

# Packaging - Specification

## ECOBULK / FOODCERT

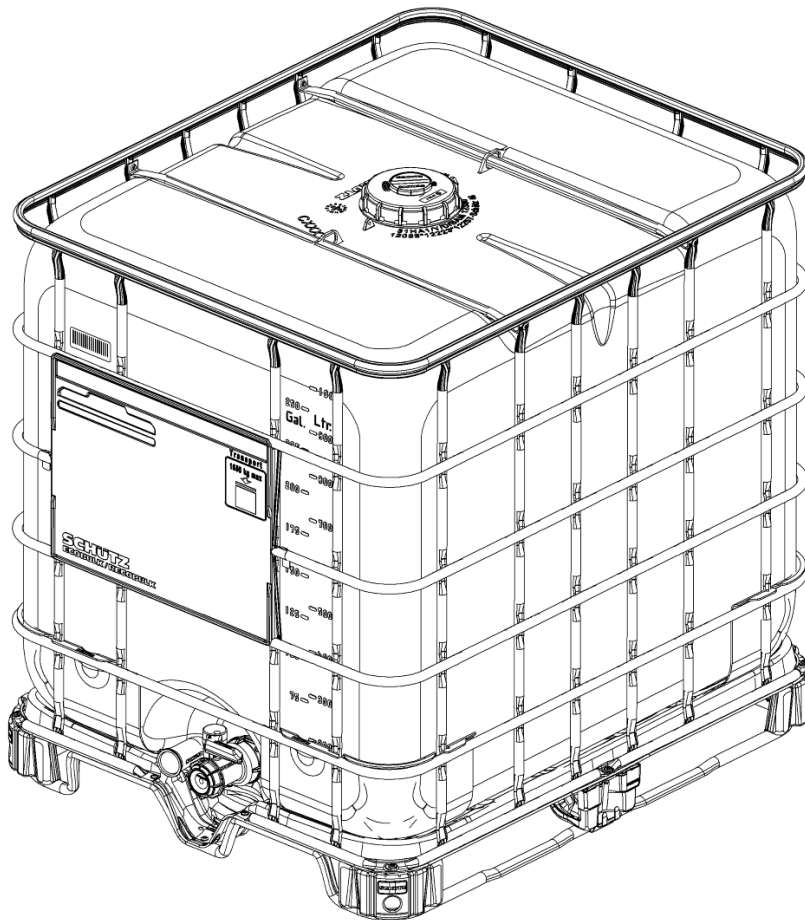
# SCHÜTZ

Transportcontainer ECOBULK 1000 ltr.  
 MX1000 UN Ex FDA-FSSC Nat/150G TF 2"Vent  
 Bfly 50 00 Met 3PCA/Steel skid  
 2-Plt LG:LG/TI

Schütz GmbH & Co. KGaA  
 Schützstrasse 12  
 D-56242 SELTERS / WESTERWALD

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This picture is for illustration purpose only and does not necessarily correspond to the specified product.

### Weights and measures

Nominal Capacity	1.000 l	275 gal US
Brimful Capacity	1.060 l	280 gal US
Length	1.200 mm	47,24 in
Width	1.000 mm	39,37 in
Height with pallet	1.160 mm	45,67 in
Total weight approx.	54,5 kg	120,2 lbs US

### Pallet

Pallet type	Steel-skidpallet, zined
Opening height	min. 90mm, 4-way entry

### Outer container

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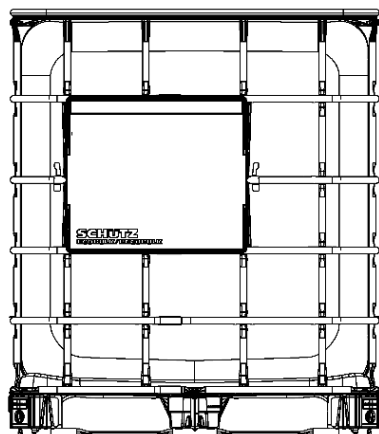
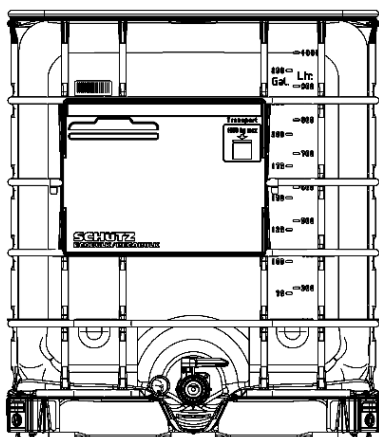
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Grid	Steel, galvanized
Bottom plate	Steel, galvanized
Label plate	large - 6 field, with Schütz-Ticket
additional label plate	back side - standard



### Inner container

Rectangular blow molded tank of high density polyethylene  
 Container PE-HD, natural

### Filling opening

Screw cap DN150 / 6", PE-HD, green  
 O-ring gasket TPE  
 Sealing-cap red



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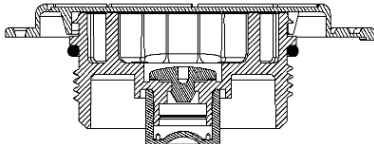
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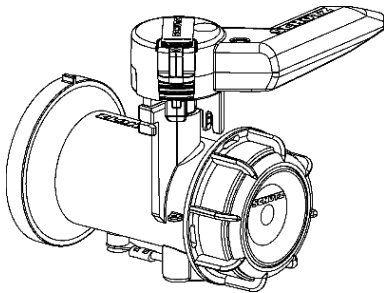
Plug

G2"plug w/vent (Silicone)



### Discharge opening

Outlet valve	integr.butterfly-valve DN50/2"
Case	PE-HD
Connection thread	metric
Flap gasket / Ball gasket	PP
Handle color	green, Handle protection
Screw cap	PE-HD
Screw cap gasket	PE, foamed
Screw cap color	green
Outlet nozzle	PE-HD, packed
Grounding sheet	Stainless steel (V4A)



### Features

#### Certification for EX zones

Certified for EX zones 1 and 2 according IEC TS 60079-32-1 and TRGS 727.

#### UN-Marking

UN\_31HA1/Y/mm yy/D/BAM14977-Schütz#/4056/1723/1060l/54kg/100kPa

#### Directive

Food safety according to FSSC 22000 + declaration of conformity

#### Production

According to the FOODCERT process description (PDF Annexe 1)

#### Heavy metals

Concentration level of heavy metals (Pb, Cd, Cr VI and Hg) in packaging does not exceed 100 ppm

#### Delivery

Ready for filling. The customer or filler is responsible for testing the material compability of the filling material with the packaging

User information:

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By implementing and continually improving extensive preventive programmes, SCHÜTZ strives towards minimising the potential contamination risk for filling material in line with the current state of the art and in accordance with recognised and applicable quality and system standards. In industrial manufacturing, however, the possibility of particles arising cannot be fundamentally and entirely eliminated. Specifically for plastic and steel packaging, unavoidable friction during opening and closing as well as static charging of the packaging contribute to the development of particles and/or the possibility of particles being attracted. Such particles can then also invariably penetrate the packaging interior. With the goal of minimising the risk of particle formation and transmission into packaging, users are recommended – particularly during further processing – to keep packaging closed wherever possible and to keep the number of opening and closing procedures as low as possible. In the case of sensitive filling materials or filling material applications (e.g. for food/pharmaceutical products, paint or electro-chemicals), it is also recommended that the filling material is filtered on removal or prior to further processing.

SCHÜTZ reserves the right to change the construction, technology, design and material of the product or individual components without notice. The dimensions and weights given here are approximate and can vary according to the configuration of the individual components. For other product details and operating information concerning the correct handling of our packaging, please consult our Handling Guide.

According to FSSC 22000, SCHÜTZ wishes to point out that the products are labelled as packaging for food contact in accordance with the internationally valid regulations of Regulations (EC) No. 1935/2004, (EC) No. 10/2011 and those of the "Code of Federal Regulation Title 21 § 177.1520, 177.2600 and 178.3297 of the Food and Drug Administration".

In case local legal regulations require any additional labelling or labelling that differs, it is the responsibility of the CUSTOMER to ensure compliance.

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### Material of components that come into contact with the filling good:

- HDPE, food-safe
- Food-safe seals and dyes
- Free of silicones

### Product:

- FOODCERT label (FSSC+FDA) + design
- Certificate of conformity
  - Migration tests/certificates
- Halal & kosher certification

### Process:

Food Safety System Certification (FSSC) is an internationally recognised standard of the Global Food Safety Initiative (GFSI) that applies throughout the entire supply chain. In the packaging industry, FSSC combines the ISO 22000:2005 and ISO/TS 22002-4 standards, thereby establishing a new standard of food safety which applies to the entire packaging production process.

### Overarching measures

- Annual audit in compliance with FSSC 22000 conducted by Lloyd's Register Quality Assurance (LRQA)
- Annual internal audit programme for ensuring conformity with FSSC
- Annual management review in which the management sets new FSSC measures and targets
- Annual verification programme to ensure that food safety is maintained by qualified personnel, including the duty to produce evidence of conformity with the appropriate European and international legislation
- Appointment of an expert as a food safety consultant
- Appointment of a food safety team with the following duties:
  - Regular, risk-based verification of production processes and products
  - Verification of oPRPs, PRPs and other food-relevant measures (see below)
  - Regular inspections to verify conformity with the current legal requirements
  - Interdisciplinary analysis and documentation of verification results

### Measures in conformity with DIN EN ISO 22000:2005 – management systems for food safety requirements to be met by every organisation in the food chain

- Risk management based on Hazard Analysis and Critical Control Points (HACCP) – principles of risk analysis and ensuring sound production practices with the focus on guaranteeing the safety of foods and consumers
- Change control and continuous improvement process: interactive communication and cooperation between the customer, the competent authorities and SCHÜTZ for customised risk evaluation and needs assessment:
  - Identification, steering and documentation of health issues and clarification of end product requirements in order to eliminate health risks to the end consumer
  - Duty to warn of any potential health risk (if known)
- Traceability system and recall management:
  - Batch traceability of materials back to the raw material supplier, including internal and external process data (e.g. order number, production data, details of delivery to customer)
  - Internal and external process data make the specific recall of individual production batches possible
  - Traceability exercise – regular, realistic traceability test
  - Mock recall – regular, realistic recall test
- Just-in-time production based on individual orders from customers
- Immediate sealing of the IBC with an original cap
- Transfer of the inner bottle straight to final assembly

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- Components (screw caps, valves) specially packed and stored in small quantities prior to assembly
- Visual final inspection
- Storage of finished products under roof

### ***Operational prevention programmes (oPRPs) arising from the internal risk analysis of potential sources of contamination or the spread of health risks***

- oPRP for incoming plastic materials (check on seal and raw material parameter compliance, inspection of the truck/the truck's cleanliness certificate and the driver's PPE)
- oPRP for water bath (regular maintenance of air filters and water change/cleaning of water bath)
- oPRP for blow air (regular maintenance of microfilters, PU seals and compressor)

### ***Prevention programmes (PRPs) and other measures for the production of food packaging in conformity with ISO 22002-4***

- Regular microbiological tests and hygiene monitoring of surfaces in those processes of particular relevance to food (gloves, components that come into contact with products, surfaces of the inner bottle, water bath, room air)
- Food defence - product safety and bioterrorism
  - Regular training and screening with regard to sabotage, vandalism and terrorism
  - Measures: access controls, staff screening, document/data management, safety in warehouses and production units, distribution and transport, reliable inspection of incoming goods, AEO + C-TPAT
- Detailed hygiene regulations for employees (clean gloves and clothing, hairnets, personal hygiene only with approved toiletries, no jewellery, no work permit when sick, work and leisure clothes kept apart in separate locker compartments)
- Detailed hygiene regulations for the production environment (cleaning instructions and rotas)
- Foreign bodies/dust (enclosed production shops, covered areas)
- Glass breakage management (inspections ensure that all glass and hard plastic parts, eg protective coverings, are intact)
- Blade management (inspections ensure that all blades are present and intact)
- Coordinated and reduced maintenance and repair intervals (systems approved for operation following maintenance)
- Comprehensive pest control (monitoring system, fly traps, waste management)
- Chemicals (controlled use of all chemical substances)

**+**

- No water bath inspection\*
- No differential pressure test\*
- Drawing oil removed from steel parts\*
- Additional sealing of screw cap and/or valve\*
- Other accessories individually packed and separately stored\*
- Protective cover for transport\*
- Customer-specific labelling of packaging\*
- Customer-specific delivery instructions\*
- Storage of finished products in sealed rooms\*
- Direct loading\*

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\*optional