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AT EVERY POINT

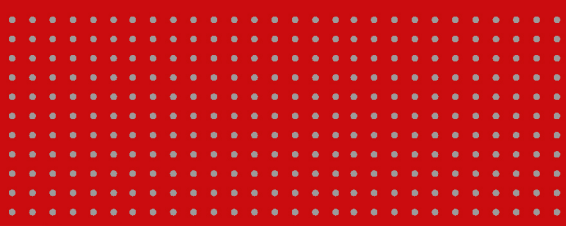


**5** Different Models | **8** Different Colors 



# STERILIZATION CONTAINER

S Y S T E M S



“ Meeting point for surgery...”

EDITION 11

**AYGUN**<sup>®</sup>  
SURGICAL INSTRUMENTS CO., INC.

# BIO BARRIER

## STERILIZATION CONTAINER SYSTEMS

8 Different Colours

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 (+) 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 (-) pressure, the steam outlet valve opens and the steam exhausts from the box. When the sterilization process is completed, as there is no pressure (+ or -) 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 lengths, width and height and can be supplied with safety lids for effective external protection. These safety lids do not interfere with sterilization and they provide 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.

### Box Types



Box (With Barrier)



Box (Non Perforated)



### Standard Heights



110 mm

135 mm

150 mm

200 mm

260 mm

### Dimensions



1/2 Half Size

3/4 Quarter Size

1/1 Full Size

Extra Large Size

Extra Long Size

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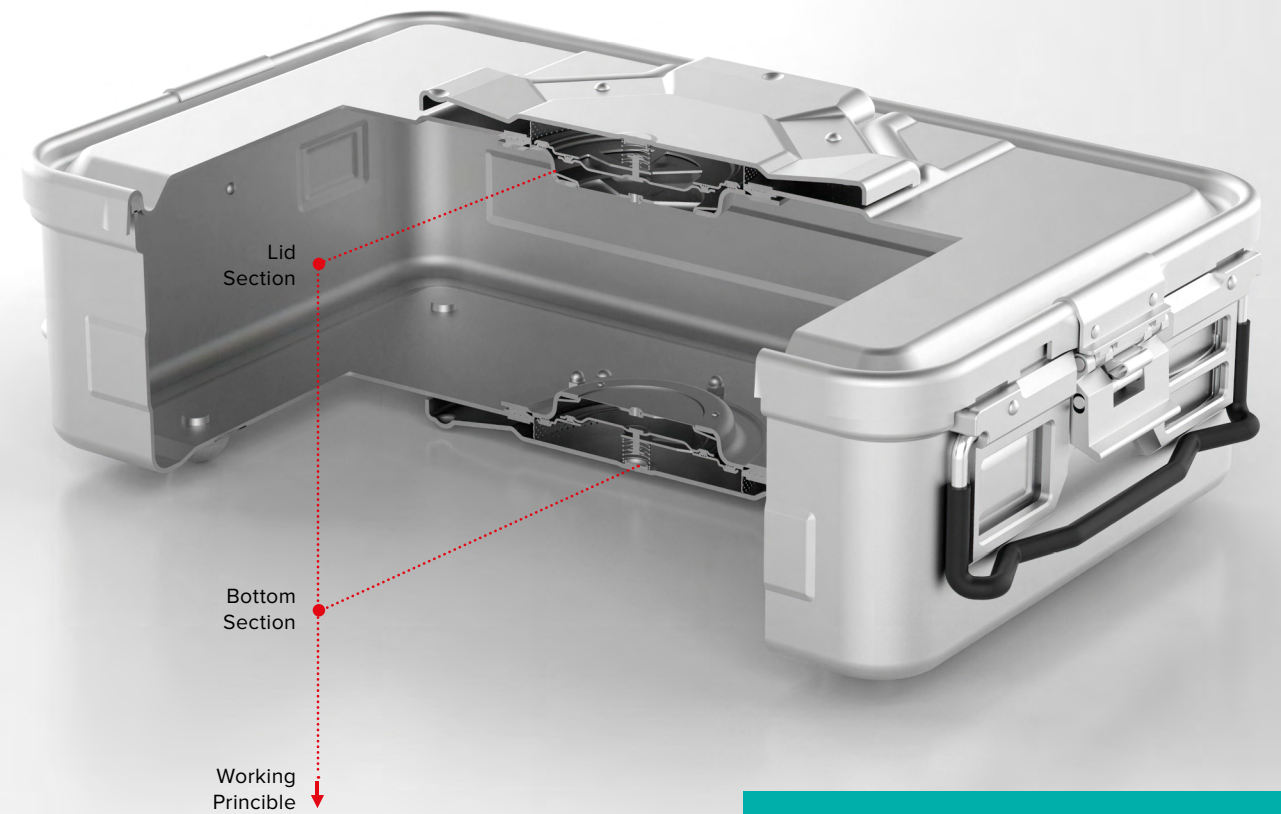
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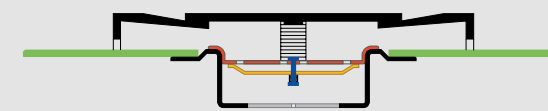


## Barrier Mechanism Parts

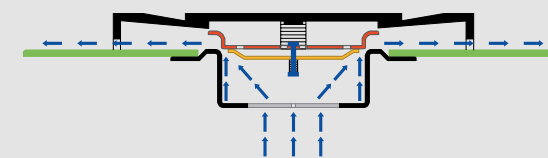
Barrier model containers are composed of a "mechanical filtering system". The valves inside this filtering system have three different positions during the sterilization cycle which are called relax position, pre-sterilization and post-sterilization. It can be used at least 5000 cycles.



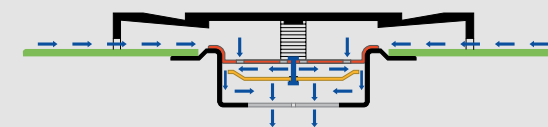
Cross section of mechanism & Working Principles



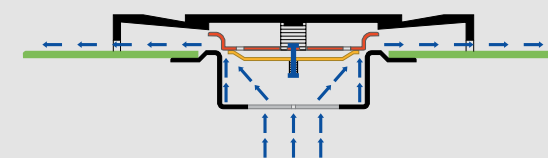
Before sterilization cycle the valves of the Barrier Model Container are closed and in relax position.



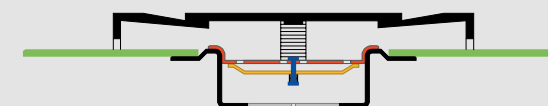
At the beginning of the sterilization cycle, by the effect of vacuum the valves are opened completely and dry air goes out of the container.



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.



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



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



# BIO BARRIER

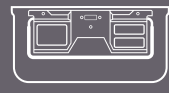
STERILIZATION CONTAINER SYSTEMS

1/1 Full Size

## Box Types



Box (With Barrier)



Box (Non Perforated)

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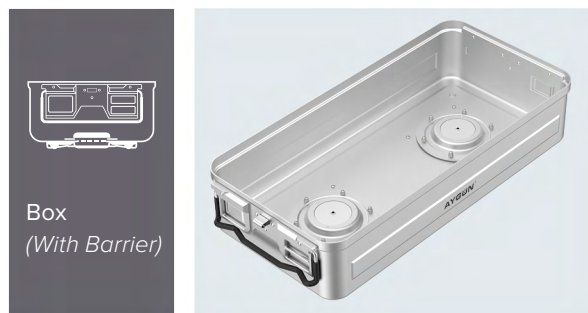


8 Different Colours



Box (Non Perforated)

Code	Outside Dimension	Inside Dimension	Weight
K6-105	600 x 272 x 96 mm	543 x 258 x 90 mm	1945 g
K6-106	600 x 272 x 116 mm	543 x 258 x 110 mm	2100 g
K6-107	600 x 272 x 138 mm	543 x 258 x 132 mm	2255 g
K6-108	600 x 272 x 190 mm	543 x 258 x 184 mm	2655 g
K6-109	600 x 272 x 235 mm	543 x 258 x 229 mm	3100 g



Box (With Barrier)

Code	Outside Dimension	Inside Dimension	Weight
K7-100	600 x 272 x 108 mm	543 x 258 x 60 mm	2640 g
K7-101	600 x 272 x 128 mm	543 x 258 x 76 mm	2840 g
K7-102	600 x 272 x 150 mm	543 x 258 x 98 mm	2940 g
K7-103	600 x 272 x 197 mm	543 x 258 x 150 mm	3390 g
K7-104	600 x 272 x 247 mm	543 x 258 x 195 mm	3780 g

**Barrier System Lids**

Dimension	Weight
585 x 285 mm	1840 g

Color	Code
Grey	K7-120
Yellow	K7-121
Green	K7-122
Blue	K7-123
Red	K7-124
Black	K7-125
Purple	K7-126
Bronze	K7-127

**Safety Lids**

Dimension	Weight
606 x 288 mm	1200 g

Color	Code
Grey	K7-400
Yellow	K7-401
Green	K7-402
Blue	K7-403
Red	K7-404
Black	K7-405
Purple	K7-418
Bronze	K7-419



# BIO BARRIER

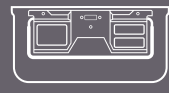
STERILIZATION CONTAINER SYSTEMS

3/4 Quarter Size

## Box Types



Box (With Barrier)



Box (Non Perforated)

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8 Different Colours



Box (Non Perforated)

Code	Outside Dimension	Inside Dimension	Weight
K6-305	475 x 272 x 96 mm	422 x 258 x 90 mm	1670 g
K6-306	475 x 272 x 116 mm	422 x 258 x 110 mm	1760 g
K6-307	475 x 272 x 138 mm	422 x 258 x 132 mm	1895 g
K6-308	475 x 272 x 185 mm	422 x 258 x 179 mm	2350 g



Box (With Barrier)

Code	Outside Dimension	Inside Dimension	Weight
K7-300	475 x 272 x 108 mm	422 x 258 x 60 mm	2020 g
K7-301	475 x 272 x 128 mm	422 x 258 x 76 mm	2130 g
K7-302	475 x 272 x 150 mm	422 x 258 x 98 mm	2260 g
K7-303	475 x 272 x 197 mm	422 x 258 x 145 mm	2530 g

**Barrier System Lids**

Dimension	Weight
460 x 285 mm	1250 g

Color	Code
Grey	K7-340
Yellow	K7-341
Green	K7-342
Blue	K7-343
Red	K7-344
Black	K7-345
Purple	K7-346
Bronze	K7-347

**Safety Lids**

Dimension	Weight
483 x 290 mm	1000 g

Color	Code
Grey	K7-406
Yellow	K7-407
Green	K7-408
Blue	K7-409
Red	K7-410
Black	K7-411
Purple	K7-420
Bronze	K7-421



# BIO BARRIER

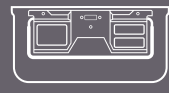
STERILIZATION CONTAINER SYSTEMS

1/2 Half Size

## Box Types



Box (With Barrier)



Box (Non Perforated)

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8 Different Colours



Box (Non Perforated)

Code	Outside Dimension	Inside Dimension	Weight
K6-605	310 x 272 x 96 mm	253 x 258 x 90 mm	1285 g
K6-606	310 x 272 x 116 mm	253 x 258 x 110 mm	1345 g
K6-607	310 x 272 x 138 mm	253 x 258 x 132 mm	1455 g
K6-608	310 x 272 x 185 mm	253 x 258 x 184 mm	1705 g
K6-609	310 x 272 x 235 mm	253 x 258 x 229 mm	1955 g



Box (With Barrier)

Code	Outside Dimension	Inside Dimension	Weight
K7-600	310 x 272 x 108 mm	253 x 258 x 60 mm	1710 g
K7-601	310 x 272 x 128 mm	253 x 258 x 76 mm	1770 g
K7-602	310 x 272 x 150 mm	253 x 258 x 98 mm	1880 g
K7-603	310 x 272 x 197 mm	253 x 258 x 150 mm	2130 g
K7-604	310 x 272 x 247 mm	253 x 258 x 195 mm	2380 g

**Barrier System Lids**

Dimension	Weight
295 x 280 mm	980 g

Color	Code
Grey	K7-630
Yellow	K7-631
Green	K7-632
Blue	K7-633
Red	K7-634
Black	K7-635
Purple	K7-636
Bronze	K7-637

**Safety Lids**

Dimension	Weight
317 x 285 mm	700 g

Color	Code
Grey	K7-412
Yellow	K7-413
Green	K7-414
Blue	K7-415
Red	K7-416
Black	K7-417
Purple	K7-422
Bronze	K7-423



# BIO BARRIER

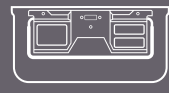
STERILIZATION CONTAINER SYSTEMS

Extra Large Size

## Box Types



Box (With Barrier)

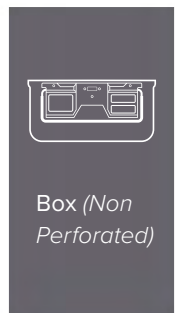


Box (Non Perforated)

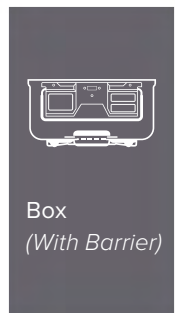
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8 Different Colours 



Code	Outside Dimension	Inside Dimension	Weight
K6-402	600 x 365 x 105 mm	543 x 350 x 99 mm	2365 g
K6-403	600 x 365 x 167 mm	543 x 350 x 161 mm	2890 g



Code	Outside Dimension	Inside Dimension	Weight
K7-700	600 x 365 x 117 mm	543 x 350 x 65 mm	3045 g
K7-701	600 x 365 x 179 mm	543 x 350 x 127 mm	3570 g



Barrier System Lids

Dimension	Weight
583 x 370 mm	2055 g



Color	Code
Grey	K7-326
Yellow	K7-327
Green	K7-328
Blue	K7-329
Red	K7-330
Black	K7-331
Purple	K7-315
Bronze	K7-316



# BIO BARRIER

STERILIZATION CONTAINER SYSTEMS

Extra Long Size

## Box Types



Box (With Barrier)



Box (Non Perforated)

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8 Different Colours



Code	Outside Dimension	Inside Dimension	Weight
K6-2005	725 x 275 x 127 mm	670 x 260 x 121 mm	2446 g
K6-2007	725 x 275 x 134 mm	670 x 260 x 128 mm	2503 g
K6-2006	725 x 275 x 191 mm	670 x 260 x 185 mm	2974 g



Code	Outside Dimension	Inside Dimension	Weight
K7-2000	725 x 275 x 138 mm	670 x 260 x 104 mm	3150 g
K7-2002	725 x 275 x 145 mm	670 x 260 x 111 mm	3282 g
K7-2001	725 x 275 x 203 mm	670 x 260 x 170 mm	3660 g



Dimension	Weight
710 x 285 mm	2000 g



Color	Code
Grey	K7-2120
Yellow	K7-2121
Green	K7-2122
Blue	K7-2123
Red	K7-2124
Black	K7-2125
Purple	K7-2126
Bronze	K7-2127



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