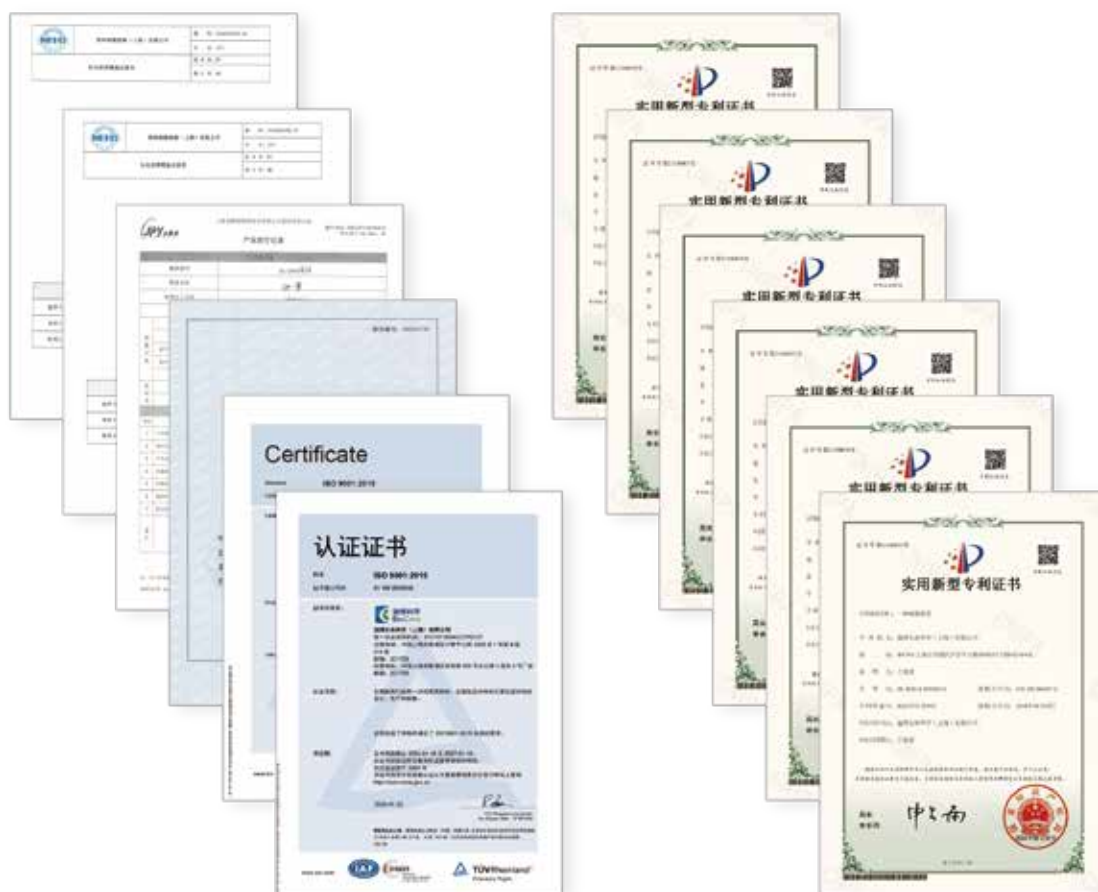


Biocana Lifesciences

Biocana Lifesciences (Shanghai) Co., Ltd, dedicated to the design and development of aseptic packaging systems and providing continuous verification services for pulse sealing technology, the technical team has more than 20 years' experience, is a trusted partner for global biopharmaceutical enterprises.



BioCana® SPS-Steam Sterilization Packaging System (and easy tear bags)

Overview

It is GMP requirements that sterile transport in clean room should be kept sterile across different cleanliness levels. The ultra clean steam sterilization packaging system (bag) is made of TYVEK and HDPE film, can be sterilized by steam, ETO, gamma ray methods, meets the requirements of regulatory regulations for sterile transfer of items in clean areas across different regions.

Key Benefits

- Flexible bag design is easy to manipulate and offers good ergonomics
- High product recovery
- Superior containment improves process integrity and prevents powder from escaping into the workspace
- Vessel contents are clearly visible
- Eliminates the need for cleaning and validation and the associated waste and delay
- Small size for easy of storage

Highlights & Features

- Bag body film meets FDA Class VI requirements
- 100% integrity tested
- Made in ISO Class 5 cleanroom
- Customization sizes are available
- No pyrogen
- Be suitable for various sterilization methods
- High aseptic guarantee performance



Applications

- API
- Rubber stoppers
- Medical device
- Ports & caps
- Vials and containers
- Clean room garment

Order information

S/N	Code	Size (Width mm X Length mm)	Inner (LDPE) packaging (bags/double LDPE bag)	Carton packaging (sales packaging)	
				Inner packages/carton	bags/carton
1	SPS-20P01N	200 X 300	100	10	1000
2	SPS-20P02N	320 X 450	100	5	500
3	SPS-20P03N	400 X 500	100	5	500
4	SPS-20P04N	500 X 650	100	5	500
5	SPS-20001N	800 X 800	50	4	200
6	SPS-20002N	900 X 900	50	4	200
7	SPS-20003N	1000 X 1000	50	2	100
8	SPS-20004N	1200 X 1200	25	4	100

BioCana® APS Single Use Aseptic Antistatic API Transfer/Storage Bag

Overview

The disposable aseptic API transfer/storage bag has the advantages of effectively preventing product contamination, improving product recovery and low cost. It is used in aseptic transfer of API, media, filter components, buffer salts, excipients and other aseptic powder drugs, including from the research and development stage to large-scale production.

Key Benefits

- Flexible bag design is easy to manipulate and offers good ergonomics
- Tri-clamp connectors give broad compatibility and superior process seal to stainless steel or single use receptacles
- High product recovery



Single Use Aseptic Transfer Bag



Single Use Aseptic Antistatic Transfer Bag

Highlights & Features

- Ergonomic handle
- Bag body film meets FDA Class VI requirements
- Standard tri-clamp connectors in 2", 4" or 6"
- 5L to 100L capacities
- Single use / Entirely disposable
- 100% integrity tested
- Made in ISO Class 5 cleanroom
- If need, gamma-irradiated bags are available.

Accessories

- Closures:** tri-clamps, gaskets, caps & plugs to securely close to APS.
- Filling funnels&Liners:** Devices to facilitate filling of an ASP. Liners provide a 100% disposable contact surface, eliminating the need for cleaning and validation, and the associated waste and delay.

Ordering Information

Sizes and packaging QTY of powder transform bag —2" and 3" port

Port size	Bag body volume (L)			
2" and 3"	0.125	2.5	5	15
QTY per carton	20	20	20	20

Sizes and packaging QTY of powder transform bag —4" and 6" port

Port size	Bag body volume (L)				
4" and 6"	2.5	5	15	30	50
QTY per carton	20	20	10	10	10

BioCana® Ultra Clean Antistatic Film/Bags for Pharmaceutical Use

Overview

Packaging powder drugs with ultra-clean antistatic bags is an effective way to maximize product recovery and eliminate potential explosion risks due to static buildup.

Biocana ultra-clean antistatic bags, film extruded with the most advanced extrusion technology in ISO 5 GMP clean room, is a permanent antistatic packaging material.

Key Benefits

- Stable and superb surface resistivity
- Low visible and subvisible contaminants level
- Low bioburden and endotoxin level
- Gamma sterilizable up to 50 kGy
- Pre-sterilized bags available upon request (gamma irradiated at 25-50 kGy, certified)
- ADCF

Highlights & Features

- Manufacturing in ISO Class 5 cleanroom
- The anti-static performance is permanent
- Notification of Change policy prior to change
- Certificate of Conformance with each delivery
- Customer sizes are available

Applications

Biocana antistatic film/bags are most suitable for packaging and/or Gamma sterilization of:

- | | |
|--|------------------------|
| • Active Pharmaceutical Ingredients (APIs) | • Tablets |
| • Pharmaceutical Powders | • Medical devices |
| • Excipients | • Electronics products |

Ordering Information

Please contact Biocana (info@biocana.com) for a customized offer.



Ultra Clean Aseptic Bag
for Pharmaceutical Use



Ultra Clean Aseptic
Antistatic Bag for
Pharmaceutical Use

BioCana® SUS Single Use System for Bioprocess

Overview

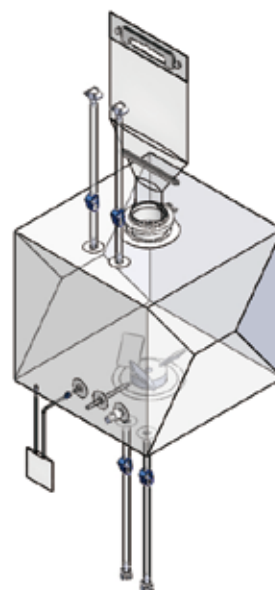
Biocana® provides total solutions for the liquid treatment and storage in bioprocess. Customized sizes are available with various ports for in/out of liquid, for sampling and for various sensors, etc.

Key Benefits

- Cleanliness and simplicity
- Meeting ISO 9001 and GMP requirements
- Film with good physical strength, chemical compatibility, and biocompatibility
- Customized sizes, with various bioprocess types.

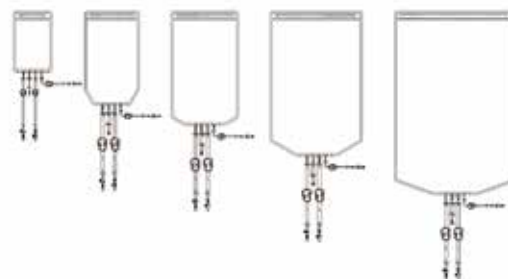
Highlights and features

- Made in ISO Class 5 cleanroom
- Suitable for virtually any storage application
- Standard and customer configurations available
- 100% Integrity tested.



Application

- Cell culture media preparation and storage
- Buffer preparation and storage
- Product harvesting
- Chromatography fraction collection
- Intermediate product storage
- Bulk product storage prior to filling
- Sampling



Ordering Information

Please contact Biocana (info@biocana.com) for a customized offer.

BioCana® Ultra Clean Steam Sterilization Cover (Tyvek1421B)

Overview

Ultra clean steam sterilization covers provide protection for the pharmaceutical process during storage and transportation to avoid environmental pollution. The use of ultra clean steam sterilization covers facilitates steam sterilization for large and irregular equipment and instruments, making it easier to operate, saving time, and ensuring particle control and sterility guarantee.

Highlights & Features

- Tyvek® 1421B used
- Steam sterilization and aseptic assurance performance
- Puncture resistance performance
- Particle and fiber control in accordance with GMP requirements
- Quick drying & Easy to operate
- Customer sizes are available



General size (Elastic band closure)

S/N	Code	For Container Diameter (mm)	
		mini	max
1	SWS-013	44	64
2	SWS-018	64	100
3	SWS-023	100	140
4	SWS-030	140	200
5	SWS-041	200	305
6	SWS-061	305	510
7	SWS-076	510	660
8	SWS-091	660	760
9	SWS-122	760	1020

General size (Drawstring closure)

S/N	Code	Size (Length×Width, mm)
1	SWS-20×100	20×100
2	SWS-40×200	40×200
3	SWS-60×200	60×200
4	SWS-100×50	100×50
5	SWS-200×300	200×300
6	SWS-300×300	300×300
7	SWS-400×500	400×500
8	SWS-500×800	500×800
9	SWS-800×500	800×500
10	SWS-1000×1000	1000×1000

BioCana® Single Use Rapid Aseptic Connect System

Overview

In pharmaceutical field, aseptic connection between different equipment and facilities is an important measure to simplify production processes, enhance production efficiency and ensure product quality. Biocana Lifesciences has developed Single Use Rapid Aseptic Connect System (sterilized by gamma ray), which can achieve rapid aseptic connection between different equipment and facilities.

Highlights & Features

- Manufacturing in ISO Class 5 cleanroom
- Each product double packaged with LDPE Bags and stick label & gamma ray sterilization indicator
- Notification of Change policy prior to change
- Certificate of Conformance with each delivery
- Gamma ray sterilization
- Customer sizes are available (2" , 3" ,4" & 6" ports)

Application

- Aseptic connect between aseptic isolators
- Aseptic connect between aseptic isolator and material feeding system
- Aseptic connect between aseptic isolator and material outgoing system



Ordering Information

Please contact Biocana (info@biocana.com) for a customized offer.

BioCana® PHS Autocontrol Pulse Heat Sealer

Overview

Biocana® autocontrol Pulse Heat Sealer is specially designed for Tyvek/HDPE steam sterilization bag sealing, which has functions of heat sealing and cutting. Biocana® autocontrol pulse heat sealer has the advantages of verifiability, audit trail, meeting GMP requirements.

Key Benefits

- 304 Stainless Steel housing
- Meeting GMP requirement
- Saving process parameter
- Verifiability, audit trail
- Customized Sealing Size, from 450-1200mm

Highlights & Features

- Full digital management (verifiability, audit trail)
- Film roll feeding
- Automatic or manual Cutting
- Pulse Heat Sealing
- Programmable parameters, Including Temperature, Time, Pressure, etc.
- Desktop type, flexibly placed



Sealer Parameters

Power	2KW
Voltage	220V (Customizable)
Sealing size	450mm-1200mm
Dimensions	900 X 450 X 460mm