

SCHÜTZ
INDUSTRIAL PACKAGING

The Future's Technology. Today.

SCHÜTZ ECOBULK | TICKET SERVICE





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A company's level of quality is not merely defined by its products.

All of the transport packaging systems and services from SCHÜTZ are the result of years of experience and close cooperation with customers from around the globe. With this as foundation, we have developed a strategy which guides our actions worldwide and is an expression of the way we see ourselves. A strategy which our staff is working to implement and further develop day in day out. A strategy that focuses on customer satisfaction.

„We offer packaging solutions and services that optimize the total costs in the complete supply chain of our customers“

„In our worldwide production and service network, we manufacture standardized packaging systems that are internationally compatible and globally exchangeable“



„Complete integration of all production processes
and a high level of productivity secure for our customers
**absolute supply security, reliability and
extreme flexibility**“

„We will continue to set the standards with
technology, innovation and our core competence
in metal and plastics processing into the future and
remain the leaders when it comes to **know-how**“

„Our individual service systems **reduce** time and labour
expenditures as well as **costs** for our customers, **create added value,**
and enable you to focus on your core competencies“

security · Innovative Packaging Solutions · Centrally Controlled Quality Management · Worldwide Compatible Products · Individual Service Systems · Global
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**Benefit today from the product innovations
of the next generation.**



Tokyo, Buenos Aires, Paris – transport packaging systems from SCHÜTZ must meet the highest standards everywhere in the world. Companies from the chemical, petrochemical, food and pharmaceutical industries transport several million tons of product in our packaging systems every single day.

They depend upon the special expertise of the internationally leading provider of industrial large-sized packaging systems and a product range that provides the right solution for any problem. All of our products are compatible worldwide; they are exchangeable and optimally tailored to the special needs of every company active on world markets. No matter how different the requirements in the various countries are – **products from SCHÜTZ can be used anywhere without any trouble at all.**

The fundamental principle is as logical as it is sophisticated in its implementation: uniformity. All of the tools, machines and equipment in the production process, not just our packaging itself, are manufactured by SCHÜTZ. Completely integrated production processes ensure the extraordinary quality and performance of our packaging systems and enhance the efficiency of your supply chain.

The result: intelligent logistic tools that continue to meet ever more exacting requirements and provide our customers with even more added value.



There are a lot of reasons to use SCHÜTZ packaging systems. One of the most important ones: it feels right.

You cannot produce quality unless you live it: a company must re-earn this trust again and again. Our **Q**uality **M**anagement **S**ystem has proven itself repeatedly and is one of the most advanced in the world, constantly guaranteeing the same high quality of all of our products worldwide.

Since we produce all of the key components for our products ourselves, we have complete control of the entire process chain. Plus, continuous laboratory and practical tests ensure reliable quality assurance.

To make sure that our quality management works properly around the globe, we have developed a SCHÜTZ standard that includes all of the specifications and is binding for all of our branches worldwide. These specifications and the unconditional compliance with customers' specifications are prerequisites for the extraordinary quality of our products.

Quality tracking – in the know at every single step

Transparency prevents mistakes. That is why every single step in the process, no matter how small, can be traced during the production of our packaging systems. Our barcode system allows us to trace back to the raw material lot for every individual component as well as the materials used and the production procedures applied. At SCHÜTZ, mistakes don't stand a chance.





Focus on the essentials.





Not everything that makes our transport packaging systems so successful comes from our production facilities and workshops. We regard ourselves as a modern company that is both a producer and a service provider which offers added value for all its products in the form of intelligent ideas and a comprehensive service concept.

The most important input here comes from dialogue with our customers. The results are numerous ideas that must satisfy high standards, as our products themselves. Only the best service concepts actually manage to be implemented into practice.

We create polished service tools that keep time and material expenditures, and consequently costs, as low as possible for our customers. And throughout the entire supply chain: from purchasing to processing, to the use of packaging in our own company, to transport and collection.

So our customers can focus fully, without any distractions, on their core competencies. We take care of the packaging.

The only thing simpler than using our products is the decision to do so.

9 Reconditioning
of the used
containers.

8 Collection
Collection by SCHÜTZ
with the worldwide
SCHÜTZ TICKET SERVICE.

*For the same product
quantity, drums must
be opened, inspected
and emptied 5 times.*



7 Emptying
The fixed installation of an outlet
valve allows direct, safe emptying
of 1,000 litres from the ECOBULK.

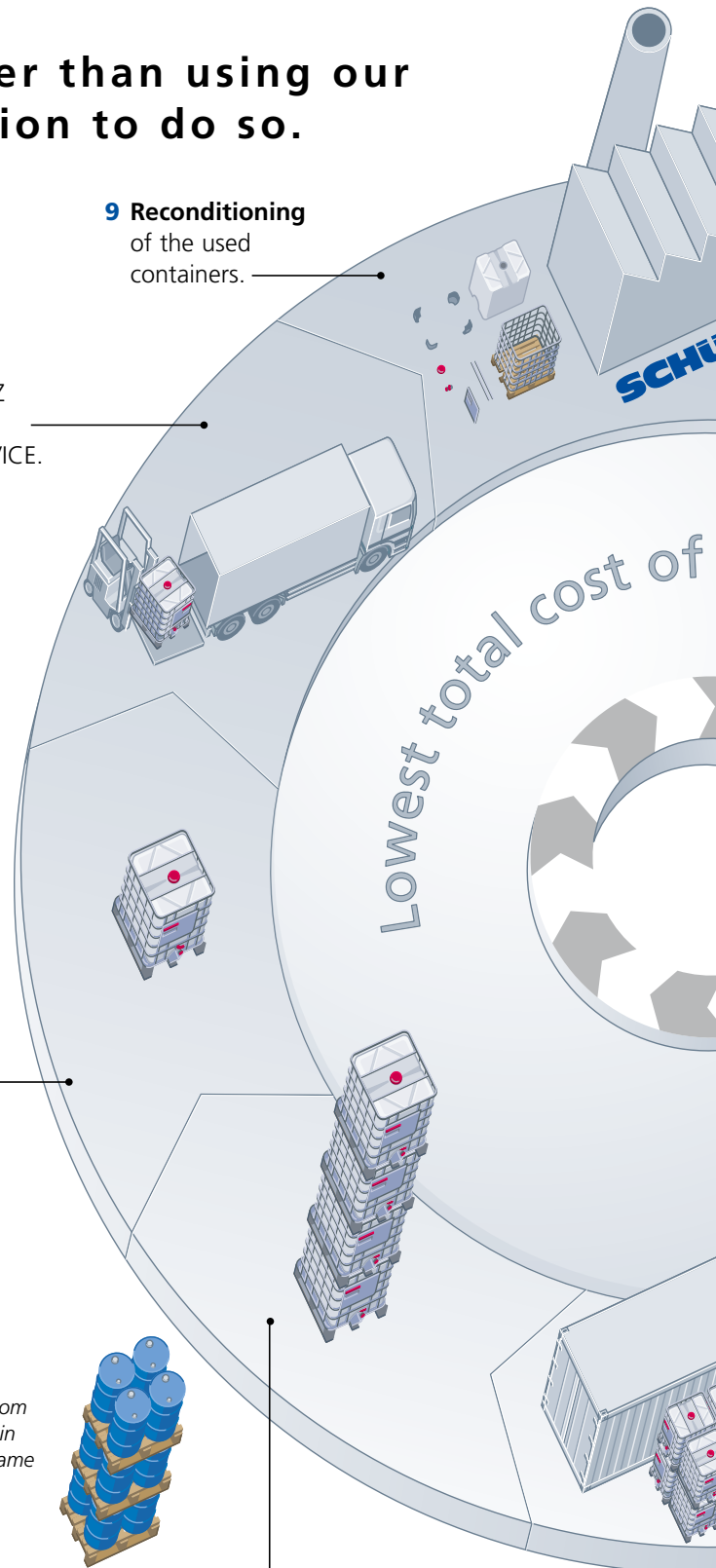
*There is only room
for 2,400 litres in
drums on the same
floor area.*



6 Storage
ECOBULK can be stacked up
to 4 high. So one stack contains
4,000 litres.

*The 20' container,
fully loaded with 80 drums,
holds only 16,000 litres.*

Lowest total cost of

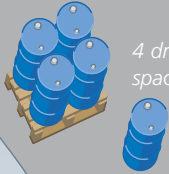


1 Customer consulting

Choice of the most economical packaging solution with Just-in-time production.

2 Delivery

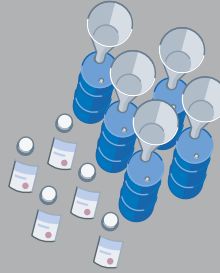
New IBC, individually configured according to your specifications with a filling volume of 1,000 litres.



4 drums taking up the same amount of space hold only 800 litres.

3 Filling

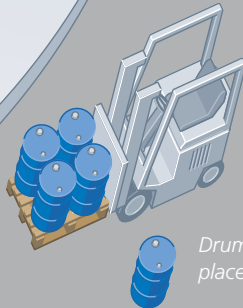
1,000 litres ECOBULK
1x filling
1x closing
1x labelling



Five 200 litre drums
5x filling
5x closing
5x labelling

4 Handling

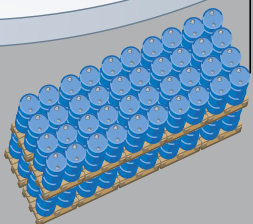
One ECOBULK can be moved as a single unit with pallet.



Drums must be individually placed on a pallet and wrapped.

5 Transport

20 ECOBULK with a content of 20,000 litres utilize the volume of a 20' container with outstanding efficiency.



More than the sum of its parts: the ECOBULK by SCHÜTZ.

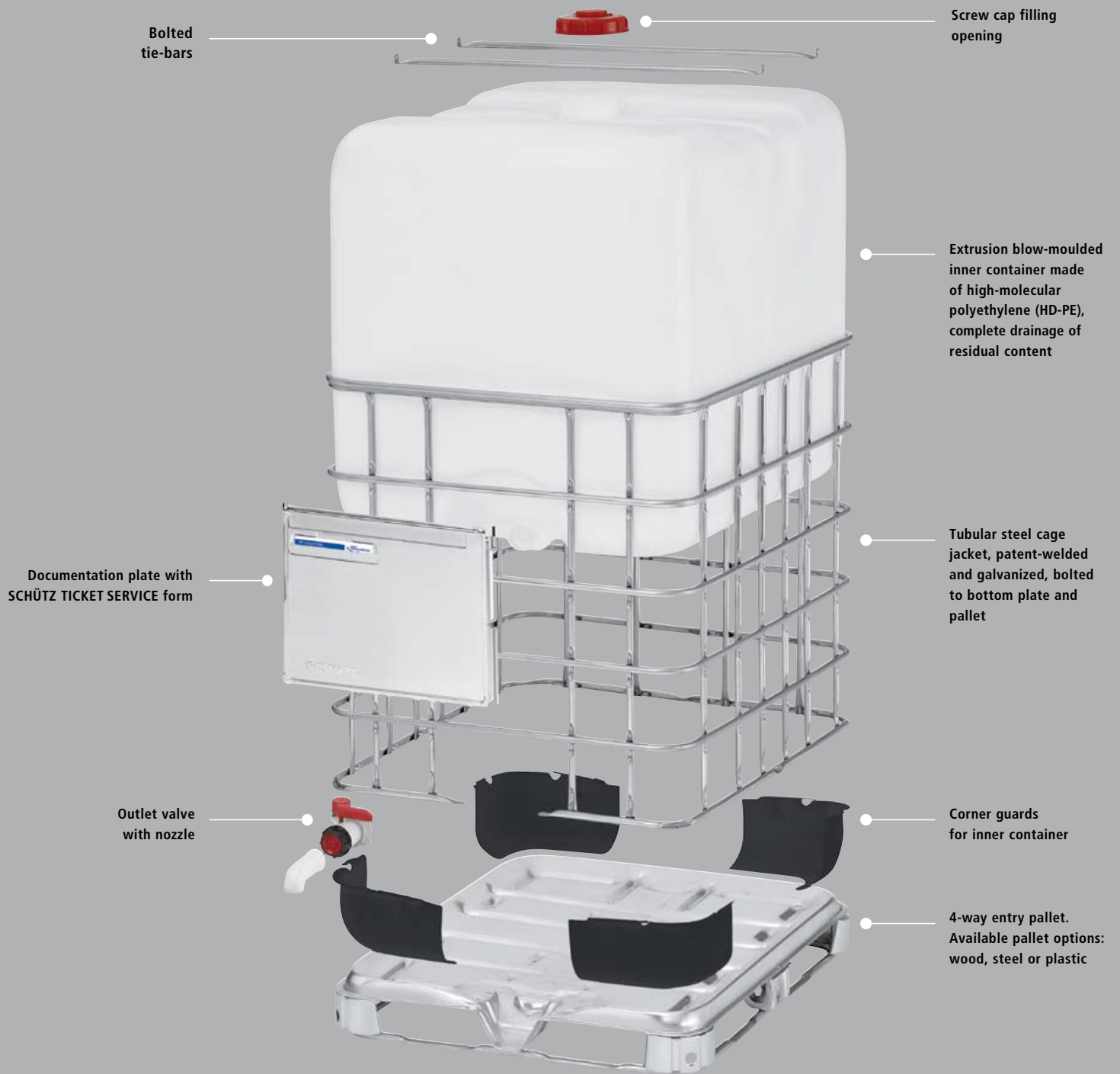
Thanks to its modular design, the lightweight and space-saving ECOBULK by SCHÜTZ can be adapted to meet individual requirements. Due to the uniform design worldwide and the standardized state-of-the-art production technology, SCHÜTZ ECOBULK are available from any one of our sites at any time.

Deciding which IBC is the right one depends on the customer-specific requirements and on the following factors:

- **Filling good**
- **Transport regulations, general legal terms and conditions**
- **Storage**
- **Type of emptying, place of use, handling**
- **Collection / disposal, reconditioning**

Once we have this information, we will be able to recommend a basic specification to satisfy all requirements. The result is the exact ECOBULK that will provide a maximum degree of safety and economy along the entire supply chain. Without any compromises.

SCHÜTZ ECOBULK have been ideally prepared for global multiple usage and are reconditioned using environmentally friendly procedures. The individual parts are simply replaced during reconditioning and are later used in closed materials cycles as secondary materials or disposed of by environmentally friendly means.



Bolted tie-bars

Screw cap filling opening

Extrusion blow-moulded inner container made of high-molecular polyethylene (HD-PE), complete drainage of residual content

Documentation plate with SCHÜTZ TICKET SERVICE form

Tubular steel cage jacket, patent-welded and galvanized, bolted to bottom plate and pallet

Outlet valve with nozzle

Corner guards for inner container

4-way entry pallet. Available pallet options: wood, steel or plastic

**You have requirements.
We have just the right packaging.**



TYPE**DENSITY****CERTIFICATION (optional)****LX**

Maximum density

1.6**Hazardous goods certification**

■ UN 31 HA1/Y

FDA

■ Safe for food products

MX

Maximum density

1.9**Hazardous goods certification**

■ UN 31 HA1/Y

FDA

■ Safe for food products

Certification for ex-zones

■ for zones 1 and 2

SX-EX

Maximum density

1.6**Hazardous goods certification**














■ UN 31 HA1/Y
























FDA

■ Safe for food products

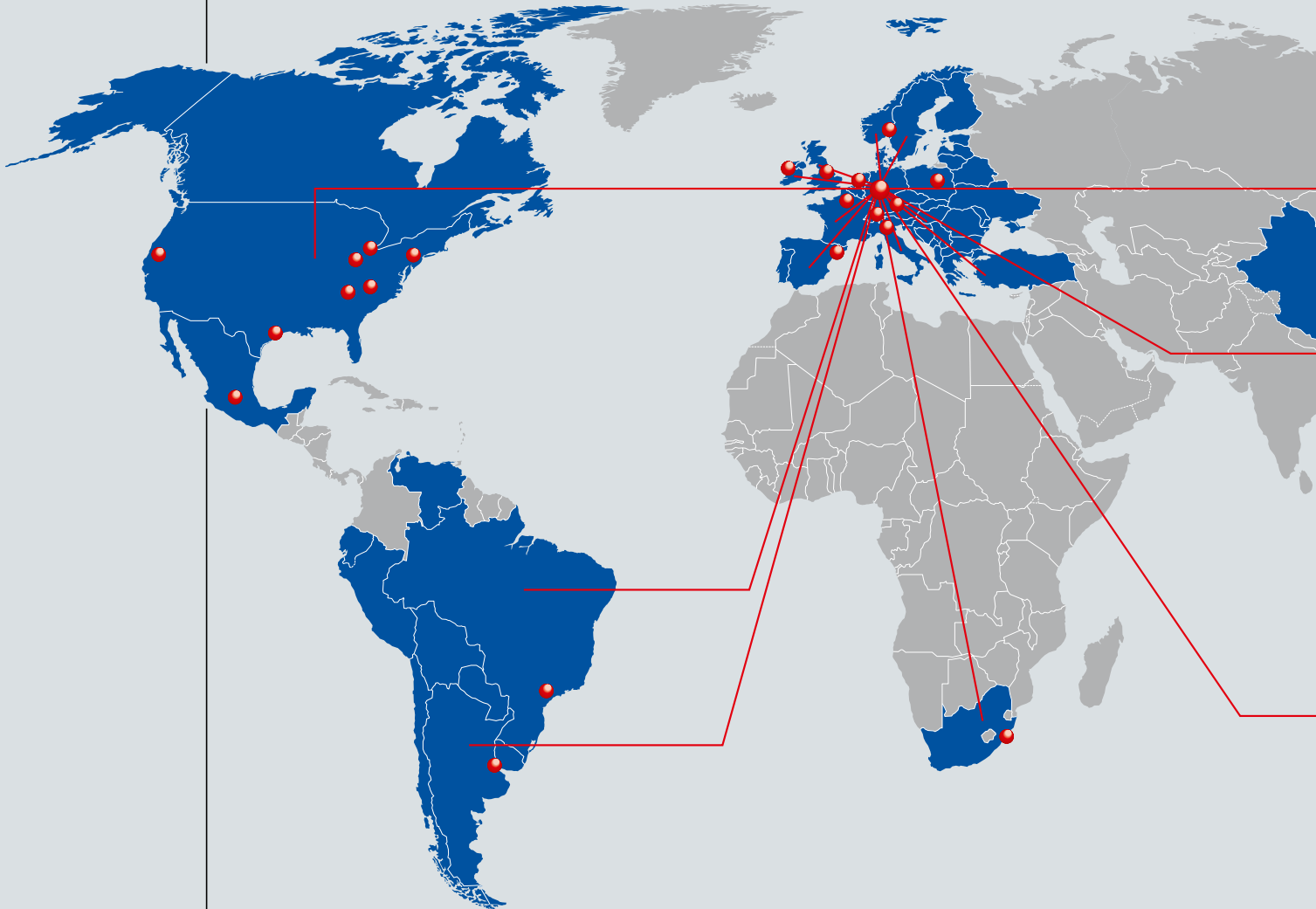
Certification for ex-zones

■ for zones 1 and 2

CAPACITY	STEEL GRID	HDPE INNER CONTAINER
<p>LX 1000 1,000 litres (275 gal) 1,200x1,000x1,160 (LxWxH)</p>	<p>Welded tubular steel grid</p> 	<p>2-layer ■ UV protection (optional)</p> 
<p>MX 640 640 litres (170 gal) 1,200x800x1,000 (LxWxH)</p>  <p>MX 820 820 litres (220 gal) 1,200x1,000x1,000 (LxWxH)</p>  <p>MX 1000 1,000 litres (275 gal) 1,200x1,000x1,160 (LxWxH)</p>  <p>MX 1250 1,250 litres (330 gal) 1,200x1,000x1,350 (LxWxH)</p> 	<p>Welded tubular steel grid</p> 	<p>2-layer ■ UV protection (optional)</p>  <p>SCHUTZ 3 3-layer conductive or antistatic safe outer layer ■ UV protection (optional)</p>  <p>SCHUTZ 6 6-layer EVOH permeation barrier ■ conductive or antistatic safe outer layer (optional) ■ UV protection (optional)</p> 
<p>SX-EX 1000 1,000 litres (275 gal) 1,200x1,000x1,160 (LxWxH)</p>	<p>Welded tubular steel grid with additional steel jacket</p> 	<p>2-layer ■ UV protection (optional)</p>  <p>SCHUTZ 6 6-layer EVOH permeation barrier ■ UV protection (optional)</p> 

FILLING OPENING	OUTLET VALVE	PALLET
<p>DN 150 S 165 x 7 AG</p>  <p>DN 225 S 245 x 6 AG</p> 	<p>Integrated butterfly valve DN 50</p> 	<p>without bottom plate, 4-way entry</p> <p>Composite </p>
<p>DN 150 S 165 x 7 AG</p>  <p>DN 225 S 245 x 6 AG</p>  <p>DN 400 with clamp-ring lid</p> 	<p>Integrated butterfly valve DN 50</p>  <p>Screwable ball valve DN 50</p>  <p>Screwable butterfly valve DN 50</p>  <p>DN 80</p>  <p>DN 150</p> 	<p>with integrated bottom plate 4-way entry</p> <p>Steel frame </p> <p>Steel skid </p> <p>Plastic skid </p> <p>Full-plastic skid </p>
<p>DN 150 S 165 x 7 AG</p>  <p>DN 225 S 245 x 6 AG</p> 	<p>Earthed integrated butterfly valve DN 50</p>  <p>Earthed screwable butterfly valve DN 50</p>  <p>DN 80</p> 	<p>with integrated bottom plate 4-way entry</p> <p>Steel frame </p> <p>Steel skid </p>

Customer proximity at SCHÜTZ can be taken both literally and metaphorically.





As a global player, you will find us everywhere our customers are located. Today we have more than 30 production sites in all of the major industrial countries. We offer our international clientele a standardized product range that provides a significant added value and is available and compatible around the world.



Our global standard also demands that our service system satisfies specific requirements. For example, we have created the SCHÜTZ TICKET SERVICE to handle the collection of emptied IBCs worldwide for our customers. Without any expenditures and with a closed materials cycle.

EUROPE

SCHÜTZ Germany
Selters
SCHÜTZ Benelux
Moerdijk
SCHÜTZ UK
Worksop
SCHÜTZ France
Marcoussis
SCHÜTZ Iberica
Vila-seca
SCHÜTZ Italia
Dello
SCHÜTZ Polska
Warszawa
SCHÜTZ Nordic
Kongsvinger
SCHÜTZ Ireland
Killala

AMERICA

SCHÜTZ USA
North Branch,
New Jersey
Doraville,
Georgia
Perrysburg,
Ohio
Pasadena,
Texas
Lexington,
North Carolina
Plainfield,
Indiana
Fontana,
California
Envases y Laminados
Tultitlan
Mexico
Industrias
Termoplásticas
Argentinas
Buenos Aires
Argentina
SCHÜTZ VASITEX
Guarulhos – São Paulo
Brazil

ASIA / PACIFIC

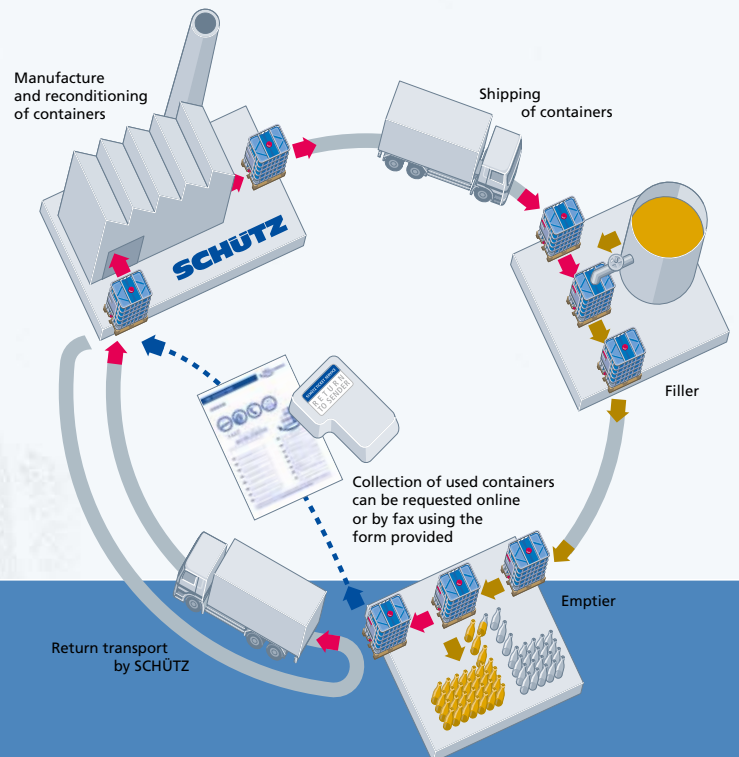
SCHÜTZ Container Systems (China)
Shanghai
Tianjin
SCHÜTZ Container Systems (Japan)
Hiratsuka
SCHÜTZ DSL (Australia)
Fremantle (WA)
Melbourne (VIC)
Brisbane (QLD)
SCHÜTZ Malaysia
Nilai
Clover Chemical
Gyeongsang
Korea

AFRICA

Paradigm Packaging
Pinetown, Kwa-Zulu Natal
South Africa

All around the world and back again: The SCHÜTZ TICKET SERVICE

With the SCHÜTZ TICKET SERVICE, we offer a collection system for used SCHÜTZ IBCs in all of the world's major industrial regions. The service saves end users time and money, helps to preserve natural resources as well as cutting industrial packaging costs all along our customers' supply chain.





Collection order at the touch of a button

Requesting collection of empty ECOBULK containers is quickly and easily done via the Internet portal www.schuetz.net/ticket. End users will find the easy-to-use online form here along with full information about the SCHÜTZ TICKET SERVICE, including the current collection conditions. End users can alternatively request the SCHÜTZ TICKET SERVICE using the convenient fax form that they will find attached to every new ECOBULK.

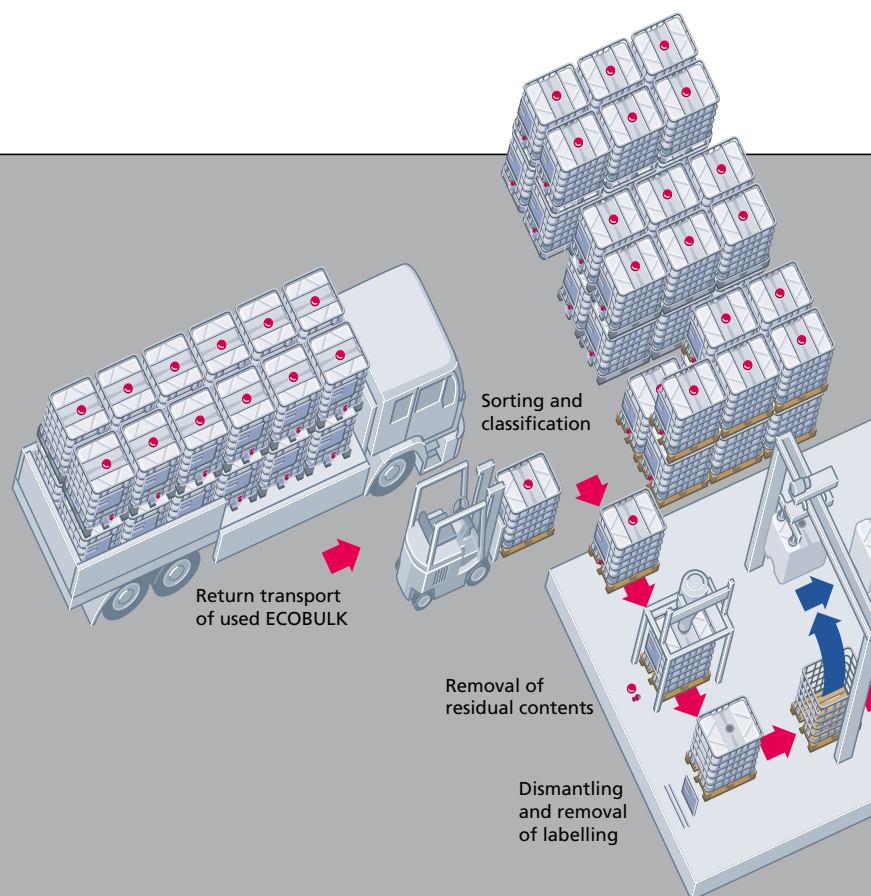


Whether online or by fax – a brief communication is all that's needed for us to set the fast and reliable collection of empty SCHÜTZ IBCs.



We make the best of a used ECOBULK: a new ECOBULK.

During the reconditioning of the transport containers, the parts of the SCHÜTZ ECOBULK that came into contact with the filling goods are replaced with new components and returned to the materials cycle. The models receive a new certification and offer complete product safety.



1

Collection

Order collection online or via fax. The emptied containers are collected by the nearest service point.

2

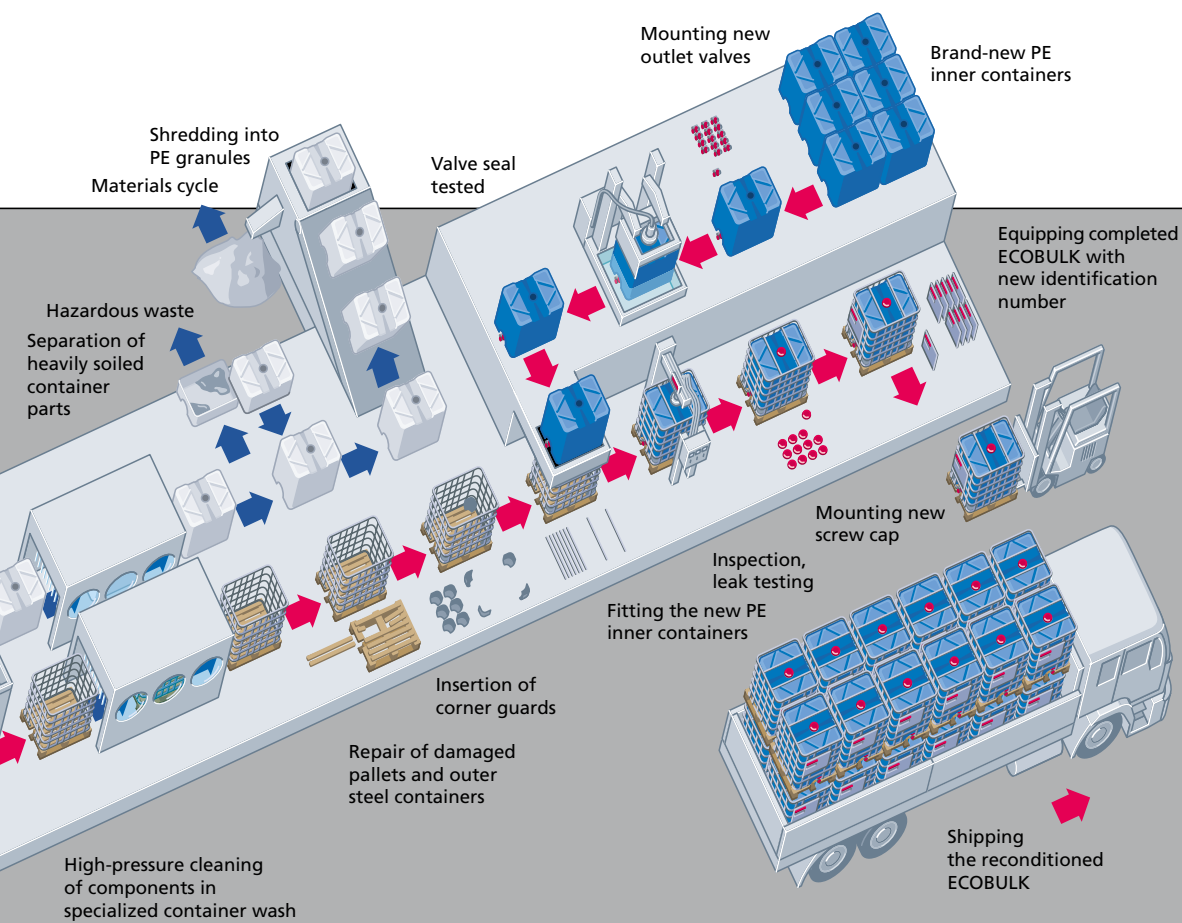
Cleaning

The IBCs are cleaned, the tubular cage jackets and pallets are repaired.

3

Replacing the components

The PE inner container, the outlets and screw caps are replaced with factory-new original components. The removed components are processed into granulate and returned to the materials cycle.



4

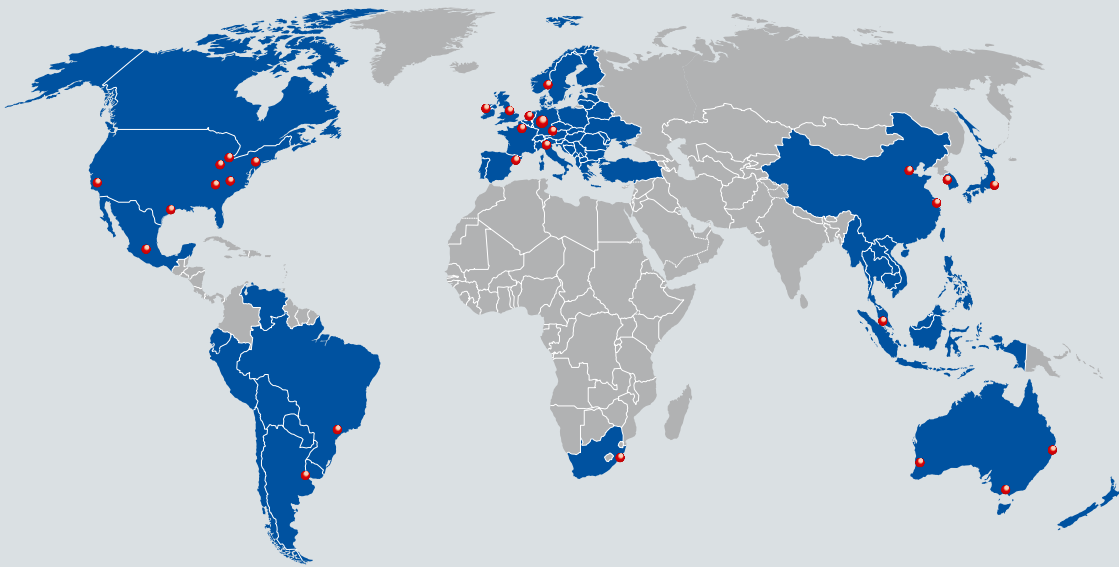
Completion

Corner guards and documentation plates are attached.

5

Certification

The ECOBULK are given a new certification and returned to the cycle.



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