

AYGUN®

SURGICAL INSTRUMENTS CO., INC.

STERILE CONTAINER SYSTEMS



meeting point for surgery...



Container Catalogue (edition 9)



AYGUN®

SURGICAL INSTRUMENTS CO., INC.

**STERILE
CONTAINER
SYSTEMS**



**SURGICAL
MOTOR
SYSTEMS**



**MEDICAL
ILLUMINATION
SYSTEMS**



**DISPOSABLE
STERILE
PRODUCTS**



meeting point for
surgery...



WHY CONTAINER SYSTEM?

As you know, there are two general methods for the sterilization and protection of surgical instruments: single-use wrap and reusable sterilization container systems.

The main differences between these methods are efficiency and return on investment.

Return on Investment: The single-use wraps seem more economical at first view. They are single-use and disposable. However these medical wastes are 5-10% of the total medical waste streams of hospitals. Furthermore, single-use wraps can tear during the sterilization process because of any reason. In this case, sterilization is performed again and this may cause many delays. The aluminum sterilization containers can be considered as non-economic at first view but the lifetime of them is more than 5 years. When the lifetime is based on, the total cost reduces approximately at a rate of 70-80% more when compared with the cost of single-use wraps and that's why they are more economical choice.

Environmental Awareness: The sterilization containers has a big role for the care that we need to take for our life space which is polluted more day by day. The sterilization containers do not cause any kind of medical waste streams and protect the environment.

Efficiency: You do not face with any tearing and containerization is a more effective method for the sterilization. In terms of following and detecting the sterilization period and result, It increases the efficiency with accessories like automatic lock, indicator window and security seal.

Reliability: They protects the surgical instruments in the maximum level with the help of their hard and sheltered structure.

Ease of Identification: Reaching the information of instruments inside the sterilization container is easier due to the face plate that sterilization containers have in both sides. Moreover they provide ease of identification with the help of different lid color options creating color coding.

Safe Handling: They enable more proper, easier and safer transportation with their ergonomic design and handles.

SIZES

Aygün sterilization container systems, with most general point of view, are separated into 5 different dimension groups as 1/2, 3/4, 1/1, Extra Large and Extra Long models. Additionally we can supply smaller models like Dental and Mini Sterilization Containers.

You can check below table for detailed information.

SIZE	DIMENSION (LENGTH AND WIDTH)	HEIGHTS	ALIMINUM LIDS	PPSU LIDS	BARRIER MODEL LIDS	SAFETY LID
1/1 FULL SIZE	580 MM X 280 MM	110/135/150/200/260 MM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3/4 QUARTER SIZE	465 MM X 280 MM	110/135/150 MM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1/2 HALF SIZE	285 MM X 280 MM	110/135/150/200/260 MM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
EXTRA LARGE SIZE	590 MM X 370 MM	120/185 MM	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
EXTRA LONG SIZE	710 MM X 280 MM	140/205 MM	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
LARGE DENTAL	365 MM X 250 MM	115/135/150 MM	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
DENTAL	320 MM X 190 MM	55/70/135 MM	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
1/2 DENTAL	222 MM X 166 MM	63/100/130 MM	<input checked="" type="checkbox"/>			
MINI	320 MM X 140 MM	45/70/100 MM	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
FLAT	285 MM X 280 MM	75/90 MM	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ENDO MODEL	535 MM X 160 MM	75/100 MM	<input checked="" type="checkbox"/>			
IMPLANT	300 MM X 150 MM 500 MM X 170 MM	75 MM	<input checked="" type="checkbox"/>			
MINI IMPLANT	160 MM X 70 MM 200 MM X 145 MM	60 MM	<input checked="" type="checkbox"/>			
SCOPY	260 MM X 70 MM 460 MM X 80 MM	60 MM	<input checked="" type="checkbox"/>			
BRUSH	285 MM X 280 MM	60 MM	<input checked="" type="checkbox"/>			

STERILE CONTAINER SYSTEMS

Aygün manufactures sterilization container systems in medical industry since 1988 and release the quality that takes human health under best protection. Aygün sterilization container systems are made of special alloy - 2mm high quality raw material and serviced to the whole world as 7 different models and colors coding easy distinctiveness. The single block label holders on both sides of the containers also serve for that purpose while carrying handles having 90° mobility and ergonomic design provide easy and secure carrying facilities and the gasket inside the lid ensures perfect tightness.

All Aygün sterilization container systems are designed for perfect steam penetration, traceability, safety and stability. The locking mechanisms secure excellent grip and ensure up and down movement of the lids under steam pressure during the sterilization.

Besides providing a greener alternative to wrapping method, Aygün sterilization container systems also generate a great return on investment. Aygün meets needs of the market and preferred by many users all over the world because of its high quality, reasonable prices and variety of products that appeal to every user.

MODELS

Aygün does not ignore the user habits and ease of use and provides many different models, filtering systems and sizes.



STANDART MODEL



BIO-BARRIER MODEL



PPSU MODEL



B3 MODEL



PLASMA MODEL



WINDOW MODEL



A1 MODEL



SAFE MODEL

- * All bottoms and lids are suitable with each other in all models except window model sterilization containers.
- * Each model has distinctive characteristics.
- * In order to get information about the models, please check pre-start part of related product model in following sections.

For Standard Model, please see page 29 in edition 9 Container Catalogue.
For Bio-Barrier Model, please see page 63 in edition 9 Container Catalogue.
For PPSU Model, please see page 97 in edition 9 Container Catalogue.
For Window Model, please see page 119 in edition 9 Container Catalogue.
For B3 Model, please see page 139 in edition 9 Container Catalogue.
For Plasma Model, please see page 173 in edition 9 Container Catalogue.
For A1 Model, please see page 185 in edition 9 Container Catalogue.

Container system for sterilization...

A greener alternative to wrapping method in sterilization,



DENTAL, MINI, SPECIAL MODEL

- Large Dental Model
- Dental Model
- 1/2 Dental Model
- Mini Model
- Flat Model
- Endo Model
- Implant Model
- Scopy Model
- Brush Model

For Dental, Mini, Special model
please see page 205 in
edition 9 Container Catalogue.



BASKETS

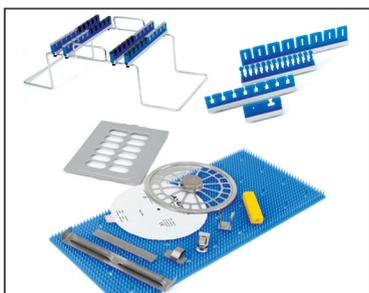
- Basket Made From Stainless Steel Wire Mesh
- Wire Basket With Perforated Metal Plate
- Basket Made From Stainless Steel Sheet
- Dental Basket & Trays
- Dental, Mini Baskets
- Small Fine Mesh Baskets With Lid
- Laundry Baskets
- Drape
- Endoscope Baskets
- Aluminium Basket, With Lid
- Washer Tube for K-WIRES

For Baskets, please see page 223 in
edition 9 Container Catalogue.



Window For Emulating Indicator / Modular Auto Lock Mechanism

For Emulating indicator & Auto Lock Mechanism,
please see page 243 in edition 9 Container Catalogue.



ACCESSORIES

- Labels - Security Seals - Handles - Filters
- Silicone Mats
- Sterilization Racks
- Silicone Fixation System
- Fixation Clamps & Divider
- Trolleys
- Goods Compatibility Table

For Accessories, please see page 251 in
edition 9 Container Catalogue.



PPSU TRAYS FOR SET ORGANIZATION

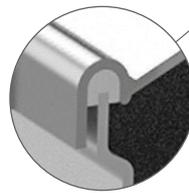


PPSU
It has a high heat distortion temperature up to 190° C and can be easily
sterilized by superheated steam.

For PPSU Trays, please see page 118 in edition 9 Container Catalogue.

Special lid design for stackability!

Optional OEM marking possibility!



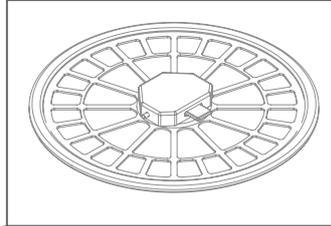
Internal gasket of the lid assures safe seal of the container.

- No extra cost for OEM marking!
- No extra cost for label marking!
- 6 different color for lid, labels and silicone handle options!

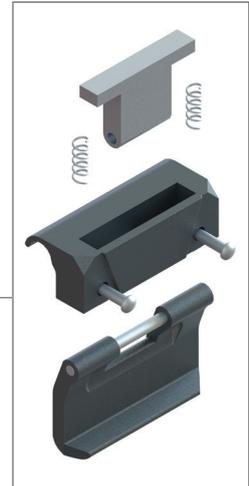
Corrosion resistant lid and bottom
made of 2 mm high quality special
alloy aluminium!

Container system for sterilization...

A greener alternative to wrapping method in sterilization,



Sealed filter retainers having 2 springs inside and pre-tensioning feature enable fast, easy and secure change of the filters by seating solidly on the surface.



Locking mechanism ensures better grip with its flexible design structure including 2 springs inside and performing "single-step" movement.



Face plates on both sides of the container are made of one single piece!

Emulating indicator window placed inside the container provides visual control without opening the lid after sterilization.

Heat sensitive modular auto lock mechanism offers safer result for sterilization process.

Identification labels can be marked with up to 18 - 24 letters.

Wide, special design, silicone coated handles let easy and safe handling of the container and avoids hand injuries.

STERILE CONTAINER SYSTEMS
 STANDARD MODEL



Aygün standard model container systems are designed for perfect steam flow and penetration for loads suitable to the standards and can be used with single use paper filter or reusable PTFE Teflon filters. The standard model sterilization containers are equipped with silicone coated carrying handles which have 90° mobility and its ergonomic design provides easy and secure carrying facilities. The gaskets inside the lid and filter retainer ensure perfect tightness while locking mechanism of this system provides excellent grip with its flexible structure.

Aygün standard model sterilization container systems are manufactured as five different length, width and height and can be supplied with perforated or non-perforated boxes, perforated lids and safety lids for effective external protection. These safety lids do not interfere with sterilization and they provides protection to the perforated lid and the filter system against hard objects, 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.

Container system for sterilization...

A greener alternative to wrapping method in sterilization,

STERILE CONTAINER SYSTEMS BIO-BARRIER MODEL



1/1 FULL SIZE



3/4 QUARTER SIZE



1/2 HALF SIZE



EXTRA LARGE SIZE

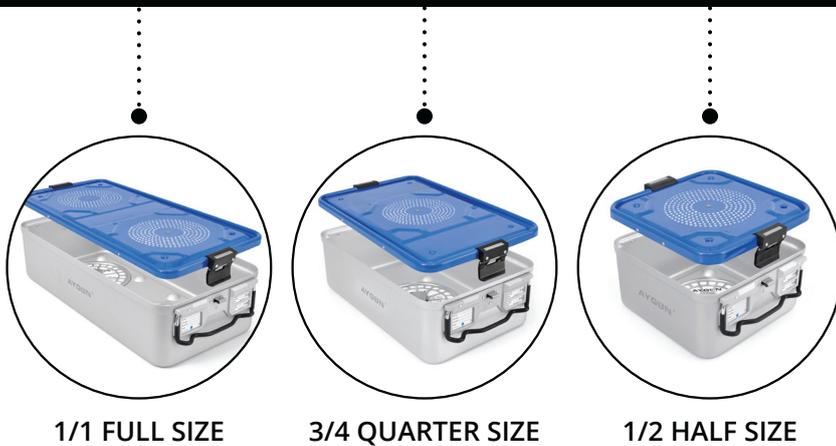


EXTRA LONG SIZE

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
PPSU MODEL



Polymer PPSU lids are;

- ✓ High Quality
- ✓ Lighter
- ✓ Six Different Colors + Transparent Option

And resistant against;

- ✓ Impact
- ✓ Scratch
- ✓ Deformation
- ✓ Discoloration
- ✓ Heat
- ✓ Chemical



Pay attention to;

- ✓ Solvents such as acetone, thinner, and gas should not be used.
- ✓ Distilled water or water without mineral should be used for the last rinsing procedure.

Aygün PPSU model sterilization container systems are structured with aluminum boxes and High Performance Polymer Lids. PPSU model sterilization container systems are resistant against high temperature (up to 190°C), impacts, scratches, deformation, discoloration and chemicals. The PPSU model lids are lighter compared to aluminum lids. As an addition to basic six different colors, these sterilization container systems are also available with transparent lid option that provides the users see inside the container without opening the lid.

Aygün PPSU model sterilization container systems can be used with single use paper filter or reusable PTFE Teflon filters. It can also be manufactured with Bio-Barrier or Bio-Stop model.

Aygün PPSU model sterilization container systems are manufactured as five different length, width and height. 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.

Container system for sterilization...

A greener alternative to wrapping method in sterilization,

STERILE CONTAINER SYSTEMS WINDOW MODEL



1/1 FULL SIZE



3/4 QUARTER SIZE



1/2 HALF SIZE

Aygün window model sterilization container system is one of its patented products. What makes this model different from the others is the window on the lid which its name comes from. This window of made of high performance PPSU transparent material which is resistant against high temperature, impacts, scratches, deformation, discoloration and chemicals and it opens users a way to visually check inside of the sterilization container without opening the lid. The window model lids assures great tightness due to its special assembly method and the gasket system in it.

As there is no filtering mechanism on the lid, window model sterilization container boxes strictly must be bottom perforated. Either single use paper or 2000 cycles PTFE Teflon Filters can be used in the box. In order to allow the air flow and reach to perfect steam penetration the filtering mechanism of this model must have enough space. For that purpose, this sterilization container model is supplied with a wire base inside the container as standard. Except for this container model, all Aygün boxes and lids are compatible with each other.

Aygün window model sterilization container systems are manufactured as five different length, width and height. 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
B3 MODEL



1/1 FULL SIZE

3/4 QUARTER SIZE

1/2 HALF SIZE

EXTRA LARGE SIZE

EXTRA LONG SIZE

Aygün B3 model sterilization container systems are designed to provide different filtering mechanisms in a single sterilization container according to user preference. Without buying a new lid, the users are able to change the filtering system on the lid. Aygün B3 model sterilization container systems can be used with 3 different filtering mechanisms.

PTFE system: This filtering mechanism is used with 2000 cycles PTFE Teflon Filter which can be changed by the user easily like in standard model filter-based sterilization containers. The filter used in this system is provided only by Aygün which is placed in a cassette.

Valve system: Valve system is modernized new model of Aygün Bio-Barrier systems and has the same running principal. This system works with mechanic valve with positive and negative pressure occurred during sterilization in autoclave and can be used minimum 5000 cycles.

Bio-Stop system: The Bio-Stop system is a flow inhibition system based on a principle discovered by Louis Pasteur. With a separation efficiency of 99.99 %, it offers significantly better protection against microbes and particles. This system can be used minimum 5000 cycles.

Aygün B3 model sterilization container systems are manufactured as five different length, width and height. 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.

Container system for sterilization...

A greener alternative to wrapping method in sterilization,

STERILE CONTAINER SYSTEMS PLASMA MODEL



1/1 FULL SIZE



3/4 QUARTER SIZE



1/2 HALF SIZE



DENTAL MODEL



Mini MODEL



1/2 DENTAL MODEL



ENDO MODEL

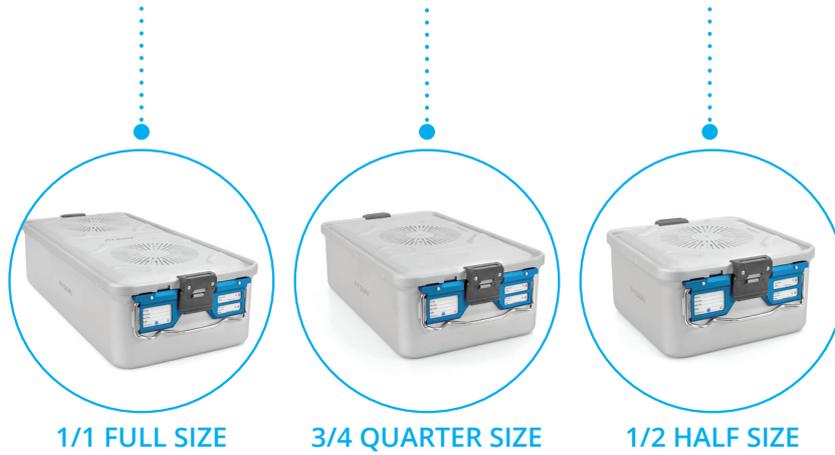


TRAY LAPAROSCOPY

Aygün plasma model container systems are designed for both steam and plasma sterilization (destroying the microorganisms by free radicals). The suitable accessories like paper filter for steam or polypropylene filter for plasma must be chosen by the user according to the need. The plasma model containers are equipped with carrying handles which have 90° mobility and its ergonomic design provides easy and secure carrying facilities. The gaskets inside the lid and filter retainer ensure perfect tightness while locking mechanism of this system provides excellent grip with its flexible structure.

Aygün plasma model sterilization container systems are manufactured with different length, width and height and can be supplied with perforated bottom and lids. All models and sizes have specific baskets and accessories which can be viewed in following parts.

STERILE CONTAINER SYSTEMS
A1 MODEL



Aygün A1 model sterilization container systems basically have similar features with standard model sterilization container systems. It has been designed by restricting some features of standard model which will not risk any of sterilization necessities. When compared to standard model sterilization container systems there is no colorful lid option in this model and coloring parts are carried out to label plates. It can be supplied with five main colors except for black. Moreover the handles of this model are not silicone coated and this model cannot be supplied with perforated boxes and more than 200 mm deep boxes. Instead in order to increase its competition power, the filter retainer of this sterilization container model is made of aluminum. Similar to other models, Aygün A1 model sterilization container systems are manufactured as three different length, width and height. All models and sizes have specific baskets and accessories which can be viewed in following parts.

Custom Made Product

We perform our customers' special production requests in a manner that does not violate international patent and intellectual property rights. In this way, we increase the flexibility and competitiveness of our valued customers.



We move our customers one step further; All of our products are branded and supplied with our company logo or your company logo by laser marking according to your request, depending on the OEM agreement.

Our products are marked, signed, numbered as free of charge and adjusted according to your company's requirement. The products which are marked according to your company's requirement establish a strong, permanent bond in traceability and in receiving feedback between your company and your customers.

AYGÜN®

SURGICAL INSTRUMENTS CO., INC.

**STERILE
CONTAINER
SYSTEMS**

**SURGICAL
MOTOR
SYSTEMS**

**MEDICAL
ILLUMINATION
SYSTEMS**

**DISPOSABLE
STERILE
PRODUCTS**

AYGÜN, one of the leading establishments of Turkey in the field of Medical Industry, was founded in 1988.

It manufactures Container Systems for sterilization, Surgical Motor Systems, Medical Illumination Systems and Single Use Medical Systems in its facility at Samsun Central Organized Industrial Zone.

AYGÜN meets the needs of significant part of Turkey as a result of its continuous R&D works and the capacity increasing. It manufactures its products in international

standards and put them to the world market with a high competitive power. Moreover with its integrated quality management system, it proves that it is a specialized establishment.

Besides being a manufacturer, AYGÜN is also a designer company and with its continuous product development works it increases number of its patents, on the other hand, is contributing career development of rising generation by acting as a school.

[Since 1988 | www.aygun.com]



Organize Sanayi Bölgesi Yaşar Doğu Caddesi No 76
55330 Kutlukent - SAMSUN / TÜRKİYE

T : +90 (362) 266 66 80 F : +90 (362) 266 93 30

