

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



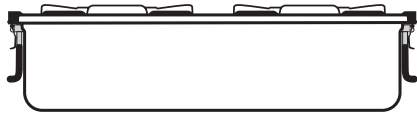
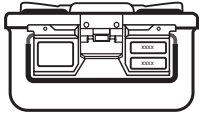
Bio-Barrier Model

» *1/1 Full Size*

1/1 BIO-BARRIER MODEL

W: 285 mm

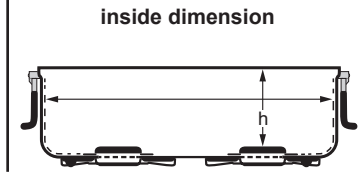
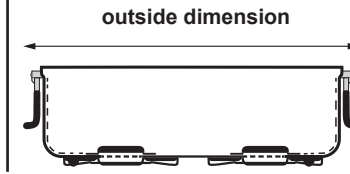
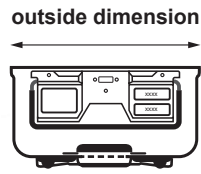
L: 600 mm



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)
	K7-010	K7-040	K7-150	K7-180
	K7-011	K7-041	K7-151	K7-181
	K7-012	K7-042	K7-152	K7-182
	K7-013	K7-043	K7-153	K7-183
	K7-014	K7-044	K7-154	K7-184
	K7-015	K7-045	K7-155	K7-185
	h:120 mm	h:130 mm	h:130 mm	h:140 mm
	K7-016	K7-046	K7-156	K7-186
	K7-017	K7-047	K7-157	K7-187
	K7-018	K7-048	K7-158	K7-188
	K7-019	K7-049	K7-159	K7-189
	K7-020	K7-050	K7-160	K7-190
	K7-021	K7-051	K7-161	K7-191
	h:145 mm	h:155 mm	h:150 mm	h:160 mm
	K7-022	K7-052	K7-162	K7-192
	K7-023	K7-053	K7-163	K7-193
	K7-024	K7-054	K7-164	K7-194
	K7-025	K7-055	K7-165	K7-195
	K7-026	K7-056	K7-166	K7-196
	K7-027	K7-057	K7-167	K7-197
	h:165 mm	h:175 mm	h:170 mm	h:180 mm
	K7-028	K7-058	K7-168	K7-198
	K7-029	K7-059	K7-169	K7-199
	K7-030	K7-060	K7-170	K7-200
	K7-031	K7-061	K7-171	K7-201
	K7-032	K7-062	K7-172	K7-202
	K7-033	K7-063	K7-173	K7-203
	h:215 mm	h:225 mm	h:220 mm	h:230 mm
	K7-034	K7-064	K7-174	K7-204
	K7-035	K7-065	K7-175	K7-205
	K7-036	K7-066	K7-176	K7-206
	K7-037	K7-067	K7-177	K7-207
	K7-038	K7-068	K7-178	K7-208
	K7-039	K7-069	K7-179	K7-209
	h:265 mm	h:275 mm	h:270 mm	h:280 mm

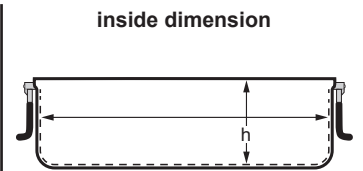
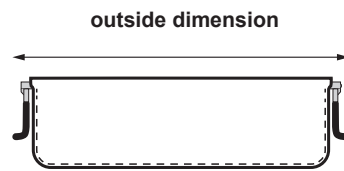
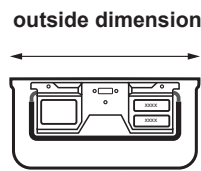
➔ Ps: All container measurements cover the outer size of the lids.

BOX (with barrier)



code	outside dimension	inside dimension	weight
K7-100	600 x 272 h:100 mm	543 x 258 h:60 mm	2638 g
K7-101	600 x 272 h:116 mm	543 x 258 h:76 mm	2834 g
K7-102	600 x 272 h:138 mm	543 x 258 h:98 mm	2943 g
K7-103	600 x 272 h:190 mm	543 x 258 h:150 mm	3386 g
K7-104	600 x 272 h:235 mm	543 x 258 h:195 mm	3778 g

BOX (non perforated)



code	outside dimension	inside dimension	weight
K6-105	600 x 272 h:100 mm	543 x 258 h:94 mm	1900 g
K6-106	600 x 272 h:116 mm	543 x 258 h:110 mm	2096 g
K6-107	600 x 272 h:138 mm	543 x 258 h:132 mm	2205 g
K6-108	600 x 272 h:190 mm	543 x 258 h:184 mm	2648 g
K6-109	600 x 272 h:235 mm	543 x 258 h:229 mm	3040 g

LID-BARRIER SYSTEM



code	color	weight
K7-120		1830 g
K7-121		
K7-122		
K7-123		
K7-124		
K7-125		

Dimension: 602 x 285 mm

SAFETY LIDS



code	color	weight
K7-400		1164 g
K7-401		
K7-402		
K7-403		
K7-404		
K7-405		

Dimension: 606 x 288 mm

STANDARD MODEL

29

BIO-BARRIER MODEL

63

Polymer's PPSU Lids

97

WINDOW MODEL

119

B₃ Barrier MODEL

139

PLASMA MODEL

173

A1 MODEL

185

Dental, Mini, Special

205

BASKETS

223

Autolock Mechanism Emulating Indicator

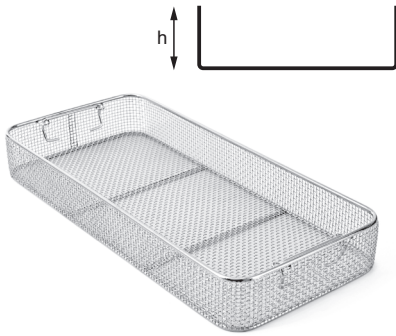
243

ACCESSORIES

251

BASKET MADE FROM STAINLESS STEEL WIRE MESH

WIRE BASKET



code	outside dimension
K2-460	540 x 245 h:30 mm
K2-461	540 x 245 h:50 mm
K2-462	540 x 245 h:70 mm
K2-463	540 x 245 h:100 mm
K2-450	480 x 245 h:30 mm
K2-451	480 x 245 h:50 mm
K2-452	480 x 245 h:70 mm
K2-453	480 x 245 h:100 mm



WIRE BASKET WITH LID



code	outside dimension
K3-1010	540 x 245 h:35 mm
K3-1011	540 x 245 h:55 mm
K3-1012	540 x 245 h:75 mm
K3-1013	540 x 245 h:105 mm
K3-1014	ONLY LID, for baskets
K3-1020	480 x 245 h:35 mm
K3-1021	480 x 245 h:55 mm
K3-1022	480 x 245 h:75 mm
K3-1023	480 x 245 h:105 mm
K3-1024	ONLY LID, for baskets

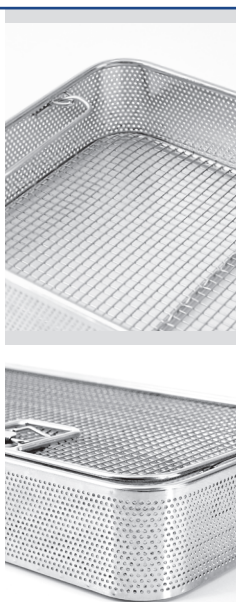


WIRE BASKET WITH PERFORATED METAL PLATE

WIRE BASKET



code	outside dimension
K2-461 P	540 x 245 h:50 mm
K2-462 P	540 x 245 h:70 mm
K2-463 P	540 x 245 h:100 mm
K2-451 P	480 x 245 h:50 mm
K2-452 P	480 x 245 h:70 mm
K2-453 P	480 x 245 h:100 mm



WIRE BASKET WITH LID



code	outside dimension
K3-1011 P	540 x 245 h:55 mm
K3-1012 P	540 x 245 h:75 mm
K3-1013 P	540 x 245 h:105 mm
K3-1014 P	ONLY LID, for baskets
K3-1021 P	480 x 245 h:55 mm
K3-1022 P	480 x 245 h:75 mm
K3-1023 P	480 x 245 h:105 mm
K3-1024 P	ONLY LID, for baskets

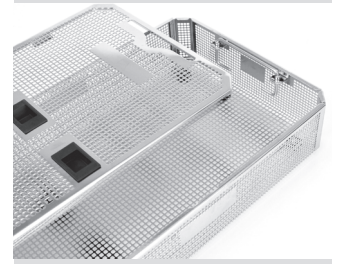


BASKET MADE FROM STAINLESS STEEL SHEET

BASKET (with stand)



	code	outside dimension
Box and Lid	K3-720	546 x 259 h:44 mm
	K3-721	546 x 259 h:64 mm
	K3-722	546 x 259 h:84 mm
	K3-723	546 x 259 h:114 mm
Box	K3-740	540 x 253 h:40 mm
	K3-741	540 x 253 h:60 mm
	K3-742	540 x 253 h:80 mm
	K3-743	540 x 253 h:110 mm
Lid	K3-760	ONLY LID, for baskets



BASKET (with stand)



	code	outside dimension
Box and Lid	K3-724	491 x 259 h:44 mm
	K3-725	491 x 259 h:64 mm
	K3-726	491 x 259 h:84 mm
	K3-727	491 x 259 h:114 mm
Box	K3-744	485 x 253 h:40 mm
	K3-745	485 x 253 h:60 mm
	K3-746	485 x 253 h:80 mm
	K3-747	485 x 253 h:110 mm
Lid	K3-761	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



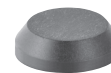
code	height
K3-767	20 mm

STAND



code	height
K3-768	10 mm

STAND



code	height
K3-766	5 mm

IDENTIFICATION (aluminium)

LABEL HOLDER



code	color
K2-560	Red
K2-561	Blue
K2-562	Green
K2-563	Yellow
K2-564	Grey
K2-565	Black

LABELS



code	color
K2-570	Red
K2-571	Blue
K2-572	Green
K2-573	Yellow
K2-574	Grey
K2-575	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.

STANDARD MODEL

29

BIO-BARRIER MODEL

63

Polymer's PPSU Lids

97

WINDOW MODEL

119

B₃ Barrier MODEL

139

PLASMA MODEL

173

A1 MODEL

185

Dental, Mini, Special

205

BASKETS

223

Autolock Mechanism Emulating Indicator

243

ACCESSORIES

251

DIVIDERS



K2-428
540 x 250 x 130 mm
K2-429
540 x 250 x 180 mm

WIRE BASE



K2-440
545 x 255 x 30 mm

DIVIDERS



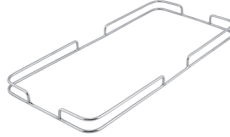
K2-425
540 x 250 x 130 mm
K2-426
540 x 250 x 180 mm

RACK (for endoscopy)



K3-1090
505 x 250 x 125 mm
• Holds 10 endoscopic instruments
• Fits into a 1/1 size 20 cm deep container
• Wire basket 1/1 50 mm
• Container 1/1 200 mm
• Silicone mat 520 x 230 mm

DRAPE RETAINER



K2-420
545 x 255 x 30 mm

DRAPE RETAINER



K2-400
545 x 255 mm

ALUMINIUM BASKET (with lid)



K3-1119
245 x 130 x 55 mm

ALUMINIUM BASKET (with lid)



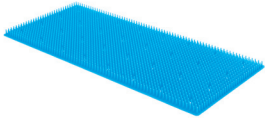
K3-1120
245 x 130 x 70 mm

ALUMINIUM BASKET (with lid)



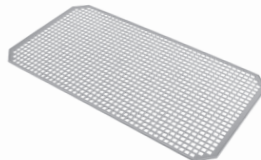
K3-1121
245 x 130 x 105 mm

SILICONE MAT



K2-526
520 x 230 mm
K2-528
475 x 230 mm

SILICONE MESH MAT



K2-531
485 x 250 mm
K2-533
534 x 247 mm

SILICONE HANDLE



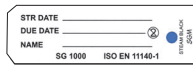
K2-710
K2-711
K2-712
K2-713
K2-714
K2-715

IDENTIFICATION LABELS (aluminium)



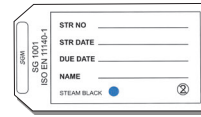
K2-700
K2-701
K2-702
K2-703
K2-704
K2-705

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

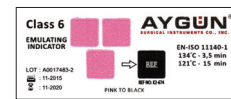
(-)

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.



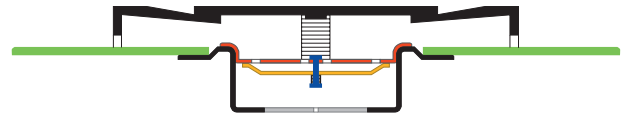
LABEL HOLDER
K2-716
50 x 35 x 13 mm
Holder for identification labels

(-)

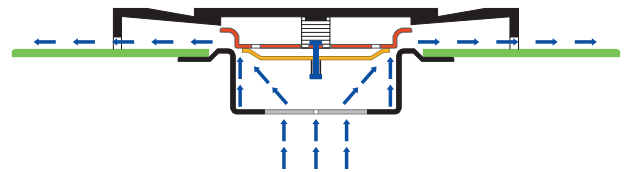


The Barrier Model is a mechanical filtering systems. The valves of Barrier Model Systems have three different positions during sterilization cycles such as relax position, before sterilization and after sterilization position. It can be used at least 5000 sterilization cycle.

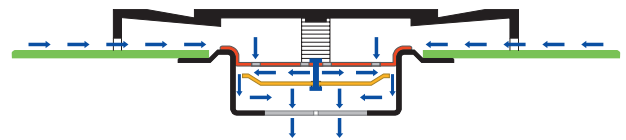
1 Before sterilization cycle the valves of the Barrier Model Container are closed and in relax position.



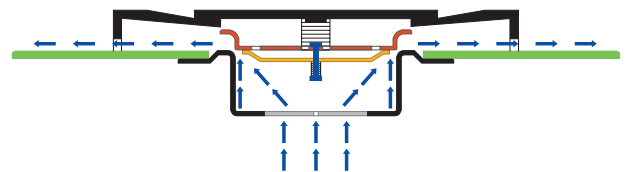
2 At the beginning of the sterilization cycle, by the effect of vacuum the valves are opened completely and dry air goes out of the container.



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.

