

## STERILE CONTAINER SYSTEMS BIO-BARRIER MODEL



1/1 FULL SIZE



3/4 QUARTER SIZE



1/2 HALF SIZE



EXTRA LARGE SIZE



EXTRA LONG SIZE

Aygün Bio-Barrier model sterilization container systems are designed with mechanical valves both in bottom and lid which run in a way that they do not need any disposable filter use and can be used minimum 5000 cycles. The mechanical valve systems set on the lid or box run with atmospheric pressure occurring in the autoclave during sterilization. When the sterilization process starts, because of the occurring (plus) pressure, the valves open and let the steam penetration into the sterilization container. When the vacuum process starts at the end of the sterilization, because of the occurring (minus) pressure, the steam outlet valve opens and the steam exhausts from the box. When the sterilization process is completed, as there is no pressure (plus or minus) in autoclave, both valves are in closed position. By this way, it gains qualification to keep the products in it as sterilized. The valves are ensured to be closed %100 due to the special silicone gaskets on mechanical valve systems. Moreover, the mechanical valve system these sterilization containers is demountable by the user in order to control it when desired.

Aygün Bio-Barrier model sterilization container systems are manufactured as five different length, width and height and can be supplied with safety lids for effective external protection. These safety lids do not interfere with sterilization and they provides protection to the valve mechanism against liquids and dust as a second lid. All models and sizes have specific baskets and accessories which can be viewed in following parts. Modular auto lock mechanism (thermo lock) promising sterility assurance and indicator window providing visibility of the indicator card result by visual control without opening the lid are also available for this sterilization container model.

**STERILE CONTAINER SYSTEMS**



**Bio-Barrier Model**

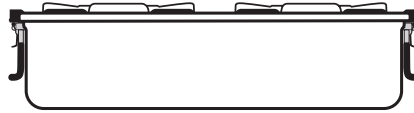
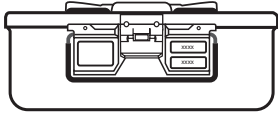
» *Extra Large Size*

EXTRA LARGE SIZE



W: 372 mm

L: 600 mm

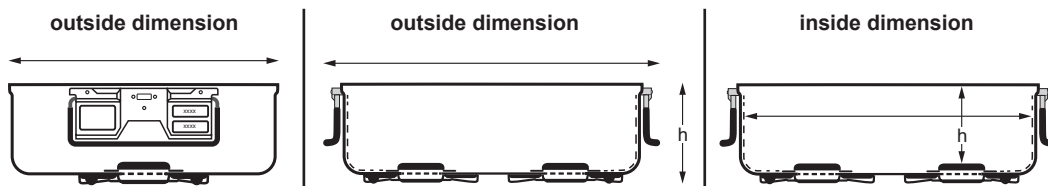


| Specifications | Lid (with barrier)   | Lid (with barrier)   |  |
|----------------|--|--|--|
|                |  |  |  |
|                | Box (Non Perforated)   | Box (with barrier)   |  |
|                | <b>K7-136</b><br><b>K7-137</b><br><b>K7-138</b><br><b>K7-139</b><br><b>K7-140</b><br><b>K7-141</b> | <b>K7-210</b><br><b>K7-211</b><br><b>K7-212</b><br><b>K7-213</b><br><b>K7-214</b><br><b>K7-215</b> |  |
|                | h:130 mm   | h:140 mm   |  |
|                |  | <b>K7-142</b><br><b>K7-143</b><br><b>K7-144</b><br><b>K7-145</b><br><b>K7-146</b><br><b>K7-147</b> | <b>K7-216</b><br><b>K7-217</b><br><b>K7-218</b><br><b>K7-219</b><br><b>K7-220</b><br><b>K7-221</b> |
|                |  | h:195 mm   | h:205 mm   |

Ps: All container measurements cover the outer size of the lids.

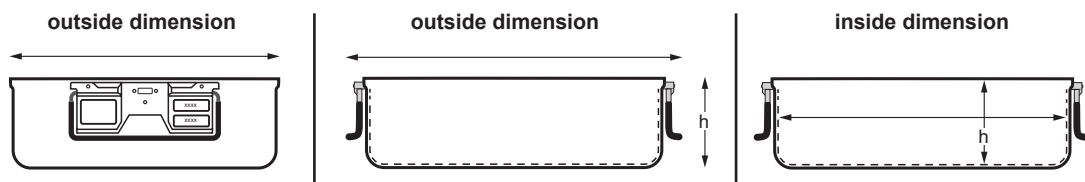


**BOX (with barrier)**



| code          | outside dimension  | inside dimension   | weight |
|---------------|--------------------|--------------------|--------|
| <b>K7-700</b> | 600 x 365 h:105 mm | 543 x 350 h:65 mm  | 3009 g |
| <b>K7-701</b> | 600 x 365 h:167 mm | 543 x 350 h:127 mm | 3594 g |

**BOX (non perforated)**



| code          | outside dimension  | inside dimension   | weight |
|---------------|--------------------|--------------------|--------|
| <b>K6-402</b> | 600 x 365 h:105 mm | 543 x 350 h:99 mm  | 2271 g |
| <b>K6-403</b> | 600 x 365 h:167 mm | 543 x 350 h:161 mm | 2856 g |

**LID BARRIER SYSTEM**



Dimension: 602 x 372 mm

| code          | color | weight |
|---------------|-------|--------|
| <b>K7-326</b> |       | 2055 g |
| <b>K7-327</b> |       |        |
| <b>K7-328</b> |       |        |
| <b>K7-329</b> |       |        |
| <b>K7-330</b> |       |        |
| <b>K7-331</b> |       |        |

STANDARD MODEL  
29

BIO-BARRIER MODEL  
63

Polymer's PPSU Lids  
97

WINDOW MODEL  
119

B<sub>3</sub> Barrier MODEL  
139

PLASMA MODEL  
173

A1 MODEL  
185

Dental, Mini, Special  
205

BASKETS  
223

Autolock Mechanism Emulating Indicator  
243

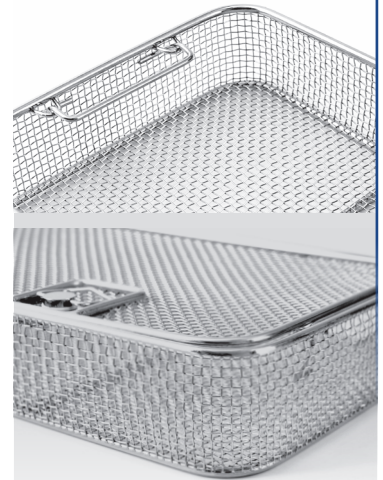
ACCESSORIES  
251

BASKET MADE FROM STAINLESS STEEL WIRE MESH

WIRE BASKET



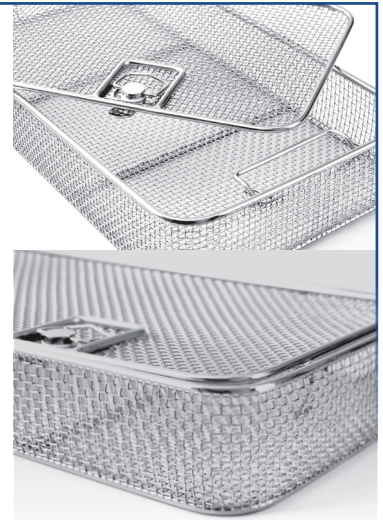
| code           | outside dimension  |
|----------------|--------------------|
| <b>K2-1701</b> | 533 x 337 h:50 mm  |
| <b>K2-1702</b> | 533 x 337 h:70 mm  |
| <b>K2-1703</b> | 533 x 337 h:100 mm |



WIRE BASKET WITH LID



| code           | outside dimension     |
|----------------|-----------------------|
| <b>K3-1704</b> | 533 x 337 h:55 mm     |
| <b>K3-1705</b> | 533 x 337 h:75 mm     |
| <b>K3-1706</b> | 533 x 337 h:105 mm    |
| <b>K3-1707</b> | ONLY LID, for baskets |



IDENTIFICATION (aluminium)

LABEL HOLDER



| code          | color  |
|---------------|--------|
| <b>K2-560</b> | Red    |
| <b>K2-561</b> | Blue   |
| <b>K2-562</b> | Green  |
| <b>K2-563</b> | Yellow |
| <b>K2-564</b> | Grey   |
| <b>K2-565</b> | Black  |

LABELS



| code          | color  |
|---------------|--------|
| <b>K2-570</b> | Red    |
| <b>K2-571</b> | Blue   |
| <b>K2-572</b> | Green  |
| <b>K2-573</b> | Yellow |
| <b>K2-574</b> | Grey   |
| <b>K2-575</b> | Black  |

Coloured identification labels  
Engraved to your specification

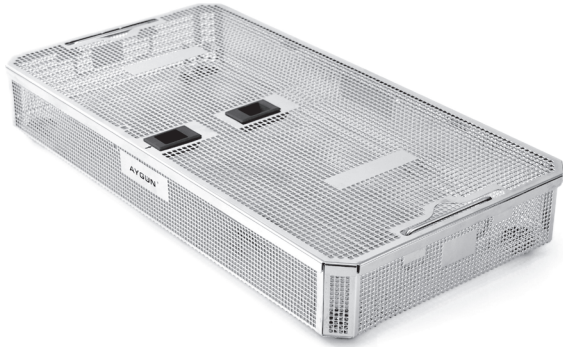


➤ Grey coloured recommended for use in Sterrad.  
Color fading By effect of Hydrogen Peroxide Gas Plasma on other colors.

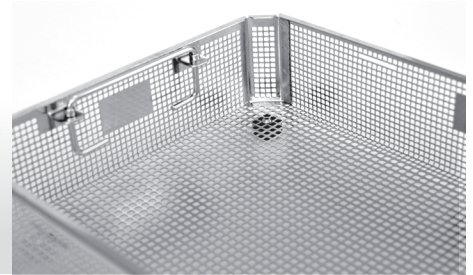
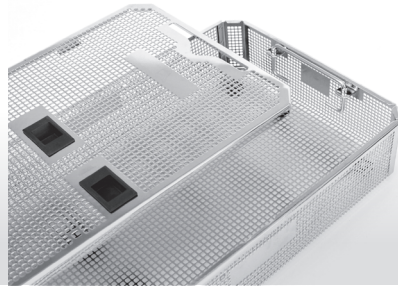


BASKET MADE FROM STAINLESS STEEL SHEET

BASKET (with stand)

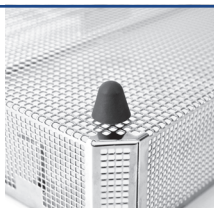


|                 | code          | outside dimension     |
|-----------------|---------------|-----------------------|
| Box and Lid<br> | <b>K3-701</b> | 539 x 346 h:44 mm     |
|                 | <b>K3-702</b> | 539 x 346 h:64 mm     |
|                 | <b>K3-703</b> | 539 x 346 h:84 mm     |
|                 | <b>K3-704</b> | 539 x 346 h:114 mm    |
| Box<br>         | <b>K3-705</b> | 533 x 340 h:40 mm     |
|                 | <b>K3-706</b> | 533 x 340 h:60 mm     |
|                 | <b>K3-707</b> | 533 x 340 h:80 mm     |
|                 | <b>K3-708</b> | 533 x 340 h:110 mm    |
| Lid<br>         | <b>K3-709</b> | ONLY LID, for baskets |



→ The baskets which are without lid and less than 44 mm in height do not include the handles while the ones with lid include the handles.

STAND



| code          | height |
|---------------|--------|
| <b>K3-767</b> | 20 mm  |

STAND



| code          | height |
|---------------|--------|
| <b>K3-768</b> | 10 mm  |

STAND



| code          | height |
|---------------|--------|
| <b>K3-766</b> | 5 mm   |

STANDARD MODEL

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BIO-BARRIER MODEL

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Polymer's PPSU Lids

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WINDOW MODEL

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B<sub>3</sub> Barrier MODEL

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PLASMA MODEL

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A1 MODEL

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Dental, Mini, Special

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BASKETS

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Autolock Mechanism Emulating Indicator

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ACCESSORIES

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**DIVIDERS**



**K2-1731**  
533 x 337 x 70 mm  
**K2-1732**  
533 x 337 x 120 mm

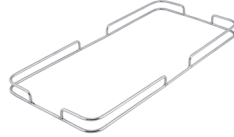
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**DIVIDERS**



**K2-1721**  
533 x 337 x 70 mm  
**K2-1722**  
533 x 337 x 120 mm

**DRAPE RETAINER**



**K2-1712**  
533 x 337 x 30 mm

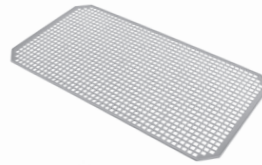
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**DRAPE RETAINER**



**K2-1711**  
533 x 337 mm

**SILICONE MESH MAT**









**K2-535**  
527 x 335 mm

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**SILICONE HANDLE**



**K2-710**   
**K2-711**   
**K2-712**   
**K2-713**   
**K2-714**   
**K2-715** 

**ALUMINIUM BASKET (with lid)**



**K3-1119**  
245 x 130 x 55 mm

**ALUMINIUM BASKET (with lid)**



**K3-1120**  
245 x 130 x 70 mm







**ALUMINIUM BASKET (with lid)**



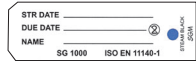
**K3-1121**  
245 x 130 x 105 mm

**IDENTIFICATION LABELS (aluminium)**



**K2-700**   
**K2-701**   
**K2-702**   
**K2-703**   
**K2-704**   
**K2-705** 

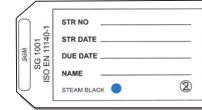
**LABELS (paper)**



**K2-673**  
100 pcs. With indicator.

For small size and special containers

**LABELS (paper)**



**K2-672**  
100 pcs. With indicator.

For full and Half size containers

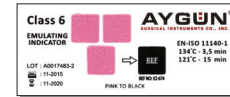
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**AUTO LOCK MECHANISM**



**K1-900**  
(2 Pcs)

**EMULATING INDICATOR CARD (class 6)**



**K2-674**  
Paper 250 Pcs.



**SECURITY SEAL (blue)**

**K2-663**  
100 pcs. with indicator.  
made of plastic



**SECURITY SEAL (blue)**

**K2-664**  
100 pcs. made of plastic



**SECURITY SEAL (blue)**

**K2-661**  
100 pcs. with number.  
made of plastic



**SECURITY SEAL (red)**

**K2-662**  
100 pcs. with indicator.  
made of plastic



**SECURITY SEAL (red)**

**K2-660**  
100 pcs. made of plastic



**SECURITY SEAL (red)**

**K2-665**  
100 pcs. with number.  
made of plastic



**DISPOSAL STAMP**

**K2-717**  
40 x 35 x 9 mm  
Requested number or letter must be informed during the order.



**LABEL HOLDER**

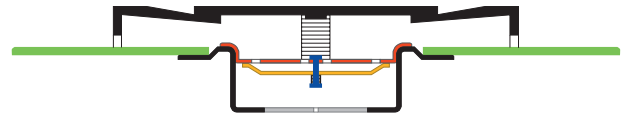
**K2-716**  
50 x 35 x 13 mm  
Holder for identification labels

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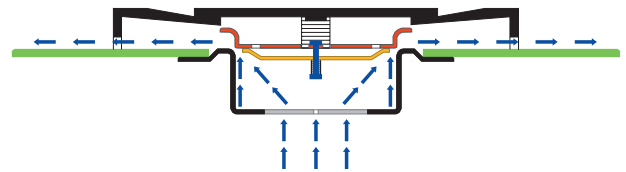


*The Barrier Model is a mechanical filtering systems. The valves of Barrier Model Systems have three different positions during sterilization cycles such as relax position, before sterilization and after sterilization position. It can be used at least 5000 sterilization cycle.*

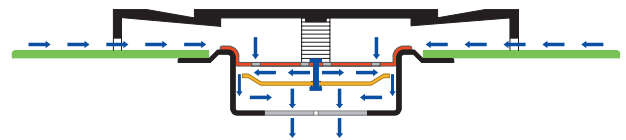
1 Before sterilization cycle the valves of the Barrier Model Container are closed and in relax position.



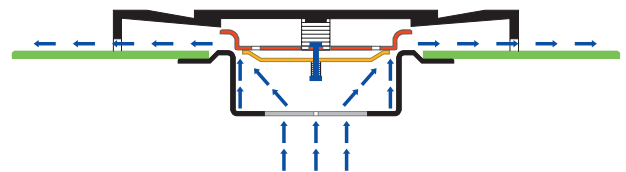
2 At the beginning of the sterilization cycle, by the effect of vacuum the valves are opened completely and dry air goes out of the container.



3 During the sterilization cycle the valves are opened with effect of pressure in the reverse way totally opposite of the way moved by the effect of vacuum.



4 At the end of the sterilization cycle the autoclave (sterilizer) equates the pressure level and the valves opened the way by effect of vacuum.



5 After sterilization cycle the valves of the Barrier Model Container are closed and in relax position.

