

## 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**



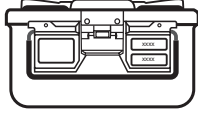
**Bio-Barrier Model**























































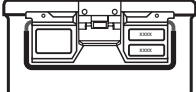










































































» *1/2 Half Size*

**1/2 BIO-BARRIER MODEL**

W: 280 mm

L: 310 mm



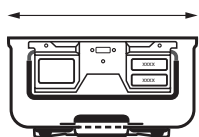
Specifications ➔	Lid (with barrier)	Lid (with barrier)	Safety Lid Lid (with barrier)	Safety Lid Lid (with barrier)
				
	Box (Non Perforated)	Box (with barrier)	Box (Non Perforated)	Box (with barrier)
	<b>K7-500</b> 	<b>K7-530</b> 	<b>K7-640</b> 	<b>K7-670</b> 
	<b>K7-501</b> 	<b>K7-531</b> 	<b>K7-641</b> 	<b>K7-671</b> 
	<b>K7-502</b> 	<b>K7-532</b> 	<b>K7-642</b> 	<b>K7-672</b> 
	<b>K7-503</b> 	<b>K7-533</b> 	<b>K7-643</b> 	<b>K7-673</b> 
	<b>K7-504</b> 	<b>K7-534</b> 	<b>K7-644</b> 	<b>K7-674</b> 
	<b>K7-505</b> 	<b>K7-535</b> 	<b>K7-645</b> 	<b>K7-675</b> 
	<b>K7-506</b> 	<b>K7-536</b> 	<b>K7-646</b> 	<b>K7-676</b> 
	<b>K7-507</b> 	<b>K7-537</b> 	<b>K7-647</b> 	<b>K7-677</b> 
	<b>K7-508</b> 	<b>K7-538</b> 	<b>K7-648</b> 	<b>K7-678</b> 
	<b>K7-509</b> 	<b>K7-539</b> 	<b>K7-649</b> 	<b>K7-679</b> 
	<b>K7-510</b> 	<b>K7-540</b> 	<b>K7-650</b> 	<b>K7-680</b> 
	<b>K7-511</b> 	<b>K7-541</b> 	<b>K7-651</b> 	<b>K7-681</b> 
	<b>K7-512</b> 	<b>K7-542</b> 	<b>K7-652</b> 	<b>K7-682</b> 
	<b>K7-513</b> 	<b>K7-543</b> 	<b>K7-653</b> 	<b>K7-683</b> 
	<b>K7-514</b> 	<b>K7-544</b> 	<b>K7-654</b> 	<b>K7-684</b> 
	<b>K7-515</b> 	<b>K7-545</b> 	<b>K7-655</b> 	<b>K7-685</b> 
	<b>K7-516</b> 	<b>K7-546</b> 	<b>K7-656</b> 	<b>K7-686</b> 
	<b>K7-517</b> 	<b>K7-547</b> 	<b>K7-657</b> 	<b>K7-687</b> 
	<b>K7-518</b> 	<b>K7-548</b> 	<b>K7-658</b> 	<b>K7-688</b> 
	<b>K7-519</b> 	<b>K7-549</b> 	<b>K7-659</b> 	<b>K7-689</b> 
	<b>K7-520</b> 	<b>K7-550</b> 	<b>K7-660</b> 	<b>K7-690</b> 
	<b>K7-521</b> 	<b>K7-551</b> 	<b>K7-661</b> 	<b>K7-691</b> 
	<b>K7-522</b> 	<b>K7-552</b> 	<b>K7-662</b> 	<b>K7-692</b> 
	<b>K7-523</b> 	<b>K7-553</b> 	<b>K7-663</b> 	<b>K7-693</b> 
	<b>K7-524</b> 	<b>K7-554</b> 	<b>K7-664</b> 	<b>K7-694</b> 
	<b>K7-525</b> 	<b>K7-555</b> 	<b>K7-665</b> 	<b>K7-695</b> 
	<b>K7-526</b> 	<b>K7-556</b> 	<b>K7-666</b> 	<b>K7-696</b> 
	<b>K7-527</b> 	<b>K7-557</b> 	<b>K7-667</b> 	<b>K7-697</b> 
	<b>K7-528</b> 	<b>K7-558</b> 	<b>K7-668</b> 	<b>K7-698</b> 
	<b>K7-529</b> 	<b>K7-559</b> 	<b>K7-669</b> 	<b>K7-699</b> 

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

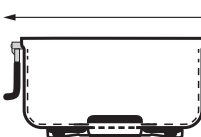
**BOX (with barrier)**



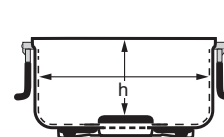
outside dimension



outside dimension



inside dimension

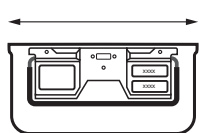


code	outside dimension	inside dimension	weight
<b>K7-600</b>	310 x 272 h:100 mm	253 x 258 h:60 mm	1682 g
<b>K7-601</b>	310 x 272 h:116 mm	253 x 258 h:76 mm	1730 g
<b>K7-602</b>	310 x 272 h:138 mm	253 x 258 h:98 mm	1842 g
<b>K7-603</b>	310 x 272 h:190 mm	253 x 258 h:150 mm	2075 g
<b>K7-604</b>	310 x 272 h:235 mm	253 x 258 h:195 mm	2355 g

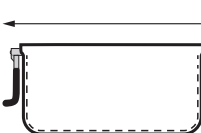
**BOX (non perforated)**



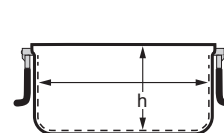
outside dimension



outside dimension



inside dimension



code	outside dimension	inside dimension	weight
<b>K6-605</b>	310 x 272 h:100 mm	253 x 258 h:94 mm	1267 g
<b>K6-606</b>	310 x 272 h:116 mm	253 x 258 h:110 mm	1315 g
<b>K6-607</b>	310 x 272 h:138 mm	253 x 258 h:132 mm	1427 g
<b>K6-608</b>	310 x 272 h:190 mm	253 x 258 h:184 mm	1660 g
<b>K6-609</b>	310 x 272 h:235 mm	253 x 258 h:229 mm	1940 g

**LID-BARRIER SYSTEM**

Dimension: 312 x 280 mm



code	color	weight
<b>K7-630</b>		960 g
<b>K7-631</b>		
<b>K7-632</b>		
<b>K7-633</b>		
<b>K7-634</b>		
<b>K7-635</b>		

**SAFETY LIDS**

Dimension: 317 x 286 mm

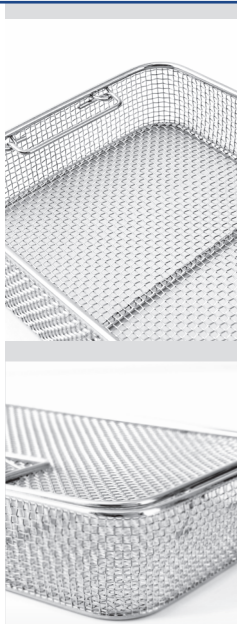


code	color	weight
<b>K7-412</b>		675 g
<b>K7-413</b>		
<b>K7-414</b>		
<b>K7-415</b>		
<b>K7-416</b>		
<b>K7-417</b>		

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

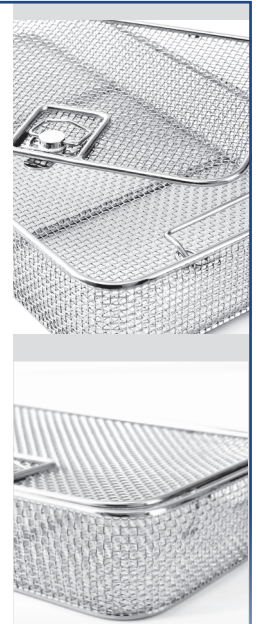
BASKET MADE FROM STAINLESS STEEL WIRE MESH

WIRE BASKET



code	outside dimension
<b>K2-490</b>	246 x 246 x h:30 mm
<b>K2-491</b>	246 x 246 x h:50 mm
<b>K2-492</b>	246 x 246 x h:70 mm
<b>K2-493</b>	246 x 246 x h:100 mm

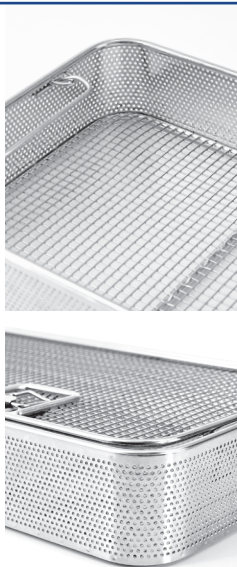
WIRE BASKET WITH LID



code	outside dimension
<b>K3-1040</b>	246 x 246 h:35 mm
<b>K3-1041</b>	246 x 246 h:55 mm
<b>K3-1042</b>	246 x 246 h:75 mm
<b>K3-1043</b>	246 x 246 h:105 mm
<b>K3-1045</b>	ONLY LID, for baskets

WIRE BASKET WITH PERFORATED METAL PLATE

WIRE BASKET



code	outside dimension
<b>K2-491 P</b>	246 x 246 x h:50 mm
<b>K2-492 P</b>	246 x 246 x h:70 mm
<b>K2-493 P</b>	246 x 246 x h:100 mm

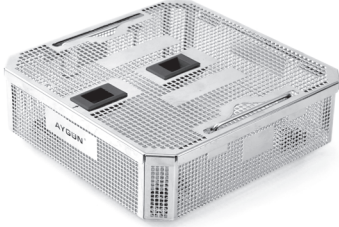
WIRE BASKET WITH LID



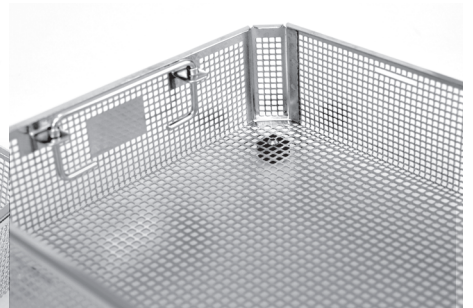
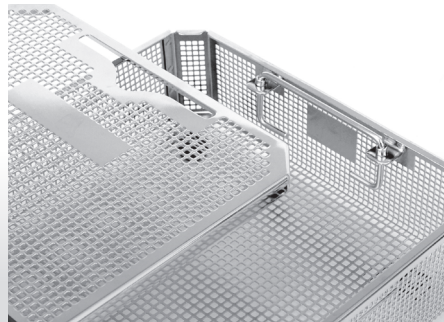
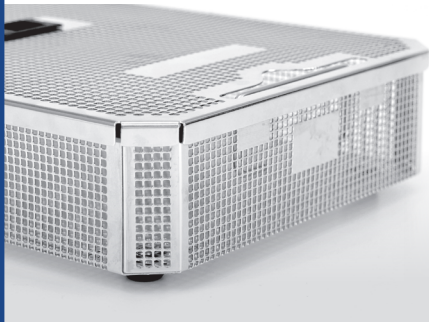
code	outside dimension
<b>K3-1041 P</b>	246 x 246 x h:55 mm
<b>K3-1042 P</b>	246 x 246 x h:75 mm
<b>K3-1043 P</b>	246 x 246 x h:105 mm
<b>K3-1045 P</b>	ONLY LID, for baskets

BASKET MADE FROM STAINLESS STEEL SHEET

BASKET (with stand)



	code	outside dimension
<p>Box and Lid</p>	<b>K3-732</b>	250 x 259 h:44 mm
	<b>K3-733</b>	250 x 259 h:64 mm
	<b>K3-734</b>	250 x 259 h:84 mm
	<b>K3-735</b>	250 x 259 h:114 mm
<p>Box</p>	<b>K3-752</b>	244 x 253 h:40 mm
	<b>K3-753</b>	244 x 253 h:60 mm
	<b>K3-754</b>	244 x 253 h:80 mm
	<b>K3-755</b>	244 x 253 h:110 mm
<p>Lid</p>	<b>K3-763</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

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

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

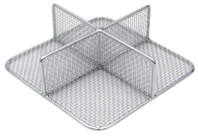
Dental, Mini, Special 205

BASKETS 223

Autolock Mechanism Emulating Indicator 243

ACCESSORIES 251

**DIVIDERS**



**K2-483**  
255 x 245 x 130 mm  
**K2-484**  
255 x 245 x 180 mm

**WIRE BASE**



**K2-482**  
255 x 255 x 30 mm

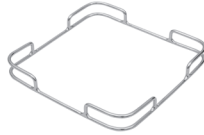
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**RACK (for kerrison)**



**K3-1094**  
220 x 250 x 160 mm  
• Holds 10 kerrison punches  
• Fits into a 1/2 and 1/1 size  
• 20 cm deep container  
• Wire basket 1/2 50 mm  
• Wire basket 1/1 50 mm  
• Container 1/2 200 mm  
• Container 1/1 200 mm

**DRAPE RETAINER**



**K3-481**  
255 x 255 x 30 mm

**DRAPE RETAINER**



**K2-480**  
255 x 255 mm

**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)**



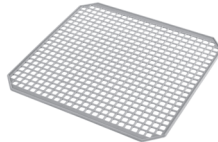
**K3-1121**  
245 x 130 x 105 mm

**SILICONE MAT**



**K2-521**  
250 x 235 mm

**SILICONE MESH MAT**



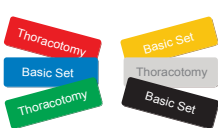
**K2-530**  
250 x 240 mm

**SILICONE HANDLE**



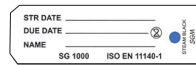
**K2-710**   
**K2-711**   
**K2-712**   
**K2-713**   
**K2-714**   
**K2-715**

**IDENTIFICATION LABELS (aluminium)**



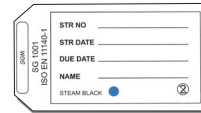
**K2-700**   
**K2-701**   
**K2-702**   
**K2-703**   
**K2-704**   
**K2-705**

**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

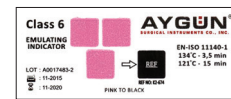
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**AUTO LOCK MECHANISM**



**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**

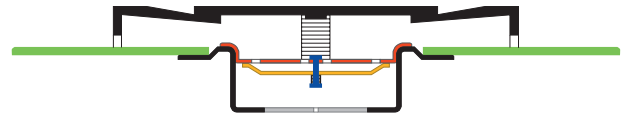
**K2-716**  
50 x 35 x 13 mm  
Holder for identification labels

( - )

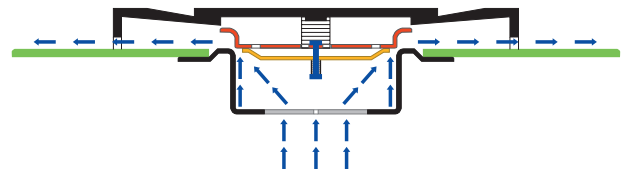


*The Barrier Model is a mechanical filtering systems. The valves of Barrier Model Systems have three different positions during sterilization cycles such as relax position, before sterilization and after sterilization position. It can be used at least 5000 sterilization cycle.*

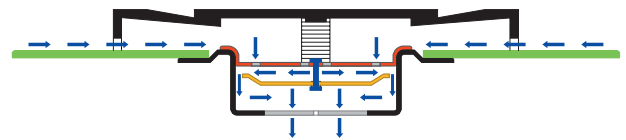
1 Before sterilization cycle the valves of the Barrier Model Container are closed and in relax position.



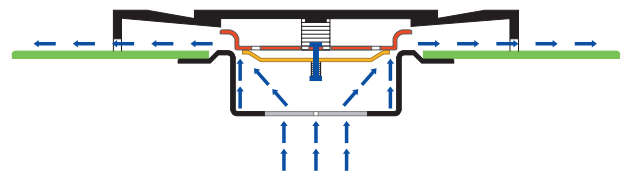
2 At the beginning of the sterilization cycle, by the effect of vacuum the valves are opened completely and dry air goes out of the container.



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.

