

# Combining High-Quality and Safety IBC Systems from SCHÄFER Container Systems



BTA Tank Container



RC Round Container



BSI Silo Container



BSIF Silo Container

- Chemicals and Petrochemicals
- Paints and Lacquers
- Foodstuffs and Aromatic Compounds
- Pharmaceuticals and Cosmetics
- Resins and Sealants
- Additives and Aerosols
- Construction Chemicals
- Waste Disposal



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Container Systems

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500 mL  
± 5%

400

300

600m

КН-Х  
200м

# SCHÄFER: Excellence in Steel

SCHÄFER WERKE is one of three companies, beside SSI SCHÄFER and SCHÄFER SHOP, in the internationally operating SCHÄFER GROUP.

SCHÄFER WERKE GMBH is a modern industrial enterprise which is very successful on the international stage. At four production sites, a workforce of approximately 1,200 works to secure this success, with products geared to needs of the market and the requirements of our customers.

With its six business areas,

- Container Systems
- Heating Technology
- IT Systems
- Equipment and Furnishings
- Perforated Plates
- Steel Service Centre EMW

SCHÄFER has long been synonymous with innovation, quality and first-class performance.

Thanks to their intelligent design and high material strength, SCHÄFER intermediate bulk containers (IBCs) have been granted all international approvals and can be used worldwide for transporting sensitive and dangerous materials.

Particularly in the pharmaceutical, food and chemical industries, the protection of the environment from hazardous pollutants and the protection of the substances in the containers from contamination is of the utmost importance.

With our comprehensive container range, SCHÄFER can provide solutions to meet the highest demands in a range of different fields. Manufactured in non-rusting stainless steel, these IBC containers guarantee long service lives and low follow-up costs. The robust frame provides protection during transport and ensures easy handling. Tested and approved discharge valves and coupling

elements ensure the containers operate safely. Their use in automatic filling and discharge systems improve working speed and operational quality.

The product spectrum covers everything from perfected standard systems, such as tank, round and silo containers (450 – 1,500 l) right up to tailor-made customized solutions and additional equipment for mixing, cooling and heating, as well as special interior coatings and slope angles.

## Product range:

- Tank Containers
- Round Containers
- Silo Containers
- Customized Containers

## Equipment and accessories



Container with individually designed agitator device



Container with dosing device for bulk materials



Container with electric heater



Screwed manhole lid:  
The hinged cover is fastened securely with eyebolts



Impervious and resistant:  
NBR, EPDM, Viton, Silicon or PTFE. The right material guarantees sealing and safety



Closure fittings:  
ball-valves, butterfly-valves, disk or diaphragm-valves and much more. From 1" to 3" in brass or stainless steel



Tension ring manhole lid:  
with hand lever or bolt fasteners for fast opening and closing of the manhole



Various sockets in tank top for filling and draining, as well as safety components for pressure/vacuum release



Safe, fast and easy:  
camlock, tank and dry couplings – the right connector for your system

# BTA Tank Container

Reusable stainless steel container  
for liquids



## Design features

### Tank material:

Stainless steel 304 304L 316 316L 316Ti 321

### Wall thicknesses:

2.0 mm or 2.5 mm for the top, shell and bottom

### Manhole:

DN 400 or DN 457 in the top,  
with screwed cover and eyebolts or tension ring

### Seals:

According to customer requirements and/or application

### Transport frame:

Galvanised or stainless steel, sprayed on request (stackable, suitable handling by crane and all other pallet lifting equipment)

### Equipment:

- Safety-valve (pressure relief at 0.65 bar at the latest) and aeration vents in the top
- Outlet with ball-valve or butterfly-valve and either a tanker coupling, camlock coupling or sealing cap
- Stacking frame, stackable at least 5 high

### Application

Chemicals/petrochemicals, waste disposal/recycling, food industry, paints/lacquers, plant construction

### Approval:

As a metal intermediate bulk container (IBC), code 31A, for land and sea transport of hazardous liquid materials of packaging groups II and III. Max. density of the filling goods is 2.1 kg/l.

The design fulfils the test requirements for IBCs for the transport of dangerous materials contained in the following international standards:

- European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- Regulations concerning the International Carriage of Dangerous Goods by Rail (RID)
- International Maritime Dangerous Goods Code (IMDG Code)
- United Nations Recommendations on the transport of dangerous goods (UN)

### Special designs:

- Model with heater
- Insulation made of mineral fibre mats and permanently elastic sealed cladding of steel or stainless steel
- Agitating device

## Dimensions

Basic size 1215 x 1015 or alternatively 1200 x 1000 mm

Type	Volume (litres)*	Height (mm)
BTA 425	425	970, 1000 <sup>1</sup> , 1050 <sup>2</sup>
BTA 500	500	1050, 1080 <sup>1</sup> , 1130 <sup>2</sup>
BTA 600	600	1120, 1150 <sup>1</sup> , 1200 <sup>2</sup>
BTA 700	700	1220, 1250 <sup>1</sup> , 1300 <sup>2</sup>
BTA 800	800	1320, 1350 <sup>1</sup> , 1400 <sup>2</sup>
BTA 900	900	1420, 1450 <sup>1</sup> , 1500 <sup>2</sup>
BTA 1000	1000	1520, 1550 <sup>1</sup> , 1650 <sup>2</sup>
BTA 1100	1130	1620, 1650 <sup>1</sup>
BTA 1250	1280	1770, 1800 <sup>1</sup>
BTA 1500	1530	2020, 2050 <sup>1</sup>

<sup>1</sup> Raised stacking corners on upper frame

<sup>2</sup> Special stacking frame for raised structures on the top (e.g. fittings), only with size 1200 x 1000 mm

\* Other volumes possible

### Product range:

- Tank Containers
- Round Containers
- Silo Containers
- Customized Containers

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Internet: [www.schaefer-container-systems.de](http://www.schaefer-container-systems.de)

**SCHÄFER**  
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# RC Round Container

Reusable stainless steel container  
for liquids



## Design features

### Tank material:

Stainless steel 304 304L 316 316L 316Ti 321

### Wall thicknesses:

2.0 mm or 2.5 mm for the top, shell and bottom

### Manhole:

DN 400 or DN 457 in the top,  
with screwed cover and eyebolts or tension ring

### Seals:

According to customer requirements and/or application

### Transport frame:

Galvanised or stainless steel, sprayed on request (stackable, suitable handling by crane and all other pallet lifting equipment)

### Equipment:

- Safety-valve (pressure relief at 0.65 bar at the latest) and aeration vents in the top
- Outlet with ball-valve or butterfly-valve and either a tanker coupling, camlock coupling or sealing cap
- Stacking frame, stackable at least 5 high
- Fork openings right through on all four sides

### Application

Chemicals/petrochemicals, waste disposal/recycling, food industry, paints/lacquers, plant construction

### Approval:

As a metal intermediate bulk container (IBC), code 31A, for land and sea transport of hazardous liquid materials of packaging groups II and III. Max. density of the filling goods is 1.9 kg/l.

The design fulfils the test requirements for IBCs for the transport of dangerous materials contained in the following international standards:

- European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- Regulations concerning the International Carriage of Dangerous Goods by Rail (RID)
- International Maritime Dangerous Goods Code (IMDG Code)
- United Nations Recommendations on the transport of dangerous goods (UN)

### Special designs:

- Model with heater
- Insulation made of mineral fibre mats and permanently elastic sealed cladding of steel or stainless steel
- Agitating device

## Dimensions

Basic size 1200 x 1100 mm

Type	Volume (litres)*	Height (mm)
RC 500	497	1100
RC 800	797	1440
RC 1000	1021	1670

\* Other volumes possible

### Product range:

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# BSI Silo Container

Reusable stainless steel container  
for bulk materials





## Design features

### Tank material:

Stainless steel 304 304L 316 316L 316Ti 321

### Wall thicknesses:

2.0 mm or 2.5 mm for the top, shell and hopper

### Manhole:

DN 400 or DN 457 in the top,  
with screwed cover and eyebolts or tension ring

### Hopper:

30°, 45° or 60° angled slopes (other angles possible),  
outlet diameter NW 150 or NW 250

### Seals:

According to customer requirements and/or application

### Transport frame:

Galvanised or stainless steel, sprayed on request (stackable, suitable handling by crane and all other pallet lifting equipment)

### Equipment:

- Aeration and de-aeration vents in the top
- Butterfly-valves, flat slide-valve
- Stacking frame, stackable at least 5 high

### Application

Chemicals/petrochemicals, food industry, construction industry, plant construction

### Approval:

As a metal intermediate bulk container (IBC), code 11A, for land and sea transport of hazardous liquid materials of packaging groups II and III. Max. bulk density of the filling goods is 1.8 kg/l.

The design fulfils the test requirements for IBCs for the transport of dangerous materials contained in the following international standards:

- European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- Regulations concerning the International Carriage of Dangerous Goods by Rail (RID)
- International Maritime Dangerous Goods Code (IMDG Code)
- United Nations Recommendations on the transport of dangerous goods (UN)

### Special designs:

- Model with vibrator to facilitate discharge
- Dosing system

## Dimensions

Basic size 1215 x 1015, height in mm for outlet diameter NW 250

Type	Volume (litres)*	Height (mm)		
		30°	45°	60°
BSI 550	550	1200	1340	1580
BSI 650	650	1300	1440	1680
BSI 800	800	1450	1590	1830
BSI 1000	1000	1650	1790	2030

\* Other volumes possible

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# BSIF Silo Container

Reusable stainless steel container  
for liquids



## Design features

### Tank material:

Stainless steel 304 304L 316 316L 316Ti 321

### Wall thicknesses:

2.0 mm or 2.5 mm for the top, shell and hopper

### Manhole:

DN 400 or DN 457 in the top,  
with screwed cover and eyebolts or tension ring

### Hopper:

30° angled slope (other angles possible), with welded calotte

### Seals:

According to customer requirements and/or application

### Transport frame:

Galvanised or stainless steel, sprayed on request (stackable, suitable handling by crane and all other pallet lifting equipment)

### Equipment:

- Safety-valve (pressure relief at 0.65 bar at the latest) and aeration vents in the top
- Ball-valve or butterfly-valve, disc-valve
- Stacking frame, stackable at least 5 high

### Application

Chemicals/petrochemicals, food industry, construction industry, plant construction

### Approval:

As a metal intermediate bulk container (IBC), code 31A, for land and sea transport of hazardous liquid materials of packaging groups II and III. Max. bulk density of the filling goods is 1.83 kg/l.

The design fulfils the test requirements for IBCs for the transport of dangerous materials contained in the following international standards:

- European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- Regulations concerning the International Carriage of Dangerous Goods by Rail (RID)
- International Maritime Dangerous Goods Code (IMDG Code)
- United Nations Recommendations on the transport of dangerous goods (UN)

## Dimensions

Basic size 1215 x 1015 mm or alternatively 1200 x 1000 mm

Type	Volume (litres)*	Height (mm) 30°
BSIF 465	502	1200
BSIF 550	550	1320, 1350 <sup>1</sup>
BSIF 650	650	1420, 1450 <sup>1</sup>
BSIF 800	800	1570, 1600 <sup>1</sup>
BSIF 900	900	1670, 1700 <sup>1</sup>
BSIF 1000	1000	1770, 1800 <sup>1</sup>

<sup>1</sup> Raised stacking corners on upper frame

\* Other volumes possible

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# Perspectives

Discover new perspectives with SCHÄFER.

By applying the latest in manufacturing technology, SCHÄFER WERKE in Neunkirchen and SCHÄFER SUDEX in Ledec nad Sázavou (Czech Republic) are working today to secure the mutual success of tomorrow.



Head office and production site in  
Neunkirchen-Pfannenberg



Production plant in  
Ledec nad Sázavou

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