlet, In / Out connections at back, brass fittings for 1/4 inch (6.35 mm) I.D. hose, tripod base with level. Also includes 25 feet (7.64 m) of 1/4 inch (6.35 mm) tygon tubing.</td>
<td></td>
</tr>
<tr>
<td>270134.002</td>
<td>Dual Flow Meter</td>
<td>480</td>
</tr>
<tr>
<td></td>
<td>Note: For purge gas regulation (14.8 to 148 mL/min. air). Stainless steel floats, two R-2-15-AAA tubes, valve location at inlet, In / Out connections at back, brass fittings for 1/4 inch (6.35 mm) I.D. hose, tripod base with level. Also includes 25 feet (7.64 m) of 1/4 inch (6.35 mm) tygon tubing.</td>
<td></td>
</tr>
<tr>
<td>992300.901</td>
<td>Gas Switching Accessory - CE Compliant</td>
<td>2,610</td>
</tr>
<tr>
<td></td>
<td>Note: Automatically switches between two purge gases; manual override included.</td>
<td></td>
</tr>
</tbody>
</table>

### SDT 2960 Replacement Parts

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Item Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>270198.015</td>
<td>O-ring, Furnace Tube</td>
<td>6</td>
</tr>
<tr>
<td>960017.901</td>
<td>Dual Beam Thermocouple Kit, SDT 2960</td>
<td>875</td>
</tr>
<tr>
<td>960059.001</td>
<td>Contact Thermocouple Wire</td>
<td>100</td>
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### TMA 2940 Accessories

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>945050.901</td>
<td>Film / Fiber Accessory Kit</td>
<td>2,070</td>
</tr>
<tr>
<td></td>
<td>Note: Consists of film / fiber sample stage, film / fiber probe assembly,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>vial of cleaved aluminum balls, film clamp fixture, jeweller’s screwdriver</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(2 mm), and ten film clamp screws (#0-80).</td>
<td></td>
</tr>
<tr>
<td>944202.901</td>
<td>Dilatometer Accessory Kit</td>
<td>1,600</td>
</tr>
<tr>
<td></td>
<td>Note: Consists of dilatometer probe assembly, three dilatometer sample vials,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>two vials of filling medium, and a vial of aluminum calibration standard.</td>
<td></td>
</tr>
<tr>
<td>944203.902</td>
<td>Flexure Accessory Kit</td>
<td>1,240</td>
</tr>
<tr>
<td></td>
<td>Note: Includes flexure probe assembly and flexure sample platform.</td>
<td></td>
</tr>
<tr>
<td>944204.901</td>
<td>Parallel Plate Rheometer Accessory Kit</td>
<td>1,890</td>
</tr>
<tr>
<td></td>
<td>Note: Consists of rheometer sample forming die set, three rheometer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>alignment cages, and six rheometer parallel plates.</td>
<td></td>
</tr>
<tr>
<td>270134.001</td>
<td>Flow Meter</td>
<td>310</td>
</tr>
<tr>
<td></td>
<td>Note: For purge gas regulation (14.8 to 148 mL/min air). Stainless Steel</td>
<td></td>
</tr>
<tr>
<td></td>
<td>float, R-2-15-AAA tube, valve location at inlet, in / out connections at</td>
<td></td>
</tr>
<tr>
<td></td>
<td>leak, brass fittings for 1/4 inch (6.35 mm) LD hose, tripod base with</td>
<td></td>
</tr>
<tr>
<td></td>
<td>level. Also includes 25 feet (7.64 m) of 1/4 inch (6.35 mm) tygon tubing.</td>
<td></td>
</tr>
</tbody>
</table>

### TMA 2940 Replacement Parts

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>944120.901</td>
<td>Sample Stage</td>
<td>450</td>
</tr>
<tr>
<td>944122.901</td>
<td>Expansion Probe Assembly</td>
<td>1,050</td>
</tr>
<tr>
<td>944123.901</td>
<td>Macro-expansion Probe Assembly</td>
<td>1,050</td>
</tr>
<tr>
<td>944124.901</td>
<td>Dilatometer Probe Assembly</td>
<td>1,050</td>
</tr>
<tr>
<td>944130.001</td>
<td>Dilatometer Sample Vial</td>
<td>145</td>
</tr>
<tr>
<td>944125.901</td>
<td>Hemispherical Probe Assembly</td>
<td>1,050</td>
</tr>
<tr>
<td>944126.901</td>
<td>Penetration Probe Assembly</td>
<td>1,050</td>
</tr>
<tr>
<td>944127.901</td>
<td>Flexure Probe Assembly</td>
<td>910</td>
</tr>
<tr>
<td>944121.901</td>
<td>Film / Fiber Sample Holder</td>
<td>890</td>
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<tr>
<td>945050.902</td>
<td>Film / Fiber Upgrade Kit - Includes Q400 probe, clamps, and clamping fixture</td>
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<tr>
<td>945052.901</td>
<td>Film / Fiber Upper Clamp</td>
<td>205</td>
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<tr>
<td>945023.901</td>
<td>Film / Fiber Lower Clamp</td>
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<tr>
<td>944356.901</td>
<td>Film Clamp Screws #0-80 (pkg of 10)</td>
<td>5</td>
</tr>
<tr>
<td>944554.901</td>
<td>Film Clamp Fixture</td>
<td>200</td>
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<tr>
<td>941038.901</td>
<td>Vial of Cleaved Aluminum Balls</td>
<td>80</td>
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<tr>
<td>941148.901</td>
<td>Filling Medium - Dilatometer Vial</td>
<td>90</td>
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<td>944531.901</td>
<td>Protective Quartz for Sample Stage</td>
<td>570</td>
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<tr>
<td>944534.902</td>
<td>Thermocouple, TMA Kit</td>
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</table>
### DEA 2970 Accessories and Replacement Parts

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>270134.003</td>
<td>Flow Meter</td>
<td>310</td>
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<tr>
<td>901315.901</td>
<td>Parallel Plate Ram Kit (range -150 to 500°C)</td>
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<tr>
<td>901316.901</td>
<td>Single Surface Ram Kit (range -150 to 500°C)</td>
<td>2,760</td>
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<tr>
<td>901402.901</td>
<td>Sputter Coated (thin film) Accessory Kit (range -150 to 500°C)</td>
<td>1,130</td>
</tr>
<tr>
<td>901101.901</td>
<td>Dryer Assembly (for drying purge gas)</td>
<td>1,110</td>
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<tr>
<td>901382.901</td>
<td>Parallel Plate Sensors (pkg of 10)</td>
<td>480</td>
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<tr>
<td>901383.901</td>
<td>Single Surface Sensors (pkg of 10)</td>
<td>745</td>
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<tr>
<td>901385.901</td>
<td>Spring Probe Kit (pkg of 30)</td>
<td>210</td>
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<tr>
<td>901388.901</td>
<td>Foil Rounds for DEA Drip Pans (pkg of 20)</td>
<td>85</td>
</tr>
<tr>
<td>901392.901</td>
<td>Foil Rounds with holes for DEA Drip Pans (pkg of 20)</td>
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<tr>
<td>901403.901</td>
<td>Sputter Coated (thin film) Sensors (pkg of 10 sets)</td>
<td>480</td>
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<tr>
<td>901507.901</td>
<td>Single Surface Drip Cover (pkg of 30)</td>
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### General Computer Accessories and Software

<table>
<thead>
<tr>
<th>Part Number</th>
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<tbody>
<tr>
<td>924500.602</td>
<td>Ethernet Switch</td>
<td>95</td>
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<tr>
<td>926100.901</td>
<td>Thermal Advantage Library Software</td>
<td>2,490</td>
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<tr>
<td>926205.802</td>
<td>Upgrade Kit Advantage Software</td>
<td>985</td>
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<tr>
<td>925003.901</td>
<td>HP Color Inkjet Printer: 115/230V, 50/60 Hz</td>
<td>325</td>
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### Common Thermal Analysis Tools and Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>259508.000</td>
<td>Tweezers, Brass</td>
<td>45</td>
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<tr>
<td>259509.000</td>
<td>Spatulas, Stainless Steel</td>
<td>50</td>
</tr>
<tr>
<td>271500.001</td>
<td>Tweezers, Curved</td>
<td>30</td>
</tr>
<tr>
<td>910824.001</td>
<td>DSC Cell Cleaning Brush</td>
<td>20</td>
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</table>
## Microcalorimeters

### TAM Systems

<table>
<thead>
<tr>
<th>TAM III Calorimeters</th>
<th>Price £</th>
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</thead>
<tbody>
<tr>
<td>320101 Lifting Tool, Nanocalorimeter</td>
<td>370</td>
</tr>
<tr>
<td>320140 Lifting Tool, Nanocalorimeter, for Heat Seal Ampoule</td>
<td>380</td>
</tr>
<tr>
<td>320601 Lifting Tool, Minicalorimeter</td>
<td>205</td>
</tr>
<tr>
<td>320640 Lifting Tool, Minicalorimeter, for Heat Seal Ampoule</td>
<td>210</td>
</tr>
<tr>
<td>3207 Minicalorimeter Dummy</td>
<td>560</td>
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### TAM AIR

<table>
<thead>
<tr>
<th>TAM AIR</th>
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<tbody>
<tr>
<td>323906 Lifting Tool, TAM AIR</td>
<td>50</td>
</tr>
<tr>
<td>334601 Lifting Eyelet, HDPE Plastic Ampoules, 20 ml</td>
<td>5</td>
</tr>
<tr>
<td>3346-5 HDPE Plastic Ampoules, 20 ml, with Screw Cap (pkg of 1000)</td>
<td>250</td>
</tr>
<tr>
<td>3350-2 TAM AIR Start Up Kit, 20 ml</td>
<td>1,500</td>
</tr>
<tr>
<td>3455 TAM AIR Admix Ampoule, 20 ml, without motor</td>
<td>915</td>
</tr>
<tr>
<td>3456-1 TAM AIR Admix Ampoule, 20 ml, with motor (115V, 50/60 Hz)</td>
<td>1,210</td>
</tr>
<tr>
<td>3456-2 TAM AIR Admix Ampoule, 20 ml, with motor (230V, 50/60 Hz)</td>
<td>1,210</td>
</tr>
<tr>
<td>345630 Stirrer, Disposable (pkg of 50), for Admix Ampoule, 20 ml</td>
<td>15</td>
</tr>
<tr>
<td>338302 Heat Sink Plugs, Aluminum (pkg of 1)</td>
<td>25</td>
</tr>
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### Static Ampoules and Consumables: 4 mL Calorimeters

<table>
<thead>
<tr>
<th>Ampoules</th>
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</thead>
<tbody>
<tr>
<td>2277-301 Ampoule, Stainless Steel, 4 ml, with Threaded Cap (pkg of 2)</td>
<td>325</td>
</tr>
<tr>
<td>2277-301.3 Ampoule, Hastelloy, 4 ml, with Threaded Cap (pkg of 2)</td>
<td>660</td>
</tr>
<tr>
<td>2277-302 Ampoule, Glass, Disposable, Start Up Kit, 3 ml</td>
<td>1,340</td>
</tr>
<tr>
<td>24.20.0401 Ampoule, Glass, Disposable, 4 ml (pkg of 485)</td>
<td>110</td>
</tr>
<tr>
<td>2502-10 Ampoule, Stainless Steel, 1 ml, with Circlip Cap (pkg of 1)</td>
<td>215</td>
</tr>
<tr>
<td>2502-11 Ampoule, Glass, 1 ml, with Circlip Cap (pkg of 1)</td>
<td>345</td>
</tr>
<tr>
<td>2502-12 Ampoule, Hastelloy, 1 ml, with Circlip Cap (pkg of 1)</td>
<td>360</td>
</tr>
<tr>
<td>2502-40 Ampoule, Stainless Steel, 4 ml, with Circlip Cap (pkg of 1)</td>
<td>220</td>
</tr>
<tr>
<td>2502-41 Ampoule, Glass, 4 ml, with Circlip Cap (pkg of 1)</td>
<td>345</td>
</tr>
<tr>
<td>2502-42 Ampoule, Hastelloy, 4 ml, with Circlip Cap (pkg of 1)</td>
<td>360</td>
</tr>
<tr>
<td>2506-41 Ampoule, Glass, Disposable, Start Up Kit, 4 ml</td>
<td>1,270</td>
</tr>
<tr>
<td>3320 Ampoule, Hastelloy, 4 ml, with Thread / O-Ring Cap (pkg of 1)</td>
<td>410</td>
</tr>
<tr>
<td>3320-1 Ampoule, Stainless Steel, 4 ml, with Thread / O-Ring Cap (pkg of 1)</td>
<td>275</td>
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<tr>
<td>3323 Ampoule, Glass / Hastelloy, 4 ml, with Hastelloy Circlip Cap (pkg of 1)</td>
<td>365</td>
</tr>
<tr>
<td>Description</td>
<td>Code</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------------</td>
<td>-------</td>
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<tr>
<td>3323-1 Ampoule, Glass / Hastelloy, 4 mL, with Stainless Steel Circlip Cap (pkg of 1)</td>
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</tr>
<tr>
<td>3325 Ampoule, Heat Seal, 5 mL (pkg of 324)</td>
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</tr>
<tr>
<td>3330-3 Start Up Kit 4 mL, with 50 Eyelets</td>
<td></td>
</tr>
<tr>
<td>3330-4 Start Up Kit 4 mL, with 12 Eyelets</td>
<td></td>
</tr>
<tr>
<td>86.33.0400 Aluminum Caps, Sealing Discs, Glass Ampoules 3 and 4 mL (pkg of 100)</td>
<td></td>
</tr>
<tr>
<td>95.53.1015 Ampoules, Glass, Disposable, 3 mL (pkg of 100)</td>
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**Other Consumables and Accessories: 4 mL Calorimeters**

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2250-420 Ampoule Seal, PTFE, 1 and 4 mL (pkg of 5)</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>2252-660 Lifting Eyelet, Ampoule, 1 mL</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>2277-301 Lifting Tool, Ampoules, 3 and 4 mL</td>
<td></td>
<td>175</td>
</tr>
<tr>
<td>2277-305 Seal Discs, PTFE, 4 mL, Threaded Cap (pkg of 100)</td>
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<td>40</td>
</tr>
<tr>
<td>3339 Cap, Crimping Tool, Ampoules, 3 and 4 mL</td>
<td></td>
<td>865</td>
</tr>
<tr>
<td>2277-315 Clamping Tool</td>
<td></td>
<td>85</td>
</tr>
<tr>
<td>2421-010 Lifting Eyelet, Ampoules, Glass, 4 and 20 mL</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>2421-020 Centering Tool, 4 mL Disposable Glass Ampoule</td>
<td></td>
<td>65</td>
</tr>
<tr>
<td>2421-060 Lifting Eyelet, Ampoules, Glass, 3 mL</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>2580 Ampoule Safety Lock</td>
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<td>25</td>
</tr>
<tr>
<td>2585 Lifting Tool, Ampoules, Heat Seal</td>
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<td>185</td>
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<tr>
<td>2611 Calibrations Test Kit, 4 mL</td>
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<td>1,670</td>
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<tr>
<td>84.25.1201 Circlip S8H 12 mm (pkg of 1)</td>
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<td>3</td>
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<tr>
<td>84.39.1001.2 O-Ring 10.4 x 1.0 mm Nitrile (pkg of 1)</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>84.39.1001.3 O-Ring 10.4 x 1.0 mm EPDM (pkg of 1)</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>84.39.1001.4 O-Ring 10.4 x 1.0 mm Viton® (pkg of 1)</td>
<td></td>
<td>2</td>
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<tr>
<td>84.39.1001.5 O-Ring 10.4 x 1.0 mm Kalrez® (pkg of 1)</td>
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**Static Ampoules and Consumables: 20 mL Calorimeters**

<table>
<thead>
<tr>
<th>Description</th>
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<th>Price</th>
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<tbody>
<tr>
<td>2277-309 Ampoule, Stainless Steel, 20 mL, with Threaded Cap (pkg of 1)</td>
<td></td>
<td>280</td>
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<tr>
<td>34.60.2001 Ampoules, Disposable Glass, 20 mL (pkg of 113)</td>
<td></td>
<td>55</td>
</tr>
<tr>
<td>3602-20 Ampoule, Stainless Steel, 20 mL, with Circlip Cap (pkg of 1)</td>
<td></td>
<td>240</td>
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<tr>
<td>3602-21 Ampoule, Glass, 20 mL, with Circlip Cap (pkg of 1)</td>
<td></td>
<td>430</td>
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<tr>
<td>3602-22 Ampoule, Hastelloy, 20 mL, with Circlip Cap (pkg of 1)</td>
<td></td>
<td>640</td>
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<tr>
<td>3606-21 Start Up Kit 20 mL, Disposable Glass Ampoules</td>
<td></td>
<td>1,390</td>
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<tr>
<td>3343 Ampoule, Glass / Hastelloy, 20 mL, with Hastelloy Circlip Cap (pkg of 1)</td>
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<td>575</td>
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<tr>
<td>3343-1 Ampoule, Glass / Hastelloy, 20 mL, with Stainless Steel Circlip Cap (pkg of 1)</td>
<td></td>
<td>450</td>
</tr>
<tr>
<td>86.33.2000 Aluminum Caps, Sealing Discs, Glass Ampoules, 20 mL (pkg of 100)</td>
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<td>70</td>
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<tr>
<td>2616-020 Centering Tool, 20 mL Disposable Glass Ampoule</td>
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### Other Consumables and Accessories: 20 mL Calorimeters

<table>
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<tr>
<th>Item Code</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>22.30.0100</td>
<td>Lifting Tool, Ampoules, 20 mL</td>
<td>250</td>
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<tr>
<td>22.34.220</td>
<td>Ampoule Seal, PTFE, 20 mL, (pkg of 5)</td>
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<tr>
<td>22.77.312</td>
<td>PTFE Seal Discs, 20 mL, with Threaded Cap (pkg of 50)</td>
<td>60</td>
</tr>
<tr>
<td>22.77.315</td>
<td>Clamping Tool</td>
<td>85</td>
</tr>
<tr>
<td>24.21.010</td>
<td>Lifting Eyelet, Glass Ampoules, 4 and 20 mL</td>
<td>10</td>
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<tr>
<td>24.62.000</td>
<td>Cap Crimping Tool, Glass Ampoules, 20 mL</td>
<td>605</td>
</tr>
<tr>
<td>25.80</td>
<td>Ampoule Safety Lock</td>
<td>25</td>
</tr>
<tr>
<td>26.12</td>
<td>Calibration Test Kit, 20 ml</td>
<td>2,090</td>
</tr>
<tr>
<td>84.25.2501</td>
<td>Circlip SGH, 25 mm (pkg of 1)</td>
<td>5</td>
</tr>
<tr>
<td>84.39.2201.1</td>
<td>O-Ring 22.1 x 1.6 mm Nitrile (pkg of 1)</td>
<td>2</td>
</tr>
<tr>
<td>84.39.2201.2</td>
<td>O-Ring 22.1 x 1.6 mm EPDM (pkg of 1)</td>
<td>2</td>
</tr>
<tr>
<td>84.39.2201.3</td>
<td>O-Ring 22.1 x 1.6 mm Viton® (pkg of 1)</td>
<td>2</td>
</tr>
<tr>
<td>84.39.2201.4</td>
<td>O-Ring 22.1 x 1.6 mm Kalrez® (pkg of 1)</td>
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### Ampoules and Consumables: Solution Calorimeter

<table>
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<tbody>
<tr>
<td>22.25.0190</td>
<td>Stirrer, 18K Gold, 100 mL</td>
<td>785</td>
</tr>
<tr>
<td>22.25.0190K</td>
<td>Stirrer, 18K Gold, 25 mL</td>
<td>570</td>
</tr>
<tr>
<td>22.25.14X</td>
<td>Bridge Plug Temperature XX°C (XX = desired isothermal temperature, specify when ordering)</td>
<td>110</td>
</tr>
<tr>
<td>22.25-110</td>
<td>Reaction Vessel, Glass, 100 mL, with Bridge Plugs</td>
<td></td>
</tr>
<tr>
<td>22.25-130</td>
<td>Reaction Vessel, Glass, 25 ml, with Bridge Plugs</td>
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<tr>
<td>22.25-150</td>
<td>Crushing Ampoules, 1 mL, with Stopper (pkg of 50)</td>
<td>410</td>
</tr>
<tr>
<td>22.25-151</td>
<td>Crushing Ampoules, Heat Seal, 1 ml, with Filling Tube 1 mm</td>
<td>600</td>
</tr>
<tr>
<td>22.25-152</td>
<td>Crushing Ampoules, Heat Seal, 1 ml, with Filling Tube 2 mm</td>
<td>600</td>
</tr>
<tr>
<td>22.26-110</td>
<td>Titration Vessel, Glass, 100 mL, with Bridge Plugs</td>
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<tr>
<td>22.26-130</td>
<td>Titration Vessel, Glass, 25 ml, with Bridge Plugs</td>
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<tr>
<td>38.20</td>
<td>Heat Sealer</td>
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### Consumables and Accessories: 1 and 4 mL Micro Reaction Systems

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>22.50.1200</td>
<td>Shaft, Complete, Perfusion, 1 and 4 mL</td>
<td>220</td>
</tr>
<tr>
<td>22.50.1200.1</td>
<td>Shaft, Complete, Perfusion, Hastelloy, 1 and 4 mL</td>
<td>370</td>
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<tr>
<td>22.50.1200.3</td>
<td>Shaft, Lower, Perfusion, 18K Gold, 4 mL</td>
<td>165</td>
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<tr>
<td>22.50.4001.1</td>
<td>Tube, Titration, 18K Gold, 4 mL</td>
<td>460</td>
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<tr>
<td>22.51.1200</td>
<td>Shaft, Complete Titration, 1 and 4 mL</td>
<td>230</td>
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<tr>
<td>22.51.1200.1</td>
<td>Shaft, Complete, Titration, 1 and 4 mL, Gold 18K</td>
<td>310</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>Price</td>
</tr>
<tr>
<td>------------</td>
<td>-------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>22.51.1200.3</td>
<td>Shaft, Complete, Titration, Hastelloy, 1 and 4 mL</td>
<td>360</td>
</tr>
<tr>
<td>22.51.1230.1</td>
<td>Shaft, Lower, Titration, 18K Gold, 4 mL</td>
<td>190</td>
</tr>
<tr>
<td>2250-420</td>
<td>Ampoule Seal, PTFE, 1 and 4 mL (pkg of 5)</td>
<td>15</td>
</tr>
<tr>
<td>2250-450</td>
<td>Reaction Vessel, Stainless Steel, 4 mL</td>
<td>85</td>
</tr>
<tr>
<td>2250-452</td>
<td>Reaction Vessel, Glass, 4 mL</td>
<td>220</td>
</tr>
<tr>
<td>2250-453</td>
<td>Reaction Vessel, Hastelloy, 4 mL</td>
<td>165</td>
</tr>
<tr>
<td>2250-500</td>
<td>Stirrer, Turbine, Kelf, 4 mL</td>
<td>105</td>
</tr>
<tr>
<td>2250-501</td>
<td>Stirrer, Turbine, Stainless Steel, 4 mL</td>
<td>120</td>
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<tr>
<td>2250-502</td>
<td>Stirrer, Turbine, Kelf with 18K Gold Shaft, 4 mL</td>
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<tr>
<td>2250-503</td>
<td>Stirrer, Turbine, Hastelloy, 4 mL</td>
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<tr>
<td>2250-510</td>
<td>Stirrer, Paddle, T8K Gold, 4 mL</td>
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<tr>
<td>2250-520</td>
<td>Propeller, T8K Gold, 4 mL</td>
<td>365</td>
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<tr>
<td>2250-990</td>
<td>Kalrez® Kit, Ampoule, Perfusion, 1 and 4 mL</td>
<td>720</td>
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<tr>
<td>2250-991</td>
<td>Kalrez® Kit, Ampoule, Titration, 1 and 4 mL</td>
<td>785</td>
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<tr>
<td>2250-999</td>
<td>Service Kit, 1 and 4 mL</td>
<td>495</td>
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<tr>
<td>2252-450</td>
<td>Reaction Vessel, Stainless Steel, 1 mL</td>
<td>80</td>
</tr>
<tr>
<td>2252-452</td>
<td>Reaction Vessel, Glass, 1 mL</td>
<td>205</td>
</tr>
<tr>
<td>2252-453</td>
<td>Reaction Vessel, Hastelloy, 1 mL</td>
<td>165</td>
</tr>
<tr>
<td>2252-511</td>
<td>Propeller, T8K Gold, 1 mL</td>
<td>345</td>
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<tr>
<td>2252-530</td>
<td>Stirrer, Turbine, Kelf, 1 mL</td>
<td>155</td>
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<tr>
<td>2255-990</td>
<td>Kalrez® Kit, Ampoule, RH Perfusion, 1 and 4 mL</td>
<td>1,500</td>
</tr>
<tr>
<td>2255-991</td>
<td>Kalrez® Kit, Ampoule, RH Perfusion / Titration, 1 and 4 mL</td>
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<tr>
<td>2256-510</td>
<td>Cell Culture Glasses (pkg of 10)</td>
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<tr>
<td>2256-520</td>
<td>Matrix Cartridge</td>
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<tr>
<td>2421-032</td>
<td>Hygrostat, Micro, 0.2 mL (pkg of 100)</td>
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<tr>
<td>2421-033</td>
<td>Hygrostat, Micro, 0.3 mL (pkg of 100)</td>
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<tr>
<td>332005</td>
<td>Calibration Heater, External, 4 mL</td>
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<tr>
<td>332006</td>
<td>Reaction Vessel, Glass / Hastelloy, 4 mL</td>
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<tr>
<td>2251-990</td>
<td>Titration Preparation Kit</td>
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<td>3520</td>
<td>Stirrer Holder for Plates with Glass Slides (pkg of 10)</td>
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<td>84.25.1201</td>
<td>Cilrity STH, 12 mm (pkg of 1)</td>
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<td>84.39.1001.1</td>
<td>O-Ring, 10.4 x 1.0 mm Nitrile (pkg of 1)</td>
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<tr>
<td>84.39.1001.2</td>
<td>O-Ring, 10.4 x 1.0 mm EPRM (pkg of 1)</td>
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<tr>
<td>84.39.1001.3</td>
<td>O-Ring, 10.4 x 1.0 mm Viton® (pkg of 1)</td>
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<tr>
<td>84.39.1001.4</td>
<td>O-Ring, 10.4 x 1.0 mm Kalrez® (pkg of 1)</td>
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<td>Part Number</td>
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<tr>
<td>6310-001</td>
<td>Power Supply, Single Channel (115V, 60Hz), for 2277 MRS Ampoules</td>
<td>100</td>
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<tr>
<td>6310-002</td>
<td>Power Supply, Single Channel (230V, 50/60Hz), for 2277 MRS Ampoules</td>
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<tr>
<td>6311-001</td>
<td>Stirrer Power Supply (1.5 to 12VDC, USA), for TAM III 20 L MRS Ampoules</td>
<td>100</td>
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<td>6311-002</td>
<td>Stirrer Power Supply (5 to 12VDC, EURO), for TAM III 20 L MRS Ampoules</td>
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<td>22.54.1230.1</td>
<td>Shaft, Lower, Perfusion, 18K Gold, 20 ml</td>
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<td>22.54.1231.1</td>
<td>Shaft, Lower, Titration, 18K Gold, 20 ml</td>
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<td>22.64.1200</td>
<td>Shaft, Complete, Perfusion, 20 ml</td>
<td>210</td>
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<tr>
<td>22.64.1200.3</td>
<td>Shaft, Complete, Perfusion, Hastelloy, 20 ml</td>
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<tr>
<td>22.64.1201</td>
<td>Shaft, Complete, Titration, 20 ml</td>
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<td>Shaft, Complete, Titration, Hastelloy, 20 ml</td>
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<td>345060.02</td>
<td>Shaft, Complete, Titration, 20 ml, TAM III</td>
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<td>22.64.0100.1</td>
<td>Tube, Titration, 18K Gold, 20 ml</td>
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<tr>
<td>2254-410</td>
<td>Ampoule Seal, PTFE, 20 ml (pkg of 5)</td>
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<td>2254-430</td>
<td>Reaction Vessel, Stainless Steel, 20 ml</td>
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<td>2254-435</td>
<td>Reaction Vessel, Glass, 20 ml</td>
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<tr>
<td>2254-500</td>
<td>Stirrer, Turbine, PEEK, 20 ml</td>
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<td>2254-503</td>
<td>Stirrer, Turbine, Hastelloy, 20 ml</td>
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<td>2254-510</td>
<td>Stirrer, Paddle, 18K Gold, 20 ml</td>
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<tr>
<td>2254-511</td>
<td>Stirrer, Paddle, Stainless Steel, 20 ml</td>
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<tr>
<td>2254-999</td>
<td>Service Kit, 20 ml</td>
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<tr>
<td>2264-990</td>
<td>Kalrez® Kit, Perfusion Ampoule, 20 ml</td>
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<tr>
<td>2264-991</td>
<td>Kalrez® Kit, Titration Ampoule, 20 ml</td>
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<tr>
<td>2265-621</td>
<td>Sample Cartridge, 20 μl, Channel 1</td>
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<tr>
<td>2265-622</td>
<td>Sample Cartridge, 20 μl, Channel 2</td>
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<tr>
<td>2265-623</td>
<td>Sample Cartridge, 20 μl, Channel 3</td>
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<td>22.65.9011</td>
<td>Loading Tube, Cartridge, 20 μl</td>
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<tr>
<td>2265-641</td>
<td>Sample Cartridge, 40 μl, Channel 1</td>
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<tr>
<td>2265-642</td>
<td>Sample Cartridge, 40 μl, Channel 2</td>
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<tr>
<td>2265-643</td>
<td>Sample Cartridge, 40 μl, Channel 3</td>
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<tr>
<td>22.65.9010</td>
<td>Loading Tube, Cartridge, 40 μl</td>
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<tr>
<td>22.65.9000</td>
<td>Loading Tool</td>
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<tr>
<td>2269-990</td>
<td>Kalrez® Kit, Ampoule, RH Perfusion, 20 ml</td>
<td>1,770</td>
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<tr>
<td>2269-991</td>
<td>Kalrez® Kit, Ampoule, RH Perfusion / Titration, 20 ml</td>
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<tr>
<td>334305</td>
<td>Reaction Vessel, Glass / Hastelloy, 20 ml</td>
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<tr>
<td>84.25.25301</td>
<td>Circlip SGH 25 mm (pkg of 1)</td>
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<tr>
<td>Code</td>
<td>Description</td>
<td>Quantity</td>
</tr>
<tr>
<td>--------</td>
<td>-----------------------------------------------------------------------------</td>
<td>----------</td>
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<tr>
<td>84.33.0503</td>
<td>Blind Plug (Bio-Chem Fluidics) (pkg of 1)</td>
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</tr>
<tr>
<td>84.39.2201.1</td>
<td>O-Ring 22.1 x 1.6 mm Nitride (pkg of 1)</td>
<td>2</td>
</tr>
<tr>
<td>84.39.2201.2</td>
<td>O-Ring 22.1 x 1.6 mm EPDM (pkg of 1)</td>
<td>2</td>
</tr>
<tr>
<td>84.39.2201.3</td>
<td>O-Ring 22.1 x 1.6 mm Viton® (pkg of 1)</td>
<td>2</td>
</tr>
<tr>
<td>84.39.2201.4</td>
<td>O-Ring 22.1 x 1.6 mm Kalrez® (pkg of 1)</td>
<td>105</td>
</tr>
<tr>
<td>84.39.2201.5</td>
<td>O-Ring 22.1 x 1.6 mm Kalrez® (pkg of 1)</td>
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</tr>
<tr>
<td>84.39.2201.6</td>
<td>O-Ring 0.74 x 1.02 mm Kalrez® (pkg of 1)</td>
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</tr>
<tr>
<td>84.39.2201.7</td>
<td>O-Ring 1.15 x 1.0 mm Kalrez® (pkg of 1)</td>
<td>105</td>
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**General Consumables**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>2281-999</td>
<td>Flow Switch Tubing</td>
<td>160</td>
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<tr>
<td>6140-008</td>
<td>Syringe, 100 μl with Cannula, Stainless Steel</td>
<td>180</td>
</tr>
<tr>
<td>6140-009</td>
<td>Syringe, 100 μl with Cannula, 18K Gold</td>
<td>415</td>
</tr>
<tr>
<td>6140-010</td>
<td>Syringe, 250 μl with Cannula, Stainless Steel</td>
<td>180</td>
</tr>
<tr>
<td>6140-011</td>
<td>Syringe, 250 μl with Cannula, 18K Gold</td>
<td>415</td>
</tr>
<tr>
<td>6140-012</td>
<td>Syringe, 500 μl with Cannula, Stainless Steel</td>
<td>180</td>
</tr>
<tr>
<td>6140-013</td>
<td>Syringe, 500 μl with Cannula, 18K Gold</td>
<td>415</td>
</tr>
<tr>
<td>6140-014</td>
<td>Syringe, 1 ml with Cannula, Stainless Steel</td>
<td>180</td>
</tr>
<tr>
<td>6140-015</td>
<td>Syringe, 1 ml with Cannula, 18K Gold</td>
<td>415</td>
</tr>
<tr>
<td>6140-016</td>
<td>Syringe, 2.5 ml with Cannula, Stainless Steel</td>
<td>180</td>
</tr>
<tr>
<td>6140-017</td>
<td>Syringe, 2.5 ml with Cannula, 18K Gold</td>
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<tr>
<td>6141-044</td>
<td>Tubing, Aliprene, White / White (pkg of 6)</td>
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</tbody>
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**2277 Thermostats and Calorimetric Accessories**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>2277-501</td>
<td>Inhibitor Liquid (consumable for Thermostats)</td>
<td>35</td>
</tr>
<tr>
<td>5520-001</td>
<td>Pre Thermostat (115V)</td>
<td>3,480</td>
</tr>
<tr>
<td>5520-002</td>
<td>Pre Thermostat (230V)</td>
<td>3,480</td>
</tr>
<tr>
<td>2277-121</td>
<td>Nanovolt Amplifier Module</td>
<td>8,300</td>
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<tr>
<td>2277-131</td>
<td>Digital Calibration Module</td>
<td>4,770</td>
</tr>
<tr>
<td>2277-132</td>
<td>DIGITAM v4.1 for Windows®</td>
<td>6,600</td>
</tr>
<tr>
<td>2277-133</td>
<td>DIGITAM v4.1 for Windows®, Update from v3.0</td>
<td>850</td>
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<tr>
<td>2277-134</td>
<td>DIGITAM v4.1 for Windows®, Update from v2.0</td>
<td>1,280</td>
</tr>
<tr>
<td>3701</td>
<td>TAM Assistant Software Upgrade</td>
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<tr>
<td>3702</td>
<td>TAM Air Assistant Software Upgrade</td>
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### CSC Systems

#### NANO DSC System Consumables

<table>
<thead>
<tr>
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<th>Item Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>6111</td>
<td>Vinyl Caps for Capillary Cell (pkg of 20)</td>
<td>15</td>
</tr>
<tr>
<td>6312</td>
<td>Pressure Cap O-ring (pkg of 2)</td>
<td>40</td>
</tr>
<tr>
<td>6313</td>
<td>Pressure Cap</td>
<td>425</td>
</tr>
<tr>
<td>6114</td>
<td>Tubing Manifold, 2 feet (pkg of 2)</td>
<td>15</td>
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<tr>
<td>6115</td>
<td>Micropipette, for Capillary Cell</td>
<td>325</td>
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<tr>
<td>6116</td>
<td>Pipette Tips, used with Capillary Cell</td>
<td>50</td>
</tr>
<tr>
<td>6317</td>
<td>Cylindrical Cell Cleaning Tool</td>
<td>195</td>
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<tr>
<td>6118</td>
<td>O-ring for Cylindrical Cell Cleaning Tool (pkg of 4)</td>
<td>40</td>
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<tr>
<td>6119</td>
<td>Syringe, 1 ml, for Cylindrical Cell</td>
<td>125</td>
</tr>
<tr>
<td>6120</td>
<td>Syringe Needle (5 inch), No Stop, for Cylindrical Cell</td>
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#### NANO ITC System Accessories and Consumables

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<thead>
<tr>
<th>Code</th>
<th>Item Description</th>
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<tbody>
<tr>
<td>6326</td>
<td>Complete Degassing Station (110V/230V)</td>
<td>2,950</td>
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<tr>
<td>99552090</td>
<td>Teflon Coated Stir Rod for 1 ml Conical Vials</td>
<td>10</td>
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<tr>
<td>99552080</td>
<td>Teflon Coated Round Stir Rod (3 mm x 0.33 mm)</td>
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<tr>
<td>99552102</td>
<td>Teflon Coated Round Stir Rod (8 mm x 25 mm)</td>
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<tr>
<td>99552110</td>
<td>Clear Plastic Vacuum Dome for Degassing Station (P/N: 6326)</td>
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<tr>
<td>72314210</td>
<td>Vacuum Flask, Side Arm, 1000 ml</td>
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<tr>
<td>603028</td>
<td>Vacuum Connection Hose Assembly (for P/N: 6326 Degassing Station)</td>
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<tr>
<td>526-1</td>
<td>Complete Degassing Assembly (115V)</td>
<td>1,700</td>
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<tr>
<td>4801</td>
<td>1L Side-Arm Vacuum Flask (Glass)</td>
<td>125</td>
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<tr>
<td>5312</td>
<td>O-ring, for Titration Handle (pkg of 2)</td>
<td>40</td>
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<tr>
<td>5317</td>
<td>Cleaning Tool for Titration Cell</td>
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<tr>
<td>5319</td>
<td>Vacuum Cup Replacement for Cleaning Tool (P/N: 317)</td>
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</tr>
<tr>
<td>5342</td>
<td>Cell Filling Syringe (2.5 ml), with Needle</td>
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</tr>
<tr>
<td>5343</td>
<td>Filling Syringe Needle (pkg of 3)</td>
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<tr>
<td>5344</td>
<td>Titration Syringe (100 μL), with Needle</td>
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<tr>
<td>5345</td>
<td>Titration Syringe (250 μL), with Needle</td>
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### Multi-Cell DSC System Accessories and Consumables

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<tbody>
<tr>
<td>4129</td>
<td>Gas Regulator (0 to 4,000 psi / 0 to 40 psi), for use in North America only</td>
<td>375</td>
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<tr>
<td>4130</td>
<td>Second User Ampoule Kit</td>
<td>3,760</td>
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<tr>
<td>4128-1</td>
<td>High Capacity Cooling Bath (115V)</td>
<td>2,790</td>
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<td>4128-2</td>
<td>High Capacity Cooling Bath (230V)</td>
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<td>4171</td>
<td>High Pressure Ampoule Kit for MC-DSC</td>
<td>9,230</td>
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<td>4175</td>
<td>Batch Mixing Ampoule Kit</td>
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<tr>
<td>4176</td>
<td>Probe Accessible Cells</td>
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### Accessories, Parts, and Supplies for Previous Generation CSC Instruments

#### DSC Calorimeters

<table>
<thead>
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<tbody>
<tr>
<td>4131</td>
<td>Reusable Ampoule, Hastelloy-C (set of 3)</td>
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<tr>
<td>4136</td>
<td>Solid Reference Ampoule Set</td>
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<tr>
<td>4138</td>
<td>MC DSC Access Lid O-ring</td>
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<tr>
<td>4139</td>
<td>Ampoule Storage Block</td>
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#### Isothermal Titration Calorimeters

##### Model 4201-ST Isothermal Titration Calorimeter

<table>
<thead>
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<th>Part Number</th>
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<tr>
<td>4230</td>
<td>Second User - Cell Assembly Kit</td>
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<tr>
<td>4231</td>
<td>Cell Assembly Set, Hastelloy-C (2 each)</td>
<td>5,480</td>
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<tr>
<td>4232</td>
<td>Test Shunt Assembly (2 each)</td>
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<tr>
<td>4235</td>
<td>Micro-Batch Addition Cell</td>
<td>9,870</td>
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<tr>
<td>4232</td>
<td>Cell Filling Syringe (2.5 mL), with Needle</td>
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<tr>
<td>4243</td>
<td>Teflon® Stirrer Sleeves (pkg of 2)</td>
<td>5</td>
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<tr>
<td>4244</td>
<td>Buret Syringes and Needle</td>
<td>195</td>
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<tr>
<td>4245</td>
<td>Flexible Cell Stirrers (pkg of 3)</td>
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<tr>
<td>4246</td>
<td>Viton® Cell Orings (pkg of 10)</td>
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<tr>
<td>4247</td>
<td>Kalrez® Cell Orings (pkg of 4)</td>
<td>100</td>
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<tr>
<td>4248</td>
<td>Quick Release Coupler</td>
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### Model 4301-ST Isoperibol Solution Calorimeter

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<td>4325</td>
<td>Recommended Supplies Kit for 4300</td>
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<td>4331</td>
<td>Reaction Vessel</td>
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<td>4332</td>
<td>Batch Ampoule, Hastelloy-C</td>
<td>1,880</td>
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<td>4333</td>
<td>Ampoule Glass Windows (pkg of 100)</td>
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<tr>
<td>4334E</td>
<td>EP Ampoule O-rings (pkg of 10)</td>
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<td>4334K</td>
<td>Kalrez® Ampoule O-rings (pkg of 10)</td>
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<tr>
<td>4334V</td>
<td>Viton® Ampoule O-rings (pkg of 10)</td>
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<tr>
<td>4336</td>
<td>Teflon® Titrant Delivery Line</td>
<td>95</td>
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<td>4337</td>
<td>Glass Reaction Vessel Stirrer</td>
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<td>4338E</td>
<td>EP Dewar O-rings (pkg of 2)</td>
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<tr>
<td>4338K</td>
<td>Kalrez® Dewar O-rings (pkg of 2)</td>
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<td>4338V</td>
<td>Viton® Dewar O-rings (pkg of 2)</td>
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<tr>
<td>4339</td>
<td>Spring Clamp for Dewar</td>
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<tr>
<td>4340</td>
<td>Micro-Combination pH Electrode</td>
<td>340</td>
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<tr>
<td>4341</td>
<td>Replacement Thermistor</td>
<td>2</td>
</tr>
<tr>
<td>4342</td>
<td>Replacement Calibration Heater</td>
<td>7</td>
</tr>
</tbody>
</table>

### Model 4401-2ST / 4401-4ST Standard Temperature

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4432</td>
<td>Batch Addition Adapter</td>
<td>5,630</td>
</tr>
<tr>
<td>4437-1</td>
<td>Buret Syringe, 1 mL</td>
<td>105</td>
</tr>
<tr>
<td>4437-2</td>
<td>Buret Syringe, 2.5 mL</td>
<td>105</td>
</tr>
<tr>
<td>4437-5</td>
<td>Buret Syringe, 5 mL</td>
<td>105</td>
</tr>
<tr>
<td>4444</td>
<td>Adsorption Bed Cartridge</td>
<td>125</td>
</tr>
<tr>
<td>4446</td>
<td>Flexible Adsorption Cell Stirrer (pkg of 3)</td>
<td>130</td>
</tr>
<tr>
<td>4450</td>
<td>Glass Ampoule Accessory Kit</td>
<td>1,630</td>
</tr>
<tr>
<td>4451</td>
<td>Glass Ampoules Lowering Rod</td>
<td>1,110</td>
</tr>
<tr>
<td>4452</td>
<td>Glass Ampoules (pkg of 50)</td>
<td>100</td>
</tr>
<tr>
<td>4453</td>
<td>Glass Ampoule Seals with Teflon® Liners (pkg of 72)</td>
<td>120</td>
</tr>
<tr>
<td>4454</td>
<td>Glass Ampoule Metal Crimp Lids (pkg of 144)</td>
<td>40</td>
</tr>
<tr>
<td>4455</td>
<td>Glass Ampoule Tool Kit</td>
<td>315</td>
</tr>
<tr>
<td>4456</td>
<td>Ampoule Set, Hastelloy-C</td>
<td>2,450</td>
</tr>
<tr>
<td>4458</td>
<td>Battery Shunts</td>
<td>1,440</td>
</tr>
<tr>
<td>4460</td>
<td>Glove Box Accessory Kit</td>
<td>2,810</td>
</tr>
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</table>
### Model 4501 Isothermal NANO-Calorimeter

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4550</td>
<td>Glass Ampoule Accessory Kit</td>
<td>1,240</td>
</tr>
<tr>
<td>4552</td>
<td>Glass Ampoules (pkg of 100)</td>
<td>45</td>
</tr>
<tr>
<td>4553</td>
<td>Glass Ampoule Seals with Teflon® Liners (pkg of 100)</td>
<td>40</td>
</tr>
<tr>
<td>4554</td>
<td>Glass Ampoule Metal Crimp Lids (pkg of 100)</td>
<td>50</td>
</tr>
<tr>
<td>4555</td>
<td>Glass Ampoule Tool Kit</td>
<td>390</td>
</tr>
</tbody>
</table>

### Model 4601-ST, 2-Drop Calorimeter

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4642-2</td>
<td>Syringe (100 μL), with Needle (2 Drop)</td>
<td>135</td>
</tr>
<tr>
<td>4642-3</td>
<td>Syringe (250 μL), with Needle (2 Drop)</td>
<td>195</td>
</tr>
<tr>
<td>4644</td>
<td>Stirrer Bar (pkg of 2)</td>
<td>50</td>
</tr>
<tr>
<td>4645</td>
<td>Pressure Sensor Needles</td>
<td>80</td>
</tr>
<tr>
<td>4652</td>
<td>Glass Ampoules (pkg of 100)</td>
<td>35</td>
</tr>
<tr>
<td>4653</td>
<td>Metal Crimp Seal with Silicone / TFE Liner ( pkg of 100)</td>
<td>60</td>
</tr>
</tbody>
</table>

### Generic Accessories and Parts

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>4796</td>
<td>Surge Supressor (Power Strip)</td>
<td>75</td>
</tr>
<tr>
<td>4799</td>
<td>UPS (120VAC / 1600 watt)</td>
<td>910</td>
</tr>
<tr>
<td>4801</td>
<td>Needle for 100 μL Buret Syringe</td>
<td>125</td>
</tr>
<tr>
<td>4804</td>
<td>Filling Syringe Needle (12-16 Gauge)</td>
<td>35</td>
</tr>
<tr>
<td>4829</td>
<td>Needle for 250 μL Buret Syringe</td>
<td>60</td>
</tr>
</tbody>
</table>
## Rheometers

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>402010.901</td>
<td>Orchestrator Polymer Library</td>
<td>2,260</td>
</tr>
<tr>
<td>251671.002</td>
<td>Four Port Ethernet Switch for ARES-G2</td>
<td>95</td>
</tr>
<tr>
<td>402041.801</td>
<td>TRIOS Update CD</td>
<td>0</td>
</tr>
<tr>
<td>401892.901</td>
<td>ARES-G2 Force Convection Oven FCO</td>
<td>14,800</td>
</tr>
<tr>
<td>401041.901</td>
<td>ARES-G2 FCO LN2 Controller</td>
<td>10,300</td>
</tr>
<tr>
<td>400198.901</td>
<td>ARES-G2 LN2 Upgrade Kit</td>
<td>1,710</td>
</tr>
<tr>
<td>400171.901</td>
<td>ARES-G2 FCO Camera</td>
<td>5,840</td>
</tr>
<tr>
<td>401070.901</td>
<td>Heat Shield for ARES-G2 Forced Convection Oven</td>
<td>530</td>
</tr>
</tbody>
</table>

### FCO Geometry Bundles and Sample Prep Kit

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>402319.901</td>
<td>ARES FCO Melt Rheology Geometry Bundle; Includes:</td>
<td>5,160</td>
</tr>
<tr>
<td></td>
<td>Torsion Rectangular Fixture (P/N: 403220.901)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stainless Steel 25 mm parallel plates (Two of P/N: 401981.901)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stainless Steel 25 mm 0.1 rad Cone (P/N: 402317.901)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Note: Compatible with ARES Classic Instruments.</td>
<td></td>
</tr>
<tr>
<td>401035.901</td>
<td>ARES FCO Advanced Melt Rheology Add-On Geometry Bundle; Includes:</td>
<td>4,070</td>
</tr>
<tr>
<td></td>
<td>Designed for use with Melt Rheology Geometry Bundle</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stainless Steel 50 mm Parallel Plates (Two of P/N: 401981.901)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stainless Steel 50 mm Serrated Plates (Two of P/N: 401991.901)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stainless Steel 50 mm 0.04 rad Cone (P/N: 401963.901)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Note: Compatible with ARES Classic Instruments.</td>
<td></td>
</tr>
<tr>
<td>402323.901</td>
<td>ARES FCO Thermoset Testing Geometry Bundle; Includes:</td>
<td>4,430</td>
</tr>
<tr>
<td></td>
<td>Torsion Rectangular Fixture (P/N: 403250.901)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Disposable Plate Fixture (Two of P/N: 402303.901)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>One Pair 8 mm Aluminum Disposables Plates</td>
<td></td>
</tr>
<tr>
<td></td>
<td>One Pair 25 mm Alumina Disposables Plates</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Note: Additional disposables plates sold separately. Compatible with ARES Classic Instruments.</td>
<td></td>
</tr>
<tr>
<td>402331.901</td>
<td>ARES-G2 Melt Sample Preparation Kit; Includes:</td>
<td>2,090</td>
</tr>
<tr>
<td></td>
<td>8 mm, 25 mm punches and die set (or 3 mm thick)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Aluminum scraping tool for trimming sample</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Brass brush for cleaning plates</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Precision limits for sample trimming</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Polymer Pellet Melt Ring for 25 mm dia Upper Cones and Plates</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Note: Compatible with ARES Classic Instruments.</td>
<td></td>
</tr>
</tbody>
</table>
### FCO Torsion Rectangular and Cylindrical Geometries

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>403220.901</td>
<td>ARES-G2 Torsion Rectangular Clamp Set</td>
<td>2,890</td>
</tr>
<tr>
<td>403220.902</td>
<td>ARES Classic Torsion Rectangular Clamp Set</td>
<td>2,890</td>
</tr>
<tr>
<td>708.013830</td>
<td>ARES Torsion Cylindrical Clamp Set</td>
<td>2,630</td>
</tr>
</tbody>
</table>

### FCO Special Fixtures

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>403165.901</td>
<td>ARES-EVF, Extensional Viscosity Fixture</td>
<td>9,320</td>
</tr>
<tr>
<td>403074.901</td>
<td>ARES EVF Replacement Drum Pins, One Set</td>
<td>325</td>
</tr>
<tr>
<td>403076.901</td>
<td>ARES EVF Sample Mold and Plates</td>
<td>310</td>
</tr>
<tr>
<td>708.01440</td>
<td>ARES Linear Tack Testing Tool</td>
<td>1,500</td>
</tr>
<tr>
<td>708.01458</td>
<td>ARES Linear Film / Fiber Testing Tool: for use with ARES-G2 and ARES Classic Instruments configured with 2KFRT transducers.</td>
<td>1,500</td>
</tr>
<tr>
<td>708.01991</td>
<td>ARES Dynamic Film / Fiber Testing Tool</td>
<td>2,510</td>
</tr>
<tr>
<td>402334.901</td>
<td>ARES Reccesend End Ambient Couette: includes 25 mm Diameter Titanium Bob, 27 mm Diameter Stainless Cup and PRT. For ARES-G2 and ARES Classic Rheometers.</td>
<td>2,890</td>
</tr>
</tbody>
</table>

### ARES-G2 Peltier Plate Temperature Control Option

#### Peltier Plate Temperature Control System

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>401014.901</td>
<td>ARES-G2 Smart Swap Peltier Plate</td>
<td>9,850</td>
</tr>
<tr>
<td>401949.901</td>
<td>ARES-G2 Environmental Control Box</td>
<td>2,540</td>
</tr>
</tbody>
</table>

### ARES Peltier Circulators for Peltier Plate

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>700.03038.1</td>
<td>ARES Peltier Circulator (110 VAC, 60 Hz)</td>
<td>600</td>
</tr>
<tr>
<td>700.03038.2</td>
<td>ARES Peltier Circulator (230 VAC, 50 Hz)</td>
<td>600</td>
</tr>
<tr>
<td>403234.901</td>
<td>Chilling Peltier Circulator Model 612, 220V, 60Hz</td>
<td>1,770</td>
</tr>
<tr>
<td>403234.902</td>
<td>Chilling Peltier Circulator Model 612, 220V, 50Hz</td>
<td>1,770</td>
</tr>
<tr>
<td>403235.901</td>
<td>Air Cooled Circulator Model 340, 110 / 220V</td>
<td>1,800</td>
</tr>
</tbody>
</table>

Note: ARES Classic requires 2KFRT transducer.
Peltier Plate PPS Geometry Bundle

402316.901 ARES Peltier Plate PPS Geometry Bundle: 2,070
Includes Polyphenylene Sulfide (PPS) Upper Cones and Plates on Stainless Steel Shaft. Maximum Temperature = 150°C. Set includes: 25 mm and 50 mm diameter Plates, 25 mm 0.1 rad Cone, and 50 mm 0.04 rad Cone.

ARES-G2 Sealed Bath Temperature Control Option
Sealed Bath Temperature Control System

400105.901 ARES-G2 Smart Swap Sealed Bath 7,080
400160.901 ARES Classic to ARES-G2 Sealed Bath Upgrade Kit: 460
Note: Includes Smart Swap cable and new plastic cover required for upgrading ARES Classic Sealed Bath, P/N: 700.03382.8; for use on ARES-G2 Rheometer.

ARES Computer Controlled Circulators Sealed Bath

403197.901 ARES Computer Controlled Circulator, 110 VAC, 60 Hz 4,310
Note: Use for temperature control of Sealed Recirculating Bath, P/N: 401015.901.
403197.902 ARES Computer Controlled Circulator, 230 VAC, 50 Hz 4,310
Note: Use for temperature control of Sealed Recirculating Bath, P/N: 401015.901.

ARES-G2 Sealed Bath Geometry Bundles and Couettes

402328.901 ARES Sealed Bath Fluid Rheology Geometry Bundle: 5,160
For ARES-G2 and ARES Classic Rheometers. Includes: 50 mm Titanium Upper Plate and Stainless Lower Parallel Plate, Titanium Upper 50 mm 0.04 rad Cone, and recessed end Couette with 34 mm diameter and 32 mm diameter bob.

402330.901 ARES Sealed Bath Advanced Fluids Rheology Geometry Bundle: 3,890
For ARES-G2 and ARES Classic Rheometers. Includes: 35 mm diameter Titanium Upper Plate and Stainless Lower Parallel Plate, Titanium 25 mm diameter 0.04 rad Cone, and small volume recessed end Couette with 37 mm diameter stainless steel cup and 16.5 mm diameter Titanium bob.

401995.901 ARES Sealed Bath Recessed End Couette: 2,070
Includes: 32 mm dia. Titanium Bob with Recessed End and 34 mm diameter Stainless Steel Cap.

401996.901 ARES Sealed Bath Small Volume Recessed End Couette: 1,890
Includes: 16.5 mm diameter Titanium Bob w/ Recessed End and 17 mm diameter Stainless Steel Cap.

401997.901 ARES Sealed Bath Double Wall Couette: 3,250
Includes: 34 mm OD / 27.95 mm ID stainless cup; 32 mm OD / 29.5 mm ID titanium bob

708.01228 ARES Stainless Steel 18 mm Vaned Bob: for use with Sealed Bath configured with lower 34 mm Stainless Steel Cup. 1,630
700.03464 ARES Stainless Steel Double Wall Cup for Sealed Bath 2,600
### ARES Single Boxed Parallel Plate Geometries

**Stainless Steel Parallel Plate Geometries**

Note: For use with FCO (two required), Bath, and Peltier Temperature Systems.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>401985.901</td>
<td>ARES, Stainless Steel, 8 mm Parallel Plate</td>
<td>710</td>
</tr>
<tr>
<td>401981.901</td>
<td>ARES, Stainless Steel, 25 mm Parallel Plate</td>
<td>925</td>
</tr>
<tr>
<td>402302.901</td>
<td>ARES, Stainless Steel, 40 mm Parallel Plate</td>
<td>945</td>
</tr>
<tr>
<td>401968.901</td>
<td>ARES, Stainless Steel, 50 mm Parallel Plate</td>
<td>1,060</td>
</tr>
<tr>
<td>401978.901</td>
<td>ARES, Stainless Steel, Serrated 25 mm Parallel Plate</td>
<td>1,120</td>
</tr>
<tr>
<td>708.01471</td>
<td>ARES, Stainless Steel, 25 mm Lower Plate for Sealed Bath</td>
<td>945</td>
</tr>
<tr>
<td>708.01472</td>
<td>ARES, Stainless Steel, 50 mm Lower Plate for Sealed Bath</td>
<td>1,010</td>
</tr>
<tr>
<td>708.01483</td>
<td>ARES, Stainless Steel, 63 mm Lower Plate with Glass Cup and Cover for Sealed Bath</td>
<td>1,150</td>
</tr>
<tr>
<td>401647.901</td>
<td>ARES, Stainless Steel, Cross Hatched, 8 mm Plate</td>
<td>1,030</td>
</tr>
<tr>
<td>401667.901</td>
<td>ARES, Stainless Steel, Cross Hatched, 25 mm Plate</td>
<td>1,120</td>
</tr>
<tr>
<td>401687.901</td>
<td>ARES, Stainless Steel, Cross Hatched, 50 mm Plate</td>
<td>1,420</td>
</tr>
</tbody>
</table>

### Titanium Parallel Plate Geometries

Note: For use with FCO (two required), Bath, and Peltier Temperature Systems.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>402309.901</td>
<td>Titanium 25 mm Parallel Plate</td>
<td>1,240</td>
</tr>
<tr>
<td>402310.901</td>
<td>Titanium 50 mm Parallel Plate</td>
<td>1,530</td>
</tr>
</tbody>
</table>

### Polyphenylene Sulfide (PPS) Parallel Plate and Cone Geometries

Note: For use with Bath and Peltier Temperature Systems.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>402311.901</td>
<td>ARES, PPS, 25 mm Upper Plate; Max Temp = 150°C</td>
<td>530</td>
</tr>
<tr>
<td>402312.901</td>
<td>ARES, PPS, 40 mm Upper Plate; Max Temp = 150°C</td>
<td>560</td>
</tr>
<tr>
<td>402313.901</td>
<td>ARES, PPS, 50 mm Upper Plate; Max Temp = 150°C</td>
<td>590</td>
</tr>
<tr>
<td>402314.901</td>
<td>ARES, PPS, 25 mm 0.1 rad Cone; Max Temp = 150°C</td>
<td>560</td>
</tr>
<tr>
<td>402315.901</td>
<td>ARES, PPS, 50 mm 0.04 rad Cone; Max Temp = 150°C</td>
<td>620</td>
</tr>
</tbody>
</table>

### ARES Cone Geometries

**Stainless Steel Upper Cones for Force Convection Oven**

Note: For use with FCO, Bath, and Peltier Temperature Systems.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>402305.901</td>
<td>ARES, Stainless Steel, 8 mm 0.1 rad Cone (5.73 deg)</td>
<td>915</td>
</tr>
<tr>
<td>401977.901</td>
<td>ARES, Stainless Steel, 25 mm 0.02 rad Cone (1.36 deg)</td>
<td>945</td>
</tr>
<tr>
<td>401976.901</td>
<td>ARES, Stainless Steel, 25 mm 0.04 rad Cone (2.29 deg)</td>
<td>945</td>
</tr>
<tr>
<td>402317.901</td>
<td>ARES, Stainless Steel, 25 mm 0.1 rad Cone (5.73 deg)</td>
<td>945</td>
</tr>
<tr>
<td>401965.901</td>
<td>ARES, Stainless Steel, 50 mm 0.02 rad Cone (1.36 deg)</td>
<td>1,120</td>
</tr>
<tr>
<td>401963.901</td>
<td>ARES, Stainless Steel, 50 mm 0.04 rad Cone (2.29 deg)</td>
<td>1,120</td>
</tr>
</tbody>
</table>
Titanium Upper Cones for Force Convection Oven
Note: For use with FCO, Bath, and Peltier Temperature Systems.

<table>
<thead>
<tr>
<th>Code</th>
<th>Material</th>
<th>Cone Size</th>
<th>Angle</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>401975.901</td>
<td>ARES, Titanium</td>
<td>25 mm 0.04 rad</td>
<td>2.29 deg</td>
<td>1,300</td>
</tr>
<tr>
<td>401972.901</td>
<td>ARES, Titanium</td>
<td>25 mm 0.02 rad</td>
<td>1.346 deg</td>
<td>1,300</td>
</tr>
<tr>
<td>401973.901</td>
<td>ARES, Titanium</td>
<td>25 mm 0.1 rad</td>
<td>5.73 deg</td>
<td>1,590</td>
</tr>
<tr>
<td>401964.901</td>
<td>ARES, Titanium</td>
<td>50 mm 0.02 rad</td>
<td>1.346 deg</td>
<td>1,590</td>
</tr>
<tr>
<td>401962.901</td>
<td>ARES, Titanium</td>
<td>50 mm 0.04 rad</td>
<td>2.29 deg</td>
<td>1,590</td>
</tr>
</tbody>
</table>

ARES Disposable Plate Fixtures and Accessories
Stainless Steel Disposable Plate Fixture
Note: For use with FCO (two required), Bath, and Peltier Temperature Systems.

<table>
<thead>
<tr>
<th>Code</th>
<th>Material</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>402303.901</td>
<td>ARES, Stainless Steel</td>
<td>Disposable Plate Fixture</td>
<td>885</td>
</tr>
</tbody>
</table>

Note: Two required for use with FCO Temperature System.

Aluminum and Stainless Steel Disposable Plates

<table>
<thead>
<tr>
<th>Code</th>
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<th>Quantity</th>
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<tbody>
<tr>
<td>700.01794.17</td>
<td>Aluminum</td>
<td>8 mm Disposable Plates; 10 Pair (20 pieces)</td>
<td>290</td>
</tr>
<tr>
<td>700.01794.3</td>
<td>Aluminum</td>
<td>25 mm Disposable Plates; 10 Pair (20 pieces)</td>
<td>185</td>
</tr>
<tr>
<td>700.01794.4</td>
<td>Aluminum</td>
<td>40 mm Disposable Plates; 10 Pair (20 pieces)</td>
<td>275</td>
</tr>
<tr>
<td>700.01794.5</td>
<td>Aluminum</td>
<td>50 mm Disposable Plates; 10 Pair (20 pieces)</td>
<td>190</td>
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<tr>
<td>700.01794.11</td>
<td>Serrated Aluminum</td>
<td>8 mm Disposable Plates; 1 pair (2 pieces)</td>
<td>140</td>
</tr>
<tr>
<td>700.01794.6</td>
<td>Serrated Aluminum</td>
<td>25 mm Disposable Plates; 1 pair (2 pieces)</td>
<td>195</td>
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<tr>
<td>700.01794.7</td>
<td>Serrated Aluminum</td>
<td>50 mm Disposable Plates; 1 pair (2 pieces)</td>
<td>410</td>
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<tr>
<td>700.01795.9</td>
<td>Stainless Steel</td>
<td>8 mm Disposable Plates; 10 Pair (20 pieces)</td>
<td>655</td>
</tr>
<tr>
<td>700.01795.3</td>
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<td>25 mm Disposable Plates; 10 Pair (20 pieces)</td>
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<tr>
<td>700.01795.4</td>
<td>Stainless Steel</td>
<td>40 mm Disposable Plates; 10 Pair (20 pieces)</td>
<td>760</td>
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<tr>
<td>700.01795.5</td>
<td>Stainless Steel</td>
<td>50 mm Disposable Plates; 10 Pair (20 pieces)</td>
<td>820</td>
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<tr>
<td>700.01795.6</td>
<td>Serrated Stainless Steel</td>
<td>25 mm Disposable Plates; 1 pair (2 pieces)</td>
<td>325</td>
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<tr>
<td>700.02678</td>
<td>Aluminum</td>
<td>42 mm Disposable Cup, 1 piece</td>
<td>75</td>
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<tr>
<td>700.02648</td>
<td>25mm Disposable Plate Sample Mold</td>
<td>2,210</td>
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Aluminum Disposable Cones

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>700.02451.2</td>
<td>Aluminum</td>
<td>25 mm 0.02 rad Disposable Cone; 10 pieces</td>
<td>285</td>
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<tr>
<td>700.02451.1</td>
<td>Aluminum</td>
<td>25 mm 0.1 rad Disposable Cone; 10 pieces</td>
<td>285</td>
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<tr>
<td>700.02451.3</td>
<td>Aluminum</td>
<td>50 mm 0.04 rad Disposable Cone; 10 pieces</td>
<td>285</td>
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</table>
ARES Miscellaneous Fixtures and Accessories

ARES Asphalt Accessories

<table>
<thead>
<tr>
<th>Code</th>
<th>Item Description</th>
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<tbody>
<tr>
<td>700.02371.1</td>
<td>Five-Cavity Silicone Rubber Mold</td>
<td>85</td>
</tr>
<tr>
<td>700.02371.7</td>
<td>Silicone Asphalt Mold, for molding asphalt samples 8 mm in diameter x 2.2 mm deep and 25 mm in diameter x 1.2 mm deep</td>
<td>70</td>
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</table>

ARES Air and Calibration Accessories

<table>
<thead>
<tr>
<th>Code</th>
<th>Item Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>700.02657.2</td>
<td>ARES Air Dryer</td>
<td>1,710</td>
</tr>
<tr>
<td>613.06404</td>
<td>Replacement F73C Green Coalescing Filter Element for Air Dryer</td>
<td>0</td>
</tr>
<tr>
<td>613.06406</td>
<td>Replacement F73G 5 micron Filter Element for Air Dryer</td>
<td>10</td>
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<tr>
<td>700.00437.1</td>
<td>Air Table</td>
<td>7,910</td>
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<tr>
<td>700.01011</td>
<td>PDMS, 2 oz</td>
<td>75</td>
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<tr>
<td>700.01016</td>
<td>Silicone Oil, 1000 cp</td>
<td>25</td>
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<tr>
<td>400.02589</td>
<td>Steel Reference Standard</td>
<td>50</td>
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ARES Universal Testing Platform

<table>
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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>403090.001</td>
<td>SER2 Universal Testing Platform for ARES/ARES-G2 (temperature range: 0 to 290°C)</td>
<td>11,800</td>
</tr>
<tr>
<td>200974.001</td>
<td>SER2 Standard Drum Pair Set for ARES Rheometers</td>
<td>530</td>
</tr>
<tr>
<td>200975.001</td>
<td>SER2 Knurled Surface Drum Pair Set for ARES Rheometers</td>
<td>925</td>
</tr>
<tr>
<td>200976.001</td>
<td>SER2 Rough Surface Drum Pair Set for ARES Rheometers</td>
<td>925</td>
</tr>
<tr>
<td>200977.001</td>
<td>SER2 Securing Clamps for ARES Rheometers (pkg of 6)</td>
<td>195</td>
</tr>
<tr>
<td>200978.001</td>
<td>SER2 Dual Blade Cutter Assembly</td>
<td>925</td>
</tr>
<tr>
<td>200979.001</td>
<td>Razor Blades for SER2 Blade Cutter (pkg of 50)</td>
<td>55</td>
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ARES - CLASSIC ONLY
(includes ARES, ARES-LS1, ARES-LS2, ARES-RDA, ARES-RFS, and ARES-HT)

ARES Classic Rheometer

<table>
<thead>
<tr>
<th>Code</th>
<th>Item Description</th>
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<tbody>
<tr>
<td>402000.901</td>
<td>TA Orchestrator Software</td>
<td>0</td>
</tr>
<tr>
<td>402020.951</td>
<td>Waveform and Fast Sampling Option Upgrade (For ARES V5, V6, or V8)</td>
<td>3,530</td>
</tr>
<tr>
<td>700.02943.1</td>
<td>Optical Analysis Module, OAM II</td>
<td>72,200</td>
</tr>
<tr>
<td>Note: Must-Quote Optical Parallel Plate or Couette Separately. Adjustable height support required for FCO systems used with OAM II (P/N: 700.03336).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>708.01442</td>
<td>ARES Optical Parallel Plate for OAM, Includes:</td>
<td>3,760</td>
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<tr>
<td>28.1 mm upper and lower glass parallel plates.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>708.01439</td>
<td>Optical Couette Kit, Includes:</td>
<td>7,670</td>
</tr>
<tr>
<td>30 mm OD upper stainless hub and 34 mm ID stainless/glass cap; for use with OAM II; requires V5.xx.xx or higher firmware and 2K0102 transducer</td>
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<td></td>
</tr>
<tr>
<td>700.03336</td>
<td>OAM II Adjustable FCO Height Support</td>
<td>1,200</td>
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</table>
700.03188.1  Electro-Rheological Analysis Option for 2KFRT Transducers  20,000
700.03188.4  Electro-Rheological Analysis Option for 1KFRT Transducers  20,000
40307.901  ARES UV-Curing Option:  Accessory for rheological characterization of UV curable materials, UV Light Source not included.
Note: Accessory does not include UV light source. Customer must supply Exfo Novacure, or Exfo Omnicure S-2000 UV light source separately to interface with option. Necessary data acquisition rates, and light source shutter and exposure time control trigger, are only available when option used with ARES Waveform and Fast Sampling Option (P/N: 402020.951). Minimum instrument requirement: Orchestrator version 7.0, ARES firmware version 8 or 15. 9,200
40307.902  ARES UV-Curing Option:  Accessory for rheological characterization of UV curable materials. Includes Exfo Omnicure UV light source.
Note: Necessary data acquisition rates, and light source shutter and exposure time control trigger, are only available when option is used with ARES Waveform and Fast Sampling Option (P/N: 402020.951). Minimum instrument requirement: Orchestrator version 7.0, ARES firmware version 8 or 15. 22,500

ARES HV and Photo-Curing Accessories

403153.001  Upper 20 mm Quartz Plate for ARES-UV Option  220
Note: For use with ARES-UV Curing Option and Photo-curing Option upper plate fixture.

403171.002  Lower 20 mm Stainless Steel Plate for ARES-UV Option  35
Note: For use with ARES-UV Curing and Photo-curing Option upper quartz plate and fixture.

403064.901  Package of 10 disposable 20 mm diameter acrylic plates for use with ARES-UV Curing Option and Photo-curing Option upper plate fixture.
Note: Not for use with standard disposable plate fixture. 200

403065.901  Package of 10 disposable 20 mm diameter aluminum plates for ARES disposable plate fixture.
Note: For use with ARES-UV Curing and Photo-curing Option upper quartz plate and fixture. 200

200400.001  Replacement 5 mm diameter light guide for ARES UV-Curing and Photo-Curing Options  890

ARES DETA: Dielectric Thermal Analysis Options

NOTE: Agilent E4980A-001 LCR Meter is the model provided with DETA options including a bridge. Customers must supply this bridge if purchasing option without bridge included.

700.02903  ARES Dielectric Thermal Analysis Option, Includes Bridge, 120 VAC, 60 Hz  21,400
Note: Includes Agilent E4980A-001 LCR Meter and 25 mm Parallel Plates.

700.02903.1  ARES Dielectric Thermal Analysis Tooling, Bridge Not Included, 120 VAC, 60 Hz  8,020
Note: Includes 25 mm Parallel Plates & Interface for customer supplied Agilent E4980A-001 Bridge.

700.02903.3  ARES Dielectric Thermal Analysis Tooling, Bridge Not Included, 220 VAC, 50 Hz  8,020
Note: Includes 25 mm Parallel Plates & Interface for customer supplied Agilent E4980A-001 Bridge.

ARES FCO Temperature Control Option

700.03382.6  ARES Classic FCO Liquid Nitrogen Controller Option  10,300
403164.901  ARES Classic and RSA III Mechanical Chiller Panel and Interface  5,790
Note: Requires Customer Supplied Chiller.
### AR Rheology

#### AR Series Software

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>595120.909</td>
<td>Software Advantage Navigator</td>
<td>1,140</td>
</tr>
<tr>
<td>595120.910</td>
<td>Enhanced Polymer Library for Advantage</td>
<td>2,260</td>
</tr>
<tr>
<td>595196.901</td>
<td>Software GCR/CSA II Script</td>
<td>1,370</td>
</tr>
<tr>
<td>595100.901</td>
<td>Software Rheology Solutions Archive</td>
<td>745</td>
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<tr>
<td>595120.601</td>
<td>Rheology Advantage Upgrade from Rheology Solutions</td>
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#### Installation and Peltier Kits

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>595001.901</td>
<td>AR Rheometer Installation Kit for US</td>
<td>575</td>
</tr>
<tr>
<td>595002.901</td>
<td>AR Rheometer Peltier Cooling Kit for US</td>
<td>225</td>
</tr>
<tr>
<td>595010.901</td>
<td>AR Rheometer Installation Kit for UK</td>
<td>635</td>
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<tr>
<td>575015.901</td>
<td>Air Cooled Circulator Model AWC100, 230V, 50Hz UK</td>
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#### Peltier Plate Temperature Options

<table>
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<tbody>
<tr>
<td>531051.901</td>
<td>AR Series Smart Swap Peltier Plate</td>
<td>2,600</td>
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<tr>
<td>531052.901</td>
<td>AR Series Stepped Peltier Plate with Screwed Assembly</td>
<td>2,470</td>
</tr>
<tr>
<td>531053.901</td>
<td>AR Series Smart Swap Disposable Stepped Peltier Plate</td>
<td>2,470</td>
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<tr>
<td>547910.901</td>
<td>AR Series Peltier Plate Immersion Cell</td>
<td>1,350</td>
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**Note:** Include on all systems quotations.
<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>547902.901</td>
<td>AR Series Peltier Plate Camera Viewer Option</td>
<td>585</td>
</tr>
<tr>
<td></td>
<td>Note: Camera viewer is NOT compatible with AR2000 model.</td>
<td></td>
</tr>
<tr>
<td>547901.901</td>
<td>AR Series Peltier Plate Camera Viewer Mounting Kit</td>
<td>295</td>
</tr>
<tr>
<td></td>
<td>Note: Camera viewer is NOT compatible with AR2000 model. Customer must supply USB Web camera.</td>
<td></td>
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</tbody>
</table>

### AR-G2 Custom and Standard Geometry Adapters

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>532006.901</td>
<td>ARXXX to AR-G2 Geometry Adapter Kit</td>
<td>390</td>
</tr>
<tr>
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<td>Note: For use only with standard Peltier Plate geometries.</td>
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</tr>
<tr>
<td>545904.901</td>
<td>AR-G2 Custom Geometry Adapter</td>
<td>830</td>
</tr>
<tr>
<td>545905.901</td>
<td>AR Rheometer Custom Geometry Adapter</td>
<td>725</td>
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### Stainless Steel Peltier Cone Geometries with No Solvent Trap (NST)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>511204.902</td>
<td>Stainless Steel, 20 mm, 1 deg Cone, NST</td>
<td>590</td>
</tr>
<tr>
<td>511206.902</td>
<td>Stainless Steel, 20 mm, 2 deg Cone, NST</td>
<td>590</td>
</tr>
<tr>
<td>511207.902</td>
<td>Stainless Steel, 20 mm, 4 deg Cone, NST</td>
<td>590</td>
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<tr>
<td></td>
<td>Note: Following Smart Swap geometries for use with AR-G2 only.</td>
<td></td>
</tr>
<tr>
<td>511204.906</td>
<td>AR-G2, Stainless Steel, 20 mm, 1 deg Cone, NST</td>
<td>755</td>
</tr>
<tr>
<td>511206.906</td>
<td>AR-G2, Stainless Steel, 20 mm, 2 deg Cone, NST</td>
<td>755</td>
</tr>
<tr>
<td>511207.906</td>
<td>AR-G2, Stainless Steel, 20 mm, 4 deg Cone, NST</td>
<td>755</td>
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</table>

### Stainless Steel Peltier Plate Geometries with No Solvent Trap (NST)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>510100.902</td>
<td>Stainless Steel, 8 mm Plate, NST</td>
<td>590</td>
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<tr>
<td>511200.902</td>
<td>Stainless Steel, 20 mm Plate, NST</td>
<td>590</td>
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<tr>
<td>51250.902</td>
<td>Stainless Steel, 25 mm Plate, NST</td>
<td>590</td>
</tr>
<tr>
<td>517000.902</td>
<td>Stainless Steel, Cross Hatched, 8 mm Plate, NST</td>
<td>1,060</td>
</tr>
<tr>
<td>517200.902</td>
<td>Stainless Steel, Cross Hatched, 20 mm Plate, NST</td>
<td>1,140</td>
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<tr>
<td></td>
<td>Note: Following Smart Swap geometries for use with AR-G2 only.</td>
<td></td>
</tr>
<tr>
<td>511200.906</td>
<td>AR-G2, Stainless Steel, 8 mm Plate, NST</td>
<td>660</td>
</tr>
<tr>
<td>511290.906</td>
<td>AR-G2, Stainless Steel, 12 mm Plate, NST</td>
<td>660</td>
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<tr>
<td>512200.906</td>
<td>AR-G2, Stainless Steel, 20 mm Plate, NST</td>
<td>660</td>
</tr>
<tr>
<td>512500.906</td>
<td>AR-G2, Stainless Steel, 25 mm Plate, NST</td>
<td>660</td>
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<tr>
<td>517000.906</td>
<td>AR-G2, Stainless Steel, Cross Hatched, 8 mm Plate, NST</td>
<td>1,120</td>
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<tr>
<td>517200.906</td>
<td>AR-G2, Stainless Steel, Cross Hatched, 20 mm Plate, NST</td>
<td>1,230</td>
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</table>
### Stainless Steel Peltier Cone Geometries with Solvent Trap

Note: Upper Cones for Use with Lower Peltier Plate.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Angle</th>
<th>Diameter</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>512603.901</td>
<td>Stainless Steel, 20 mm, 0.5 deg Cone</td>
<td>615</td>
<td></td>
<td></td>
</tr>
<tr>
<td>512604.901</td>
<td>Stainless Steel, 20 mm, 1 deg Cone</td>
<td>615</td>
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</tr>
<tr>
<td>512606.901</td>
<td>Stainless Steel, 20 mm, 2 deg Cone</td>
<td>615</td>
<td></td>
<td></td>
</tr>
<tr>
<td>512607.901</td>
<td>Stainless Steel, 20 mm, 4 deg Cone</td>
<td>615</td>
<td></td>
<td></td>
</tr>
<tr>
<td>514603.901</td>
<td>Stainless Steel, 40 mm, 0.5 deg Cone</td>
<td>635</td>
<td></td>
<td></td>
</tr>
<tr>
<td>514604.901</td>
<td>Stainless Steel, 40 mm, 1 deg Cone</td>
<td>635</td>
<td></td>
<td></td>
</tr>
<tr>
<td>514606.901</td>
<td>Stainless Steel, 40 mm, 2 deg Cone</td>
<td>635</td>
<td></td>
<td></td>
</tr>
<tr>
<td>514607.901</td>
<td>Stainless Steel, 40 mm, 4 deg Cone</td>
<td>635</td>
<td></td>
<td></td>
</tr>
<tr>
<td>516603.901</td>
<td>Stainless Steel, 60 mm, 0.5 deg Cone</td>
<td>655</td>
<td></td>
<td></td>
</tr>
<tr>
<td>516604.901</td>
<td>Stainless Steel, 60 mm, 1 deg Cone</td>
<td>655</td>
<td></td>
<td></td>
</tr>
<tr>
<td>516606.901</td>
<td>Stainless Steel, 60 mm, 2 deg Cone</td>
<td>655</td>
<td></td>
<td></td>
</tr>
<tr>
<td>516607.901</td>
<td>Stainless Steel, 60 mm, 4 deg Cone</td>
<td>655</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Following Smart Swap geometries for use with AR-G2 only.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Angle</th>
<th>Diameter</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>512603.905</td>
<td>AR-G2, Stainless Steel, 20 mm, 0.5 deg Cone</td>
<td>820</td>
<td></td>
<td></td>
</tr>
<tr>
<td>512604.905</td>
<td>AR-G2, Stainless Steel, 20 mm, 1 deg Cone</td>
<td>820</td>
<td></td>
<td></td>
</tr>
<tr>
<td>512606.905</td>
<td>AR-G2, Stainless Steel, 20 mm, 2 deg Cone</td>
<td>820</td>
<td></td>
<td></td>
</tr>
<tr>
<td>512607.905</td>
<td>AR-G2, Stainless Steel, 20 mm, 4 deg Cone</td>
<td>820</td>
<td></td>
<td></td>
</tr>
<tr>
<td>514603.905</td>
<td>AR-G2, Stainless Steel, 40 mm, 0.5 deg Cone</td>
<td>820</td>
<td></td>
<td></td>
</tr>
<tr>
<td>514604.905</td>
<td>AR-G2, Stainless Steel, 40 mm, 1 deg Cone</td>
<td>820</td>
<td></td>
<td></td>
</tr>
<tr>
<td>514606.905</td>
<td>AR-G2, Stainless Steel, 40 mm, 2 deg Cone</td>
<td>820</td>
<td></td>
<td></td>
</tr>
<tr>
<td>514607.905</td>
<td>AR-G2, Stainless Steel, 40 mm, 4 deg Cone</td>
<td>820</td>
<td></td>
<td></td>
</tr>
<tr>
<td>516603.905</td>
<td>AR-G2, Stainless Steel, 60 mm, 0.5 deg Cone</td>
<td>855</td>
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<td></td>
</tr>
<tr>
<td>516604.905</td>
<td>AR-G2, Stainless Steel, 60 mm, 1 deg Cone</td>
<td>855</td>
<td></td>
<td></td>
</tr>
<tr>
<td>516606.905</td>
<td>AR-G2, Stainless Steel, 60 mm, 2 deg Cone</td>
<td>855</td>
<td></td>
<td></td>
</tr>
<tr>
<td>516607.905</td>
<td>AR-G2, Stainless Steel, 60 mm, 4 deg Cone</td>
<td>855</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Stainless Steel Peltier Plate Geometries with Solvent Trap

Note: Upper Plates for Use with Lower Peltier Plate.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Diameter</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>512600.901</td>
<td>Stainless Steel, 20 mm Plate</td>
<td>615</td>
<td></td>
</tr>
<tr>
<td>514600.901</td>
<td>Stainless Steel, 40 mm Plate</td>
<td>635</td>
<td></td>
</tr>
<tr>
<td>516600.901</td>
<td>Stainless Steel, 60 mm Plate</td>
<td>655</td>
<td></td>
</tr>
<tr>
<td>517600.903</td>
<td>Stainless Steel, Cross Hatched, 20 mm Plate</td>
<td>1,190</td>
<td></td>
</tr>
<tr>
<td>517600.901</td>
<td>Stainless Steel, Cross Hatched, 40 mm Plate</td>
<td>1,280</td>
<td></td>
</tr>
<tr>
<td>519600.901</td>
<td>Stainless Steel, Sandblasted, 40 mm Plate</td>
<td>435</td>
<td></td>
</tr>
<tr>
<td>519600.901</td>
<td>Stainless Steel, Sandblasted, 60 mm Plate</td>
<td>435</td>
<td></td>
</tr>
</tbody>
</table>

39
### Stainless Steel Peltier Cone Geometries with Composite Heat Break

*Note: Upper Cones for Use with Lower Peltier Plate.*

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>512206.902</td>
<td>Stainless Steel, Composite HB: 20 mm, 2 deg Cone, NST</td>
<td>930</td>
</tr>
<tr>
<td>512206.901</td>
<td>Stainless Steel, Composite HB: 20 mm, 2 deg Cone</td>
<td>930</td>
</tr>
<tr>
<td>512207.902</td>
<td>Stainless Steel, Composite HB: 20 mm, 4 deg Cone, NST</td>
<td>795</td>
</tr>
<tr>
<td>512207.901</td>
<td>Stainless Steel, Composite HB: 20 mm, 4 deg Cone</td>
<td>795</td>
</tr>
<tr>
<td>512406.901</td>
<td>Stainless Steel, Composite HB: 40 mm, 2 deg Cone</td>
<td>940</td>
</tr>
<tr>
<td>512407.901</td>
<td>Stainless Steel, Composite HB: 40 mm, 4 deg Cone</td>
<td>940</td>
</tr>
<tr>
<td>512606.901</td>
<td>Stainless Steel, Composite HB: 60 mm, 2 deg Cone</td>
<td>995</td>
</tr>
<tr>
<td>512607.901</td>
<td>Stainless Steel, Composite HB: 60 mm, 4 deg Cone</td>
<td>995</td>
</tr>
</tbody>
</table>

*Note: Following Smart Swap geometries for use with AR-G2 only.*

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>512206.906</td>
<td>AR-G2, Stainless Steel, Composite HB: 20 mm, 2 deg Cone, NST</td>
<td>1,090</td>
</tr>
<tr>
<td>512206.905</td>
<td>AR-G2, Stainless Steel, Composite HB: 20 mm, 2 deg Cone</td>
<td>1,090</td>
</tr>
<tr>
<td>512406.905</td>
<td>AR-G2, Stainless Steel, Composite HB: 40 mm, 2 deg Cone</td>
<td>1,130</td>
</tr>
<tr>
<td>512407.905</td>
<td>AR-G2, Stainless Steel, Composite HB: 40 mm, 4 deg Cone</td>
<td>1,130</td>
</tr>
<tr>
<td>512606.905</td>
<td>AR-G2, Stainless Steel, Composite HB: 60 mm, 2 deg Cone</td>
<td>1,200</td>
</tr>
<tr>
<td>512607.905</td>
<td>AR-G2, Stainless Steel, Composite HB: 60 mm, 4 deg Cone</td>
<td>1,200</td>
</tr>
</tbody>
</table>

### Stainless Steel Peltier Plate Geometries with Composite Heat Break

*Note: Upper Plates for Use with Lower Peltier Plate.*

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>512000.902</td>
<td>Stainless Steel, Composite HB: 8 mm, NST</td>
<td>920</td>
</tr>
<tr>
<td>512200.902</td>
<td>Stainless Steel, Composite HB: 20 mm, NST</td>
<td>930</td>
</tr>
<tr>
<td>512200.901</td>
<td>Stainless Steel, Composite HB: 20 mm</td>
<td>930</td>
</tr>
<tr>
<td>512250.902</td>
<td>Stainless Steel, Composite HB: 25 mm, NST</td>
<td>920</td>
</tr>
<tr>
<td>512400.901</td>
<td>Stainless Steel, Composite HB: 40 mm</td>
<td>940</td>
</tr>
<tr>
<td>512600.901</td>
<td>Stainless Steel, Composite HB: 60 mm</td>
<td>995</td>
</tr>
</tbody>
</table>
### Titanium Peltier Plate Geometries with Solvent Trap

Note: Upper Plates for Use with Lower Peltier Plate.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>520400.901</td>
<td>40 mm Plate</td>
<td>1,560</td>
</tr>
<tr>
<td>520600.901</td>
<td>60 mm Plate</td>
<td>1,660</td>
</tr>
<tr>
<td>520404.901</td>
<td>40 mm, 1 deg Cone</td>
<td>1,350</td>
</tr>
<tr>
<td>520406.901</td>
<td>40 mm, 2 deg Cone</td>
<td>1,350</td>
</tr>
<tr>
<td>520407.901</td>
<td>40 mm, 4 deg Cone</td>
<td>1,350</td>
</tr>
<tr>
<td>520604.901</td>
<td>60 mm, 1 deg Cone</td>
<td>1,240</td>
</tr>
<tr>
<td>520606.901</td>
<td>60 mm, 2 deg Cone</td>
<td>1,240</td>
</tr>
<tr>
<td>520607.901</td>
<td>60 mm, 4 deg Cone</td>
<td>1,240</td>
</tr>
</tbody>
</table>

### Acrylic Peltier Plate Geometries with NO Solvent Trap (NST)

Note: Upper Plates for Use with Lower Peltier Plate, Max Use Temp = 40°C.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>516204.902</td>
<td>Acrylic, 20 mm, 1 deg Cone</td>
<td>445</td>
</tr>
<tr>
<td>516206.902</td>
<td>Acrylic, 20 mm, 2 deg Cone</td>
<td>445</td>
</tr>
<tr>
<td>516207.902</td>
<td>Acrylic, 20 mm, 4 deg Cone</td>
<td>445</td>
</tr>
</tbody>
</table>

### Acrylic Peltier Plate Geometries with NO Solvent Trap (NST)

Note: Upper Plates for Use with Lower Peltier Plate, Max Use Temp = 40°C.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>516200.902</td>
<td>Acrylic, 20 mm Plate</td>
<td>445</td>
</tr>
</tbody>
</table>
### Acrylic Peltier Cone Geometries with Solvent Trap

Note: Upper Cones for Use with Lower Peltier Plate. Max Use Temp = 40°C.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>516204.901</td>
<td>Acrylic, 20 mm, 1 deg Cone</td>
<td>630</td>
</tr>
<tr>
<td>516206.901</td>
<td>Acrylic, 20 mm, 2 deg Cone</td>
<td>655</td>
</tr>
<tr>
<td>516207.901</td>
<td>Acrylic, 20 mm, 4 deg Cone</td>
<td>675</td>
</tr>
<tr>
<td>516404.901</td>
<td>Acrylic, 40 mm, 1 deg Cone</td>
<td>635</td>
</tr>
<tr>
<td>516406.901</td>
<td>Acrylic, 40 mm, 2 deg Cone</td>
<td>655</td>
</tr>
<tr>
<td>516407.901</td>
<td>Acrylic, 40 mm, 4 deg Cone</td>
<td>675</td>
</tr>
<tr>
<td>516604.901</td>
<td>Acrylic, 60 mm, 1 deg Cone</td>
<td>675</td>
</tr>
<tr>
<td>516606.901</td>
<td>Acrylic, 60 mm, 2 deg Cone</td>
<td>675</td>
</tr>
<tr>
<td>516607.901</td>
<td>Acrylic, 60 mm, 4 deg Cone</td>
<td>675</td>
</tr>
</tbody>
</table>

### Acrylic Peltier Plate Geometries with Solvent Trap

Note: Upper Plates for Use with Lower Peltier Plate. Max Use Temp = 40°C.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>516200.901</td>
<td>Acrylic, 20 mm Plate</td>
<td>630</td>
</tr>
<tr>
<td>516400.901</td>
<td>Acrylic, 40 mm Plate</td>
<td>655</td>
</tr>
<tr>
<td>516600.901</td>
<td>Acrylic, 60 mm Plate</td>
<td>675</td>
</tr>
<tr>
<td>518200.901</td>
<td>Cross Hatched, Acrylic, 20 mm Plate</td>
<td>1,390</td>
</tr>
<tr>
<td>518400.901</td>
<td>Cross Hatched, Acrylic, 40 mm Plate</td>
<td>1,400</td>
</tr>
</tbody>
</table>

### Hard Anodized Aluminum (HA AL) Peltier Cone Geometries with Solvent Trap

Note: Upper Cones for Use with Lower Peltier Plate.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>513204.901</td>
<td>HA AL, 20 mm, 1 deg Cone, M5</td>
<td>760</td>
</tr>
<tr>
<td>513204.901</td>
<td>HA AL, 20 mm, 1 deg Cone, NST</td>
<td>920</td>
</tr>
<tr>
<td>513206.901</td>
<td>HA AL, 20 mm, 2 deg Cone, M5</td>
<td>760</td>
</tr>
<tr>
<td>513206.901</td>
<td>HA AL, 20 mm, 2 deg Cone, NST</td>
<td>920</td>
</tr>
<tr>
<td>513207.901</td>
<td>HA AL, 20 mm, 4 deg Cone, M5</td>
<td>760</td>
</tr>
<tr>
<td>513207.901</td>
<td>HA AL, 20 mm, 4 deg Cone, NST</td>
<td>920</td>
</tr>
<tr>
<td>513401.901</td>
<td>HA AL, 40 mm, 1 deg Cone</td>
<td>960</td>
</tr>
<tr>
<td>513401.901</td>
<td>HA AL, 40 mm, 2 deg Cone</td>
<td>960</td>
</tr>
<tr>
<td>513401.901</td>
<td>HA AL, 40 mm, 4 deg Cone</td>
<td>960</td>
</tr>
<tr>
<td>513601.901</td>
<td>HA AL, 60 mm, 1 deg Cone</td>
<td>985</td>
</tr>
<tr>
<td>513601.901</td>
<td>HA AL, 60 mm, 2 deg Cone</td>
<td>985</td>
</tr>
<tr>
<td>513601.901</td>
<td>HA AL, 60 mm, 4 deg Cone</td>
<td>985</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>Quantity</td>
</tr>
<tr>
<td>---------------</td>
<td>--------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>513200.905</td>
<td>AR-G2, HA Aluminum, 20 mm Plate</td>
<td>1,030</td>
</tr>
<tr>
<td>513400.905</td>
<td>AR-G2, HA Aluminum, 40 mm Plate</td>
<td>1,030</td>
</tr>
<tr>
<td>513600.905</td>
<td>AR-G2, HA Aluminum, 60 mm Plate</td>
<td>1,070</td>
</tr>
</tbody>
</table>

**Hard Anodized Aluminum (HA AL) Peltier Plate Geometries with Solvent Trap**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>513200.901</td>
<td>HA AL 20 mm Plate</td>
<td>920</td>
</tr>
<tr>
<td>513400.901</td>
<td>HA AL 40 mm Plate</td>
<td>960</td>
</tr>
<tr>
<td>513600.901</td>
<td>HA AL 60 mm Plate</td>
<td>985</td>
</tr>
</tbody>
</table>

**Solvent Trap, Purge Gas, Thermal, and Lower Plate Covers for Peltier Plate**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>529613.901</td>
<td>Hard Anodized Split Solvent Trap Cover and Location Ring</td>
<td>790</td>
</tr>
<tr>
<td>529612.901</td>
<td>Peltier Plate Purge Gas Cover and Location Ring</td>
<td>1,300</td>
</tr>
<tr>
<td>529736.901</td>
<td>25 mm Plate Insulating Thermal Cover for Peltier Plate</td>
<td>1,820</td>
</tr>
<tr>
<td>545941.901</td>
<td>Peltier Plate Draft Shield</td>
<td>320</td>
</tr>
<tr>
<td>570131.901</td>
<td>HA-AL Cover Plate Cross Hatched 60 mm</td>
<td>1,480</td>
</tr>
<tr>
<td>517060.901</td>
<td>Stainless Steel Cover Plate Cross Hatched 60 mm</td>
<td>2,260</td>
</tr>
<tr>
<td>545430.901</td>
<td>Stainless Steel Peltier Plate Cover</td>
<td>725</td>
</tr>
<tr>
<td>545431.901</td>
<td>Stainless Steel Peltier Plate Cover, 20 mm Raised Center</td>
<td>795</td>
</tr>
<tr>
<td>545433.901</td>
<td>Stainless Steel Peltier Plate Cover, 60 mm Raised Center</td>
<td>845</td>
</tr>
<tr>
<td>545435.901</td>
<td>Titanium Peltier Plate Cover, 40 mm Raised Center</td>
<td>1,460</td>
</tr>
</tbody>
</table>
**AR Rheometer Concentric Cylinders, Geometries, and Accessories**

NOTE: HA AL = hard anodized Aluminum; SST = Stainless Steel.

### Peltier Concentric Cylinder Jacket for AR-G2 and AR2000

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>545611.901</td>
<td>AR Series Smart Swap Concentric Cylinder Peltier Jacket</td>
<td>3,100</td>
</tr>
<tr>
<td></td>
<td>Note: Does not include cup and rotor.</td>
<td></td>
</tr>
</tbody>
</table>

### AR-G2 Peltier Concentric Cylinder Temperature Systems

NOTE: AR-G2 Concentric Cylinder Systems include Peltier Jacket and cup and rotor for measurements.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>546001.901</td>
<td>AR-G2 Peltier Concentric Cylinder Conical DIN System</td>
<td>5,870</td>
</tr>
<tr>
<td></td>
<td>Note: Max Temperature = 150°C. Includes HA AL Cup and Rotor. Rotor rad = 14 mm, Rotor Height = 42 mm, Cap rad = 15 mm, Sample Volume = 19.6 ml.</td>
<td></td>
</tr>
<tr>
<td>546002.901</td>
<td>AR-G2 Peltier Concentric Cylinder Recessed End Bob System</td>
<td>5,870</td>
</tr>
<tr>
<td></td>
<td>Note: Includes HA AL Cup and Rotor.</td>
<td></td>
</tr>
<tr>
<td>546004.901</td>
<td>AR-G2 Peltier Concentric Cylinder Yoked Rotor System</td>
<td>5,870</td>
</tr>
<tr>
<td></td>
<td>Note: Includes SST Yoked Rotor and HA AL Cup.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rotor rad = 14 mm, Rotor Height = 42 mm, Cap rad = 15 mm, Sample Volume = 28.72 ml.</td>
<td></td>
</tr>
<tr>
<td>546005.901</td>
<td>AR-G2 Peltier Concentric Cylinder Double Gap System</td>
<td>5,870</td>
</tr>
<tr>
<td></td>
<td>Note: Includes HA AL Cup and Rotor.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rotor Inner rad = 14 mm, Outer rad = 17.5 mm, Bater Height = 53 mm, Cup Inner rad = 15.1 mm, Outer rad = 18.5 mm.</td>
<td></td>
</tr>
</tbody>
</table>

### AR2000 and AR1500 Peltier Concentric Cylinder Temperature Systems

NOTE: AR2000 Concentric Cylinder Systems include Peltier Jacket and cup and rotor for measurements.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>545601.901</td>
<td>AR2000ex and AR1500ex Peltier Concentric Cylinder Conical DIN System</td>
<td>5,690</td>
</tr>
<tr>
<td></td>
<td>Note: Includes HA AL Cup and Rotor.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rotor rad = 14 mm, Rotor Height = 42 mm, Cap rad = 15 mm, Sample Volume = 19.6 ml.</td>
<td></td>
</tr>
<tr>
<td>545602.901</td>
<td>AR2000ex and AR1500ex Peltier Concentric Cylinder Recessed End Bob System</td>
<td>5,690</td>
</tr>
<tr>
<td></td>
<td>Note: Includes HA AL Cup and Rotor.</td>
<td></td>
</tr>
<tr>
<td>545604.901</td>
<td>AR2000ex and AR1500ex Peltier Concentric Cylinder Yoked Rotor System</td>
<td>5,690</td>
</tr>
<tr>
<td></td>
<td>Note: Includes SST Yoked Rotor and HA AL Cup.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rotor rad = 14 mm, Rotor Height = 42 mm, Cap rad = 15 mm, Sample Volume = 28.72 ml.</td>
<td></td>
</tr>
<tr>
<td>545605.901</td>
<td>AR2000ex and AR1500ex Peltier Concentric Cylinder Double Gap System</td>
<td>5,690</td>
</tr>
<tr>
<td></td>
<td>Note: Includes HA AL Cup and Rotor.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rotor Inner rad = 14 mm, Outer rad = 17.5 mm, Bater Height = 53 mm, Cup Inner rad = 15.1 mm, Outer rad = 18.5 mm.</td>
<td></td>
</tr>
</tbody>
</table>
**AR1000 / AR550 Concentric Cylinder Temperature Systems, Circulator Temperature Control**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>545002.901</td>
<td>AR1000 / AR550 Concentric Cylinder Fluid Jacket</td>
<td>1,560</td>
</tr>
<tr>
<td>545006.901</td>
<td>AR1000 / AR550 Concentric Cylinder Conical DIN System</td>
<td>3,880</td>
</tr>
<tr>
<td>545007.901</td>
<td>AR1000 / AR550 Concentric Cylinder Recessed End Hub System</td>
<td>3,880</td>
</tr>
<tr>
<td>545008.901</td>
<td>AR1000 / AR550 Concentric Cylinder Vaned Rotor System</td>
<td>3,880</td>
</tr>
<tr>
<td>545009.901</td>
<td>AR1000 / AR550 Concentric Cylinder Double Gap System</td>
<td>3,880</td>
</tr>
</tbody>
</table>

**AR-G2 Smart Swap Rotors for Concentric Cylinders**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>546011.901</td>
<td>AR-G2 HA Aluminum Conical DIN Rotor, rad = 14 mm, height = 42 mm</td>
<td>1,260</td>
</tr>
<tr>
<td>546012.901</td>
<td>AR-G2 HA Stainless Steel Conical DIN Rotor, rad = 14 mm, height = 42 mm</td>
<td>1,260</td>
</tr>
<tr>
<td>546017.901</td>
<td>AR-G2 Stainless Steel Recessed End Rotor, rad = 14 mm, height = 42 mm</td>
<td>1,130</td>
</tr>
<tr>
<td>546026.901</td>
<td>AR-G2 Stainless Steel Vaned Rotor, rad = 14 mm, height = 42 mm</td>
<td>1,130</td>
</tr>
<tr>
<td>546027.901</td>
<td>AR-G2 Wide Gap Vaned Rotor with Heat Break, rad = 7.5 mm, height = 38 mm</td>
<td>1,710</td>
</tr>
<tr>
<td>546040.901</td>
<td>AR-G2 HA Aluminum Double Gap Rotor, Inner rad = 16 mm, Outer rad = 17.5 mm, H = 53 mm</td>
<td>1,260</td>
</tr>
<tr>
<td>546021.901</td>
<td>AR-G2 Ver 1 HA Aluminum Double Gap Rotor, Inner rad = 20 mm, Outer rad = 22.38, H = 59.5 mm</td>
<td>1,030</td>
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<tr>
<td>546022.901</td>
<td>AR-G2 Ver 1 Stainless Steel Double Gap Rotor, Inner rad = 20 mm, Outer rad = 22.38, H = 59.5 mm</td>
<td>1,030</td>
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<tr>
<td>546041.901</td>
<td>AR-G2 Stainless Steel Double Gap Rotor, Inner rad = 20 mm, Outer rad = 22.38 mm, height = 59.5 mm</td>
<td>1,260</td>
</tr>
</tbody>
</table>

**AR2000, AR1XXX, and AR5XX Rotors for Concentric Cylinders**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>545012.001</td>
<td>HA Aluminum Conical DIN Rotor, rad = 14 mm, height = 42 mm</td>
<td>1,200</td>
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<tr>
<td>545013.001</td>
<td>HA Aluminum Recessed End Rotor, rad = 14 mm, height = 42 mm</td>
<td>1,200</td>
</tr>
<tr>
<td>545026.001</td>
<td>Stainless Steel, Conical DIN Rotor, rad = 14 mm, height = 42 mm</td>
<td>1,300</td>
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<tr>
<td>545027.001</td>
<td>Stainless Steel, Recessed End Rotor, rad = 14 mm, height = 42 mm</td>
<td>1,300</td>
</tr>
<tr>
<td>545025.001</td>
<td>Stainless Steel, Vaned Rotor, rad = 14 mm, height = 42 mm</td>
<td>1,300</td>
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<tr>
<td>545028.001</td>
<td>Wide Gap Vaned Rotor with Heat Break, rad = 7.5 mm, height = 38 mm</td>
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<tr>
<td>545642.001</td>
<td>HA Aluminum Double Gap Rotor, Inner rad = 16 mm, Outer rad = 17.5 mm, height = 53 mm</td>
<td>860</td>
</tr>
<tr>
<td>545031.001</td>
<td>Ver 1 HA Aluminum Double Gap Rotor, Inner rad = 20.38 mm, Outer rad = 21.96, height = 59.5 mm</td>
<td>860</td>
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<tr>
<td>545035.001</td>
<td>Ver 1 Stainless Steel, Double Gap Rotor, Inner rad = 20.38 mm, Outer rad = 21.96, height = 59.5 mm</td>
<td>890</td>
</tr>
<tr>
<td>545660.001</td>
<td>Stainless Steel, Double Gap Rotor, Inner rad = 20.38 mm, Outer rad = 21.96 mm, height = 59.5 mm</td>
<td>1,260</td>
</tr>
</tbody>
</table>
AR-G2/AR2000/AR1500 Peltier Concentric Cylinder Cups

- 545622.001 HA Aluminum, Standard Concentric Cylinder Cup (rad = 15 mm) for AR-Series Peltier Jacket $1,350
- 546630.001 Stainless Steel, Standard Concentric Cylinder Cup (rad = 15 mm) for AR-Series Peltier Jacket $1,770
- 546650.901 HA AL Double Gap Concentric Cylinder Cup (Inner rad = 15.1 mm) for AR-Series Peltier Jacket $1,280
- 546670.901 Ver 1 HA AL Double Gap Concentric Cylinder Cup (Inner rad = 20 mm, Outer rad = 22.38 mm) for AR-Series Peltier Jacket $1,280
- 546639.001 HA AL Double Gap Concentric Cylinder Cup (Inner rad = 15.1 mm, Outer rad = 22.38 mm) for AR-Series Peltier Jacket $1,280
- 546630.901 Stainless Steel, Standard Concentric Cylinder Cup (rad = 20 mm, Outer rad = 22.38 mm) for AR-Series Peltier Jacket $1,340
- 546645.901 Stainless Steel Double Gap Concentric Cylinder Cup (Inner rad = 20 mm, Outer rad = 22.38 mm) for AR-Series Peltier Jacket $1,360
- 546661.901 HA AL Large diameter Concentric Cylinder Cup (rad = 22 mm) for AR-Series Peltier Jacket $850
- 546662.901 Stainless Steel Blank Plug for AR-Series Peltier Jacket Double Gap Cup $515
- 546669.901 HA AL Grooved Concentric Cylinder Cup for AR-Series Peltier Jacket $2,570
- 546666.001 HA AL Starch Rotor Concentric Cylinder Cup (rad = 18.5 mm) for AR-Series Peltier Jacket $1,250
- 546669.901 Peltier Concentric Cylinder Solvent Trap $585

Note: Not for use with Double Wall Concentric Cylinder system.

AR1000 / AR550 Concentric Cylinder Cups and Jacket Adapters

- 545032.001 AR1000 / AR550 Double Gap Fluid Jacket Cup Adapter $685
- 545034.901 AR1000 / AR550 Double Gap Concentric Cylinder Cup, Inner rad = 20 mm $1,200
- 545044.901 AR1000 / AR550 Fluid Jacket Cup Adapter $685
- 545043.901 AR1000 / AR550 Standard Concentric Cylinder Cup, rad = 15 mm $1,150
- 545001.901 AR1000 / AR550 Concentric Cylinder PT100 $810

Circulators (Computer Controlled)

- 500020.901 Computer Controlled Circulator, Model FP35HE [US] $4,600
  For use with CSA II and AR1000 / AR550 Concentric Cylinders.
- 575004.901 Computer Controlled Circulator, Model FP35HE [UK] $4,430
  For use with CSA II and AR1000 / AR550 Concentric Cylinders.

UHP Upper Heated Plates, EHP Electrically Heated Plates, Geometries, and Accessories

UHP and Dry Asphalt Systems

- 545803.901 AR-G2 Upper Heated Plate System (for use with Peltier Plate) $4,700
- 545804.901 Dry Asphalt system for AR-G2 $6,080
- 545815.901 AR-G2 Upper Heated Plate Smart Swap Geometry Shaft and Heat Spreader $920
545801.901 AR2000 / AR1500 Upper Heated Plate System (for use with Peltier Plate) 4,540
Note: AR2000 Instruments with serial numbers prior to 4F... will require UHP Mounting Kit and Installation, P/N: 545805.901, at an additional cost of $2,300.00 (price includes installation by TA Service Engineer). Option requires Rheology Advantage v5.1 (P/N: 595120.801). AR2000 Rheometers with serial numbers 403046 and below, require calibration cable P/N: 552025.901, sold separately.

545802.901 AR2000 / AR1500 Dry Asphalt system 5,530
Note: AR2000 Instruments with serial numbers prior to 4F... will require UHP Mounting Kit and Installation, P/N: 545805.901, at an additional cost of $2,300.00 (price includes installation by TA Service Engineer). Option requires Rheology Advantage v5.1 (P/N: 595120.801). AR2000 Rheometers with serial numbers 403046 and below, require calibration cable P/N: 552025.901, sold separately.

545808.901 AR-Series UHP and Dry Asphalt Low Temperature Cooling Option 450
Note: This cooling option is required when cooling with fluid circulator below temperatures of 5°C. Customer must supply fluid circulator.

545807.901 AR-Series UHP and Dry Asphalt Standard Cooling Option 645
Note: This cooling option is required when cooling with fluid circulator above temperatures of 5°C. Customer must supply fluid circulator.

545809.901 AR-Series UHP and Dry Asphalt Vortex Cooler 955
Note: Requires Low Temperature Cooling Option P/N: 545808.901.

545805.901 AR2000 (ONLY) UHP / EHP / Dry Asphalt Mounting Kit and Installation 1,430

545810.901 AR2000 / AR1500 UHP Upper Disposable Plate Holder 980
Note: Plates sold separately, see ETC Disposable Plates section.

545811.901 AR-G2 Smart Swap UHP Upper Disposable Plate Holder 1,040
Note: Not compatible with UTS.

552025.001 AR2000 ONLY Temperature Calibration Cable 30

545804.901 AR-Series Combined UHP and Peltier Manifold 1,120
Note: For use over temperature range of 5 to 90°C. Requires chilling circulator with water circulation fluid controlled at 2°C. TA provided chilling circulator P/N: 403234.901 (120V) or P/N: 403234.902 (220V).

EHP Electrically Heated Plate Kits

546101.901 AR-G2 Electrically Heated Plate System 7,850
Note: Max Temperature = 400°C. Includes 25 mm stainless steel plates.

546102.901 AR-G2 Electrically Heated Disposable Plate System 7,200
Note: Max Temperature = 400°C. Includes five sets of 25 mm drip channel disposable plates.

546106.901 AR-G2 Add-On Disposable Plate Accessory for EHP 3,190
Note: Includes parts necessary to convert Electrically Heated Plate System, P/N: 546101.901, for disposable plate use. Includes five sets of 25 mm drip channel disposable plates.

546104.901 AR2000/ex and AR1500ex Electrically Heated Plate System 7,200
Note: Max Temperature = 400°C. Includes 25 mm stainless steel plates. AR2000 Instruments with serial numbers prior to 4F... will require UHP Mounting Kit and Installation, P/N: 545805.901, at an additional cost of $2,300.00 (price includes installation by TA Service Engineer). Option requires Rheology Advantage v5.1 (P/N: 595120.801).
546105.901 AR2000/ex and AR1500ex Electrically Heated Disposable Plate System 7,200
Note: Max Temperature = 400°C. Includes five sets of 25 mm drip channel disposable plates. AR2000 Instruments with serial numbers prior to 4F…. will require UHP Mounting Kit and Installation, P/N: 546085.901, at an additional cost of $2,300.00 (price includes installation by TA Service Engineer). Option requires Rheology Advantage v5.1 (P/N: 595130.801).

546107.901 AR2000/ex and AR1500ex Add-On Disposable Plate Accessory for EHP 3,190
Note: Includes parts necessary to convert Electrically Heated Plate System, P/N: 546104.901, for disposable plate use. Includes five sets of drip channel disposable plates.

546109.901 EHP Glass Purge Cover Max Use Temp = 300°C 930

546127.901 EHP GCA KIT (cooling down to -70°C) 775

991400.902 Gas Cooling Accessory for Q800 and AR-Series EHP 6,550

546153.901 AR EHP-GCA Transformer 220/240V to 110/120V (ROW) 370

546152.901 AR EHP-GCA Transformer 220/240V to 110/120V (UK ONLY) 340

**AR-G2 EHP and UHP Stainless Steel Smart Swap Upper (Upper Temp Sensor) UTS Geometries**

Note: UTS upper Smart Swap Geometries are for use with UTS Draw Rod and lower screw in Plates. UTS and UTS geometries are required for patented Active Temperature Control of upper plate. This feature is available only with TA Instruments AR-G2 EHP and UHP Temperature Systems.

<table>
<thead>
<tr>
<th>P/N</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>546202.901</td>
<td>AR-G2, Stainless Steel, 8 mm Upper UTS Plate (use with P/N: 546240.001)</td>
<td>1,140</td>
</tr>
<tr>
<td>546220.901</td>
<td>AR-G2, Stainless Steel, 20 mm Upper UTS Plate (use with P/N: 546261.001)</td>
<td>1,140</td>
</tr>
<tr>
<td>546203.901</td>
<td>AR-G2, Stainless Steel, 25 mm Upper UTS Plate (use with P/N: 546241.001)</td>
<td>1,140</td>
</tr>
<tr>
<td>546204.901</td>
<td>AR-G2, Stainless Steel, 40 mm Upper UTS Plate (use with P/N: 546262.001)</td>
<td>1,140</td>
</tr>
<tr>
<td>546210.901</td>
<td>AR-G2, Stainless Steel, 25 mm 0.1 Rad Upper UTS Cone (use with P/N: 546241.001)</td>
<td>1,140</td>
</tr>
<tr>
<td>546218.901</td>
<td>AR-G2, Stainless Steel, 25 mm 0.04 Rad Upper UTS Cone (use with P/N: 546264.001)</td>
<td>1,140</td>
</tr>
<tr>
<td>546216.901</td>
<td>AR-G2, Stainless Steel, 25 mm 0.02 Rad Upper UTS Cone (use with P/N: 546264.001)</td>
<td>1,140</td>
</tr>
<tr>
<td>546215.901</td>
<td>AR-G2, Stainless Steel, 25 mm 0.01 Rad Upper UTS Cone (use with P/N: 546264.001)</td>
<td>1,140</td>
</tr>
<tr>
<td>546214.901</td>
<td>AR-G2, Stainless Steel, 40 mm 0.1 Rad Upper UTS Cone (use with P/N: 546262.001)</td>
<td>1,140</td>
</tr>
<tr>
<td>546232.901</td>
<td>AR-G2, Stainless Steel, 40 mm 0.04 Rad Upper UTS Cone (use with P/N: 546264.001)</td>
<td>1,140</td>
</tr>
<tr>
<td>546231.901</td>
<td>AR-G2, Stainless Steel, 40 mm 0.02 Rad Upper UTS Cone (use with P/N: 546264.001)</td>
<td>1,140</td>
</tr>
<tr>
<td>546230.901</td>
<td>AR-G2, Stainless Steel, 40 mm 0.01 Rad Upper UTS Cone (use with P/N: 546264.001)</td>
<td>1,140</td>
</tr>
<tr>
<td>546213.901</td>
<td>AR-G2, Stainless Steel, 40 mm 0.00 Rad Upper UTS Cone (use with P/N: 546264.001)</td>
<td>1,140</td>
</tr>
</tbody>
</table>

546041.901 AR-G2, Upper Temperature Sensor Draw Rod 915
Note: For use with EHP and UHP temperature systems. Requires UTS geometries. UTS dowelled cones standard with EHP temperature system ONLY.
Electrically Heated Plate, Upper Heated Plate, and Dry Asphalt System Screw-in Plates

NOTES: Screw-in Parallel Plates for use with following Systems: 1) AR-G2 EHP: Lower Plate only, 2) AR2000/1500ex EHP upper and lower, 3) AR-G2,AR2000 and AR1500ex UHP with Std. Pellet Plate: Upper plate only, and 4) AR-G2, AR2000/ex and AR1500ex Dry Asphalt System: For upper and lower use (two of these parts are required to replace both upper and lower). These plates are constructed with flats and are used with flat plate removal wrench.

- 546240.001 Stainless Steel, 25 mm Screw-in Parallel Plates for EHP, UHP, and Dry Asphalt
- 546261.001 Stainless Steel, 20 mm Screw-in Parallel Plates for EHP, UHP, and Dry Asphalt
- 546242.001 Stainless Steel, 40 mm Screw-in Parallel Plates for EHP, UHP, and Dry Asphalt
- 546260.001 Stainless Steel, 8 mm Screw-in Parallel Plates for EHP, UHP, and Dry Asphalt
- 546259.001 Stainless Steel, 8 mm Cross Hatched Screw-in Parallel Plates for EHP, UHP, and Dry Asphalt
- 546236.001 Stainless Steel, 40 mm Cross Hatched Screw-in Parallel Plates for EHP, UHP, and Dry Asphalt
- 546264.001 Stainless Steel, 25 mm, 0.1 rad, Screw-in Cone for AR2000/ex, AR1500ex EHP, and UHP
- 546264.001 Stainless Steel, 25 mm, 0.04 rad, Screw-in Cone for AR2000/ex, AR1500ex EHP, and UHP
- 546264.001 Stainless Steel, 25 mm, 0.02 rad, Screw-in Cone for AR2000/ex, AR1500ex EHP, and UHP
- 546264.001 Stainless Steel, 25 mm, 1 deg, Screw-in Cone for AR2000/ex, AR1500ex EHP, and UHP
- 546264.001 Stainless Steel, 25 mm, 2 deg, Screw-in Cone for AR2000/ex, AR1500ex EHP, and UHP
- 546264.001 Stainless Steel, 25 mm, 4 deg, Screw-in Cone for AR2000/ex, AR1500ex EHP, and UHP
- 546254.001 Stainless Steel, 40 mm, 0.1 rad, Screw-in Cone for AR2000/ex, AR1500ex EHP, and UHP
- 546254.001 Stainless Steel, 40 mm, 0.04 rad, Screw-in Cone for AR2000/ex, AR1500ex EHP, and UHP
- 546254.001 Stainless Steel, 40 mm, 0.02 rad, Screw-in Cone for AR2000/ex, AR1500ex EHP, and UHP
- 546254.001 Stainless Steel, 40 mm, 1 deg, Screw-in Cone for AR2000/ex, AR1500ex EHP, and UHP
- 546254.001 Stainless Steel, 40 mm, 2 deg, Screw-in Cone for AR2000/ex, AR1500ex EHP, and UHP
- 546254.001 Stainless Steel, 40 mm, 4 deg, Screw-in Cone for AR2000/ex, AR1500ex EHP, and UHP

ETC Environmental Test Chamber, Kits, Geometries, and Gas Manifolds

ETC system requires the chamber and one or more Accessory Kits. The flow meter kit, P/N: 543311.901, is required if cooling accessory is not specified.

ETC Environmental Test Chambers

- 543401.901 AR-G2 and AR2000ex Environmental Test Chamber 6,370
  Note: Maximum Temperature = 600°C
- 543501.901 AR-G2 and AR2000ex ETC Oven Camera Viewer Option 4,770
### AR-G2 ETC Kits

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>543407.901</td>
<td>AR-G2 ETC Torsion Clamp Accessory Kit</td>
<td>3,890</td>
</tr>
<tr>
<td>543408.901</td>
<td>AR-G2 ETC Disposable Parallel Plate Accessory Kit</td>
<td>3,280</td>
</tr>
<tr>
<td>543406.901</td>
<td>AR-G2 ETC Parallel Plate Accessory Kit</td>
<td>2,740</td>
</tr>
<tr>
<td>543409.901</td>
<td>AR-G2 ETC Pressure Sensitive Adhesives Accessory Kit</td>
<td>3,220</td>
</tr>
<tr>
<td>543410.901</td>
<td>AR-G2 ETC Asphalt Parallel Plate Accessory Kit</td>
<td>2,770</td>
</tr>
</tbody>
</table>

Note: Includes clamps for rectangular solid samples. Maximum Sample Size: l = 50 mm, w = 13 mm, t = 5 mm.

### AR-G2 ETC Stainless Steel Smart Swap Upper Single Piece Geometries

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>543601.901</td>
<td>AR-G2, Stainless Steel, 8 mm Upper ETC Plate (use with P/N: 527080.904)</td>
<td>615</td>
</tr>
<tr>
<td>543606.901</td>
<td>AR-G2, Stainless Steel, 25 mm Upper ETC Plate (use with P/N: 527250.904)</td>
<td>615</td>
</tr>
<tr>
<td>543611.901</td>
<td>AR-G2, Stainless Steel, 40 mm Upper ETC Plate (use with P/N: 527400.903)</td>
<td>615</td>
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<tr>
<td>543641.901</td>
<td>AR-G2, Stainless Steel, 25 mm Cross Hatched ETC Plate (use with P/N: 527750.906)</td>
<td>1,090</td>
</tr>
<tr>
<td>543641.901</td>
<td>AR-G2, Stainless Steel, 25 mm, 0.1 rad, ETC Cone (use with P/N: 527250.904)</td>
<td>820</td>
</tr>
<tr>
<td>543651.901</td>
<td>AR-G2, Stainless Steel, 25 mm, 0.04 rad, ETC Cone (use with P/N: 527250.904)</td>
<td>820</td>
</tr>
<tr>
<td>543661.901</td>
<td>AR-G2, Stainless Steel, 25 mm, 2 deg, ETC Cone (use with P/N: 527250.904)</td>
<td>820</td>
</tr>
<tr>
<td>543662.901</td>
<td>AR-G2, Stainless Steel, 25 mm, 4 deg, ETC Cone (use with P/N: 527250.904)</td>
<td>820</td>
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<tr>
<td>543671.901</td>
<td>AR-G2, Stainless Steel, 40 mm, 2 deg, ETC Cone (use with P/N: 527400.903)</td>
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<tr>
<td>543672.901</td>
<td>AR-G2, Stainless Steel, 40 mm, 4 deg, ETC Cone (use with P/N: 527400.903)</td>
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<tr>
<td>543681.901</td>
<td>AR-G2, Stainless Steel, Upper ETC Smart Swap Torsion Geometry</td>
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### AR2000 ETC Kits

<table>
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<tr>
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<th>Description</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>543307.901</td>
<td>AR2000 ETC Torsion Clamp Accessory Kit</td>
<td>3,860</td>
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<tr>
<td>543708.901</td>
<td>AR2000 ETC Disposable Parallel Plate Accessory Kit</td>
<td>3,270</td>
</tr>
<tr>
<td>543706.901</td>
<td>AR2000 ETC Parallel Plate Accessory Kit</td>
<td>2,710</td>
</tr>
<tr>
<td>543709.901</td>
<td>AR2000 ETC Pressure Sensitive Adhesives Accessory Kit</td>
<td>3,190</td>
</tr>
<tr>
<td>543710.901</td>
<td>AR2000 ETC Asphalt Parallel Plate Accessory Kit</td>
<td>2,740</td>
</tr>
</tbody>
</table>

Note: Includes clamps for rectangular solid samples. Maximum Sample Size: l = 50 mm, w = 13 mm, t = 5 mm.
### AR2000 ETC Stainless Steel Upper Single Piece Geometries

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>543336.001</td>
<td>AR2000, Stainless Steel, 8 mm Upper ETC Plate (use with P/N: 527080.904)</td>
<td>490</td>
</tr>
<tr>
<td>543330.001</td>
<td>AR2000, Stainless Steel, 25 mm Upper ETC Plate (use with P/N: 527250.904)</td>
<td>490</td>
</tr>
<tr>
<td>543331.001</td>
<td>AR2000, Stainless Steel, 40 mm Upper ETC Plate (use with P/N: 527400.903)</td>
<td>490</td>
</tr>
<tr>
<td>543337.001</td>
<td>AR2000, Stainless Steel, 25 mm Cross Hatched ETC Plate (use with P/N: 527250.906)</td>
<td>980</td>
</tr>
<tr>
<td>543338.001</td>
<td>AR2000, Stainless Steel, 40 mm Cross Hatched ETC Plate (use with P/N: 527400.905)</td>
<td>980</td>
</tr>
<tr>
<td>543351.001</td>
<td>AR2000, Stainless Steel, 25 mm, 0.1 rad, ETC Cone (use with P/N: 527250.904)</td>
<td>585</td>
</tr>
<tr>
<td>543352.001</td>
<td>AR2000, Stainless Steel, 25 mm, 0.04 rad, ETC Cone (use with P/N: 527250.904)</td>
<td>585</td>
</tr>
<tr>
<td>543361.001</td>
<td>AR2000, Stainless Steel, 25 mm, 2 deg, ETC Cone (use with P/N: 527250.904)</td>
<td>585</td>
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<tr>
<td>543362.001</td>
<td>AR2000, Stainless Steel, 25 mm, 4 deg, ETC Cone (use with P/N: 527250.904)</td>
<td>585</td>
</tr>
<tr>
<td>543371.001</td>
<td>AR2000, Stainless Steel, 40 mm, 2 deg, ETC Cone (use with P/N: 527400.903)</td>
<td>645</td>
</tr>
<tr>
<td>543372.001</td>
<td>AR2000, Stainless Steel, 40 mm, 4 deg, ETC Cone (use with P/N: 527400.903)</td>
<td>645</td>
</tr>
<tr>
<td>543339.901</td>
<td>AR2000, Upper Torsion Shaft 780</td>
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</tbody>
</table>

### Stainless Steel Stepped (lower) and Non-Stepped (upper) Screw-in ETC Plates


<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>527080.904</td>
<td>SST, 8 mm Stepped Lower ETC Plate (use with single piece upper shaft / geometries, or use two of this part number if using upper screwed shaft)</td>
<td>75</td>
</tr>
<tr>
<td>527250.903</td>
<td>SST, 25 mm Non-Stepped Upper ETC Plate (use with lower screw-in plate P/N: 527250.904)</td>
<td>75</td>
</tr>
<tr>
<td>527250.904</td>
<td>SST, 25 mm Stepped Lower ETC Plate (use with single piece upper shaft / geometries, or use with upper screw-in plate P/N: 527250.903 and upper screwed shaft)</td>
<td>75</td>
</tr>
<tr>
<td>527400.903</td>
<td>SST, 40 mm ETC Plate, Use for upper and lower (use with single piece upper shaft / geometries, or use with upper screw-in plate P/N: 527250.903 if using upper screwed shaft)</td>
<td>75</td>
</tr>
<tr>
<td>527725.906</td>
<td>SST, Cross Hatched, 25 mm Non-Stepped Upper ETC Plate (use with lower screw-in plate P/N: 527250.906)</td>
<td>180</td>
</tr>
<tr>
<td>527250.906</td>
<td>SST, Cross Hatched, 25 mm Stepped Lower ETC Plate (use with single piece upper shaft / geometries, or use with upper screw-in plate P/N: 527400.903 if using upper screwed shaft)</td>
<td>180</td>
</tr>
<tr>
<td>527400.905</td>
<td>SST, Cross Hatched 40 mm ETC Plate, Use for upper and lower (use with single piece upper shaft / geometries, or use two of this part number if using upper screwed shaft)</td>
<td>180</td>
</tr>
</tbody>
</table>

### Hard Anodized Aluminum Stepped (lower) and Non-Stepped (upper) ETC Plates

Note: For use with upper ETC shaft (AR2000 P/N: 543339.901, AR1000/550 P/N: 543112.901 and/or lower ETC fixture.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>526080.904</td>
<td>HA Aluminum, 8 mm Stepped Lower ETC Plate (2 required)</td>
<td>45</td>
</tr>
<tr>
<td>526250.903</td>
<td>HA Aluminum, 25 mm Non-Stepped Upper ETC Plate (use with P/N: 526250.904)</td>
<td>35</td>
</tr>
<tr>
<td>526250.904</td>
<td>HA Aluminum, 25 mm Stepped Lower ETC Plate (use with P/N: 526250.903)</td>
<td>55</td>
</tr>
<tr>
<td>526400.903</td>
<td>HA Aluminum, 40 mm ETC Plate, Use for upper and lower (2 required)</td>
<td>45</td>
</tr>
</tbody>
</table>
### AR1000 / 550 ETC Kits

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>543014.901</td>
<td>AR1000 / 550 ETC Torsion Clamp Accessory Kit</td>
<td>4,100</td>
</tr>
<tr>
<td>543016.901</td>
<td>AR1000 / 550 ETC Disposable Parallel Plate Accessory Kit</td>
<td>2,270</td>
</tr>
<tr>
<td>543015.901</td>
<td>AR1000 / 550 ETC Parallel Plate Accessory Kit</td>
<td>2,270</td>
</tr>
</tbody>
</table>

### Aluminum Disposable Plates for ETC / EHP / UHP and Disposable Stepped Peltier

Note: For use with upper ETC shaft (AR2000 P/N: 543334.901, AR1000/550 P/N: 5433) or ETM upper shaft.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>543334.901</td>
<td>AR2000/ex and AR1500, Upper Disposable Plate Shaft</td>
<td>425</td>
</tr>
<tr>
<td>523250.927</td>
<td>Aluminum 25 mm ETC Disposable Plates, (pkg of 100)</td>
<td>560</td>
</tr>
<tr>
<td>523400.927</td>
<td>Aluminum 40 mm ETC Disposable Plates, (pkg of 100)</td>
<td>560</td>
</tr>
<tr>
<td>523250.928</td>
<td>Aluminum 25 mm ETC Disposable Plates with Drip Channel, (pkg of 100)</td>
<td>720</td>
</tr>
<tr>
<td>533200.917</td>
<td>Aluminum, 20 mm Disposable Plates, Ten Sets (20 pcs)</td>
<td>155</td>
</tr>
<tr>
<td>533250.937</td>
<td>Aluminum, 25 mm Disposable Plates, Ten Sets (20 pcs)</td>
<td>155</td>
</tr>
<tr>
<td>533400.937</td>
<td>Aluminum, 40 mm Disposable Plates, Ten Sets (20 pcs)</td>
<td>155</td>
</tr>
<tr>
<td>533250.938</td>
<td>Aluminum, 25 mm Disposable Drip Channel Plates, Ten Sets (20 pcs)</td>
<td>170</td>
</tr>
</tbody>
</table>

### ETC / EHP Accessories

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>543097.911</td>
<td>ETC Melt Rings for 25 mm Lower Stepped ETC Plate, (pkg of 50)</td>
<td>240</td>
</tr>
<tr>
<td>578904.001</td>
<td>Brass Scraper for cleaning plates</td>
<td>45</td>
</tr>
<tr>
<td>578905.001</td>
<td>Brass brush for cleaning plates</td>
<td>9</td>
</tr>
</tbody>
</table>

### ETC Flow Meter and Low Temp Kits for AR-G2 / AR2000 / AR1000 / AR550

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>543311.901</td>
<td>AR-Series ETC Flow Meter Kit</td>
<td>230</td>
</tr>
<tr>
<td>543313.901</td>
<td>AR-Series Low Temperature Fittings with LN2 Dewar</td>
<td>6,020</td>
</tr>
<tr>
<td>543312.901</td>
<td>AR-Series Low Temperature Fittings without LN2 Dewar</td>
<td>2,260</td>
</tr>
</tbody>
</table>

### AR-Series ETM / ETC Plates and Cones

### Aluminum Stepped Upper Cone Geometry for ETM (Compatible with ETC)

Note: For use with upper ETC shaft (AR2000 P/N: 543334.901, AR1000/550 P/N: 5433). For correct operation cones require a matched plate. (e.g., 523400.903 4cm 2 deg cone requires 523206.904 4cm 2 deg cone.)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>523206.904</td>
<td>Aluminum, 20 mm, 2 deg Cone for ETC and ETM</td>
<td>95</td>
</tr>
<tr>
<td>523207.904</td>
<td>Aluminum, 20 mm, 4 deg Cone for ETC and ETM</td>
<td>95</td>
</tr>
<tr>
<td>526252.903</td>
<td>Aluminum, 25 mm, 0.5 deg Cone for ETC and ETM</td>
<td>105</td>
</tr>
<tr>
<td>526254.903</td>
<td>Aluminum, 25 mm, 1 deg Cone for ETC and ETM</td>
<td>105</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>Price</td>
</tr>
<tr>
<td>-------------</td>
<td>---------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>526256.903</td>
<td>Aluminum, 25 mm, 2 deg Cone for ETC and ETM</td>
<td>105</td>
</tr>
<tr>
<td>526257.903</td>
<td>Aluminum, 25 mm, 4 deg Cone for ETC and ETM</td>
<td>105</td>
</tr>
<tr>
<td>523406.903</td>
<td>Aluminum, 40 mm, 2 deg Cone for ETC and ETM</td>
<td>95</td>
</tr>
<tr>
<td>523407.903</td>
<td>Aluminum, 40 mm, 4 deg Cone for ETC and ETM</td>
<td>95</td>
</tr>
<tr>
<td>523408.901</td>
<td>Aluminum, 40 mm, 5.6 deg Cone for ETC and ETM</td>
<td>120</td>
</tr>
</tbody>
</table>

**Aluminum Stepped Plates Cone Geometry for ETM (Compatible with ETC)**

Note: ETM stepped plates are compatible with ETC. However, they are NOT anodized and are only available in stepped version.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>523200.904</td>
<td>Aluminum, 20 mm ETM Plate, Stepped (compatible with ETC)</td>
<td>55</td>
</tr>
<tr>
<td>523250.904</td>
<td>Aluminum, 25 mm ETM Plate, Stepped (compatible with ETC)</td>
<td>65</td>
</tr>
<tr>
<td>523400.903</td>
<td>Aluminum, 40 mm ETM Plate, Stepped (compatible with ETC)</td>
<td>50</td>
</tr>
</tbody>
</table>

**AR-Series Specialty Geometries and Accessories**

**AR-Series Torsion Immersion**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>545606.901</td>
<td>AR-Series Smart Swap Torsion Immersion System</td>
<td>6,490</td>
</tr>
<tr>
<td>545618.901</td>
<td>AR-Series Smart Swap Torsion Immersion Kit</td>
<td>4,030</td>
</tr>
</tbody>
</table>

Note: Requires Peltier Fluid Jacket P/N: 545611.901.

**AR-Series Smart Swap Base**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>531056.901</td>
<td>Blank Smart Swap Base</td>
<td>790</td>
</tr>
</tbody>
</table>

**AR-G2/AR2000 Pressure Cell**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>547001.901</td>
<td>AR-G2 / AR2000 Pressure Cell</td>
<td>12,000</td>
</tr>
</tbody>
</table>

Note: Requires Smart Swap Peltier Concentric Cylinder Jacket P/N: 545611.901.

**AR-Series Smart Swap Starch Pasting Cell and Replacement Parts**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>545702.901</td>
<td>AR-G2 Starch Pasting Cell</td>
<td>5,210</td>
</tr>
<tr>
<td>545712.901</td>
<td>AR-G2, Replacement Rotor for Starch Pasting Cell</td>
<td>990</td>
</tr>
<tr>
<td>545713.901</td>
<td>AR-G2, HA-AL Conical Rotor for Starch Pasting Cell</td>
<td>1,230</td>
</tr>
<tr>
<td>545701.901</td>
<td>AR2000/ex and AR1500 Starch Pasting Cell</td>
<td>5,110</td>
</tr>
<tr>
<td>545721.001</td>
<td>Replacement Cup for Starch Pasting Cell</td>
<td>190</td>
</tr>
<tr>
<td>545751.001</td>
<td>Replacement Rotor for Starch Pasting Cell, AR2000/ex and AR1500</td>
<td>790</td>
</tr>
<tr>
<td>545761.001</td>
<td>HA-AL Conical Rotor for Starch Pasting Cell, AR2000/ex and AR1500</td>
<td>1,090</td>
</tr>
</tbody>
</table>
### AR UV-Curing Option

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>546301.901</td>
<td>AR Series UV Light Guide Assy without UV Light Source</td>
<td>8,970</td>
</tr>
<tr>
<td>546302.901</td>
<td>AR Series 365 nm LED UV Curing Accessory</td>
<td>7,290</td>
</tr>
<tr>
<td>546304.901</td>
<td>AR Series 455 nm LED Blue Light Curing Accessory</td>
<td>7,380</td>
</tr>
<tr>
<td>546303.901</td>
<td>AR Series UV Light Guide Assy with UV Light Source</td>
<td>17,600</td>
</tr>
<tr>
<td>546304.901</td>
<td>UV Curing Accessory Plate Rubber Ring Plate Guards</td>
<td>60</td>
</tr>
<tr>
<td>546379.901</td>
<td>AR2000ex, SST Disposable Plate Shaft for UV Accessories</td>
<td>465</td>
</tr>
<tr>
<td>546320.901</td>
<td>AR-G2, SST Smart Swap Disposable Plate Shaft for UV Accessories</td>
<td>545</td>
</tr>
<tr>
<td>403153.001</td>
<td>20 mm Quartz Plate for ARES and AR-UV Option</td>
<td>220</td>
</tr>
</tbody>
</table>

Note: For use with the upper plate fixture of ARES-UV option, and the lower plate fixture of AR-UV option.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>403604.901</td>
<td>Package of 10 disposable 20 mm diameter acrylic plates</td>
<td>200</td>
</tr>
</tbody>
</table>

Note: For use with the upper plate fixture of ARES-UV option, and the lower plate fixture of AR-UV option.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>200400.001</td>
<td>Replacement 5 mm diameter light guide for ARES and AR-UV Options</td>
<td>890</td>
</tr>
<tr>
<td>403170.001</td>
<td>Replacement remote radiometer/dosimeter for ARES and AR-UV Options</td>
<td>475</td>
</tr>
</tbody>
</table>

### AR-Series Smart Swap Interfacial Rheology Systems and Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>545903.901</td>
<td>AR-G2 Smart Swap Interfacial Bicone Accessory</td>
<td>2,020</td>
</tr>
<tr>
<td>545902.901</td>
<td>Dynamic Du Nouy Ring Interfacial Rheology System for AR-G2</td>
<td>2,540</td>
</tr>
<tr>
<td>530021.001</td>
<td>PtIR du Nouy Ring Geometry for Dynamic Interfacial System</td>
<td>600</td>
</tr>
<tr>
<td>545901.901</td>
<td>Interfacial Viscosity Bicone System for AR2000</td>
<td>1,950</td>
</tr>
</tbody>
</table>

Note: Includes 80 mm diameter Teflon®, 68 mm diameter and 10° angle stainless steel bicone geometry, and cover.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>545922.001</td>
<td>Bicone Cup, 80 mm Diameter Teflon®, Interfacial Cup for AR2000 and AR-G2</td>
<td>405</td>
</tr>
<tr>
<td>354891.001</td>
<td>Bicone Geometry, Stainless Steel, 68 mm Diameter 10 deg</td>
<td>545</td>
</tr>
<tr>
<td>578155.001</td>
<td>Sample Vessel 70 mm diameter (glass-cup)</td>
<td>30</td>
</tr>
</tbody>
</table>

### AR Series Smart Swap Asphalt Submersion Cell

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>554003.901</td>
<td>AR Series Smart Swap Asphalt Submersion Cell</td>
<td>4,030</td>
</tr>
</tbody>
</table>

### Quartz Geometries

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>524400.902</td>
<td>Quartz, 40 mm Parallel Plate, AR2000, AR1000, and AR550 Only</td>
<td>1,040</td>
</tr>
</tbody>
</table>

### Ambient Disposable Plate System

Note: Clip on system for AR1000 and AR550 Peltier Plate; temperature is NOT controlled by the Peltier Plate.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>545990.901</td>
<td>Upper Ambient Disposable Plate Shaft</td>
<td>810</td>
</tr>
<tr>
<td>545991.901</td>
<td>Lower Ambient Disposable Plate Holder</td>
<td>920</td>
</tr>
<tr>
<td>545999.901</td>
<td>Set of Ambient 40 mm Diameter Disposable Plates</td>
<td>85</td>
</tr>
<tr>
<td>545300.901</td>
<td>Disposable Plate K/7 20 mm</td>
<td>105</td>
</tr>
</tbody>
</table>
### Lower Cross Hatch Peltier Plate Covers, For Ambient Use Only

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>517040.901</td>
<td>40 mm Cross Hatched Clip-on Peltier Plate Cover, Ambient Use Only</td>
<td>1,920</td>
</tr>
<tr>
<td>517060.901</td>
<td>60 mm Cross Hatched Clip-on Peltier Plate Cover, Ambient Use Only</td>
<td>2,260</td>
</tr>
</tbody>
</table>

### Air Supply Accessories From US (AR Series and CSL)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>250000.001</td>
<td>Filter / Regulator</td>
<td>630</td>
</tr>
<tr>
<td>250000.002</td>
<td>0.01 micron replacement filter element (for use with P/N: 250000.001)</td>
<td>75</td>
</tr>
<tr>
<td>250000.003</td>
<td>5 micron replacement filter element (for use with P/N: 250000.001)</td>
<td>25</td>
</tr>
<tr>
<td>500030.901</td>
<td>Membrane Compressed Air Dryer</td>
<td>795</td>
</tr>
</tbody>
</table>

### Air Supply Accessories From UK (AR Series and CSL)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>545415.901</td>
<td>Filter / Regulator</td>
<td>700</td>
</tr>
<tr>
<td>545420.901</td>
<td>Replacement Oil Filter Element, Red (for use with P/N: 545415.901)</td>
<td>205</td>
</tr>
<tr>
<td>545421.901</td>
<td>Replacement 25 Micron White Filter Element (for use with P/N: 545415.901)</td>
<td>15</td>
</tr>
<tr>
<td>500030.901</td>
<td>Membrane Compressed Air Dryer</td>
<td>795</td>
</tr>
<tr>
<td>575005.901</td>
<td>Air Compressor with Dryer, Oil-Free</td>
<td>4,450</td>
</tr>
</tbody>
</table>

### AR-G2 and AR2000ex SALS Accessory

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>546401.901</td>
<td>AR Series SALS Accessory</td>
<td>14,700</td>
</tr>
<tr>
<td>546418.901</td>
<td>Quartz 50 mm Plate</td>
<td>1,060</td>
</tr>
<tr>
<td>546417.901</td>
<td>AR-G2 Quartz 50 mm Plate</td>
<td>1,120</td>
</tr>
<tr>
<td>546484.001</td>
<td>SALS Polyethylene Alignment Material</td>
<td>295</td>
</tr>
<tr>
<td>546483.001</td>
<td>SALS Neutral Density Filter Kit</td>
<td>295</td>
</tr>
</tbody>
</table>

### AR-G2 and AR2000ex SER2 Universal Testing Platform

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>547906.901</td>
<td>SER2 Universal Testing Platform for AR-G2 and AR2000ex (temperature range: 0 to 290°C)</td>
<td>11,800</td>
</tr>
<tr>
<td>200974.002</td>
<td>SER2 Standard Drum Pair for All Rheometers</td>
<td>425</td>
</tr>
<tr>
<td>200975.002</td>
<td>SER2 Knurled Surface Drum Pair Set for All Rheometers</td>
<td>710</td>
</tr>
<tr>
<td>200976.002</td>
<td>SER2 Rough Surface Drum Pair Set for All Rheometers</td>
<td>710</td>
</tr>
<tr>
<td>200977.002</td>
<td>SER2 Securing Clamps for All Rheometers (pkg of 6)</td>
<td>195</td>
</tr>
<tr>
<td>200978.001</td>
<td>SER2 Dual Blade Cutter Assembly</td>
<td>925</td>
</tr>
<tr>
<td>200979.001</td>
<td>Razor Blades for SER2 Blade Cutter (pkg of 50)</td>
<td>55</td>
</tr>
</tbody>
</table>
AR-Series, CSA, and CSA II Asphalt Accessories

Cylindrical Torsion

543033.001 Asphalt Cylindrical Torsion End Pieces $185

Automated Temperature Calibration

554024.901 AR-Series Automated Asphalt Temperature Calibration Kit $710

Note: Requires PC with USB port and Rheology Advantage Software Version 5.7.

CSA and CSA II Accessories, AR Wet Asphalt

554003.901 CSA Replacement Filter Material, 1 Package $10
554004.901 Replacement CSA, UHP, Dry Asphalt Plate Removal Tool $135
385062.901 CSA and CSA II Maintenance Kit $175
385037.901 CSA and CSA II Replacement Solenoid Valve $360
354007.901 Asphalt Sample Molds, 1 Pair $60

CSA, Upper Heated Plate, and Dry Asphalt System Screw-in Plates

NOTES: Screw-in Parallel Plates for use with following Systems: 1) CSA / CSA II: Lower Plate only, 2) AR-G2 and AR2000/ex and AR1500 UHP with Std. Peltier Plate: Upper plate Only and 3) AR-G2 and AR2000/ex and AR1500 Dry Asphalt System: For upper and lower plates (two of these parts are required to replace both upper and lower). These plates are constructed with four holes with plate removal.

554001.901 Stainless Steel, 8 mm Screw-in Parallel Plates for CSA, UHP, and Dry Asphalt $335
554008.901 Stainless Steel, 12 mm Screw-in Parallel Plates for CSA, UHP, and Dry Asphalt $335
554002.901 Stainless Steel, 25 mm Screw-in Parallel Plates for CSA, UHP, and Dry Asphalt $335
554019.902 HA Aluminum, 8 mm Screw-in Parallel Plates for CSA, UHP, and Dry Asphalt $325
554020.902 HA Aluminum, 25 mm Screw-in Parallel Plates for CSA, UHP, and Dry Asphalt $325

Peltier, UHP, Dry Asphalt System Replacement Parts

576015.901 Air Cooled Peltier Circulator 230V / 50Hz. (Julabo WKC 100) $1,290
200808.001 Submersible Pump for Peltier Temp Systems [US] (Temporary Use Only) $265
576002.901 Submersible Pump for Peltier Temp Systems [UK] (Temporary Use Only) $185
250002.001 Peltier Cooling Reservoir (Fish tank) [US] $125
576003.101 Peltier Cooling Reservoir (Fish tank) [UK] $145
952337.901 Fungicide for Peltier Reservoir $25
520207.901 AR-Rheometer Vibration Isolation Pads $120
### Stainless Steel Sample Trimming Tools
- **545852.001** 3 mm UHP Plate Trimming Tool (for use with Standard Peltier Plate) 55
- **545851.001** 6 mm UHP Dry Asphalt System Trimming Tool (for use with stepped Peltier) 55

### Standard Oils
- **250024.001** Low Viscosity Standard Oil ~100 mPa.s (cP) @ 25°C [US] 70
- **250024.002** High Viscosity Standard Oil ~1400 mPa.s (cP) @ 25°C [US] 70
- **575100.901** Low Viscosity Standard Oil, Nominal Viscosity 1.0 Pa.s (N4000) [UK] 80
- **575101.901** High Viscosity Standard Oil, Nominal Viscosity 17 Pa.s (N4000) [UK] 80

### Rheology Text Books
- **575105.901** A Handbook of Elementary Rheology, Howard A. Barnes 50
- **575103.901** Introduction to Rheology, H.A. Barnes, J.F. Hutton and K. Walters 70

### RSA III

#### RSA III Temperature Options
- **403164.901** FCO Mechanical Chiller Panel 5,190
  - Note: Requires Customer to Purchase Polycold PGC 152 mechanical Chiller directly from Polycold.
- **700.03382.6** FCO Liquid Nitrogen Controller Option 10,300

#### RSA III Software
- **402000.901** TA Orchestrator Software for ARES / RSA III 0
- **402010.901** Orchestrator Polymer Library 2,260
- **402000.802** TA Orchestrator Software Update CD for ARES / RSA III 0

#### Waveform and Fast Sampling Option
- **402020.951** Waveform and Fast Sampling Option Upgrade (for ARES V5, V6, or V8) 3,530

#### RSA III DETA: Dielectric Thermal Analysis Option
- **700.02903.4** RSA III Dielectric Thermal Analysis Option, Includes Bridge; 120 VAC, 60 Hz 21,400
  - Note: Includes Agilent E4980A-001 LCR Meter and 25 mm Parallel Plates.
- **700.02903.5** RSA III Dielectric Thermal Analysis Tooling, Bridge Not Included; 120 VAC, 60 Hz 7,910
  - Note: Includes 25 mm Parallel Plates and Interface for customer supplied Agilent E4980A-001 Bridge.
### RSA III Fixtures

<table>
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<tr>
<th>Item Code</th>
<th>Fixture Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>708.01456</td>
<td>3-Point Bending Fixture</td>
<td>1,500</td>
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<tr>
<td>708.01446</td>
<td>Cantilever Bending Fixture</td>
<td>1,900</td>
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<tr>
<td>708.01455</td>
<td>Film / Fiber Fixture</td>
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<td>708.01464</td>
<td>Parallel Plate Fixture</td>
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<td>708.01466.1</td>
<td>6 mm Plates for Parallel Plate Fixture</td>
<td>325</td>
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<tr>
<td>708.01466.2</td>
<td>15 mm Plates for Parallel Plate Fixture</td>
<td>235</td>
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<tr>
<td>708.01466.3</td>
<td>25 mm Plates for Parallel Plate Fixture</td>
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<tr>
<td>708.01461</td>
<td>Shear Sandwich Fixture</td>
<td>2,080</td>
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<td>708.01465</td>
<td>Contact Lens Fixture</td>
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<tr>
<td>700.03349</td>
<td>RSA III Immersion Fixture</td>
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Note: Includes tension and 15 mm diameter compression fixtures. Also includes 5 mm, 10 mm, and 20 mm 3-point bending fixtures.

### Miscellaneous Accessories

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<thead>
<tr>
<th>Item Code</th>
<th>Accessory</th>
<th>Price</th>
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<tbody>
<tr>
<td>700.03672</td>
<td>Air Dryer</td>
<td>1,770</td>
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<td>708.01457</td>
<td>Adaptors for RSA2 Tools</td>
<td>555</td>
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