



INTERMEDIATE BULK CONTAINER

WERIT





WE'R YOUR SOLUTION PARTNER

Your expert in packaging technology

Being a specialist for plastics processing, we design and manufacture needs-based demanding products for many industries. The tools and moulds required for the production are manufactured and maintained in our own tool shop. Due to our profound know-how, the high depth of manufacturing and an efficient logistics chain, we can call on the necessary flexibility to respond quickly to our customers requests and are a solid partner in many specialist fields.

Intermediate Bulk Container

Canisters

Reusable transport
Packaging

Plastic pallets



INTERMEDIATE BULK CONTAINER

With us, you have the selection from a versatile, modular IBC range with different sizes and capacities for the safe and reliable transport of liquid media. Our combination IBCs fulfil the requirements of many different industries and have been proven and tested in practical use over many years. The product lines with particular industry-related equipment elements offer functional solutions for harmless, dangerous and flammable fluids. The WERIT IBCs with unique design are optimised for reuse and recycling.



Industries

Beverages	Food products	Pet food
Automobile industry, suppliers	Chemical, pharmaceuticals, cosmetics	Logistics



YOUR PRODUCT?

Depending on the properties of the filled product, we have configured the suitable IBC for you.



HAZARDOUS SUBSTANCE – UN

For the transport of hazardous goods, packaging must have the legally stipulated approval. The approved WERIT TOPline IBCs have passed the high test requirements of independent test institutes. The adherence of these particular quality requirements are checked by our quality assurance system at regular intervals and are monitored by the BAM and German TÜV.



FLAMMABLE – EX

Packaging of the filled goods with a flash point <math><61^{\circ}\text{C}</math> require an additional approval. The WERIT IBCs of the POLYex lines are tested by independent test institutes they are approved for use in EX zones 1 and 2. The German TÜV and BAM conduct regular checks on the adherence of the quality criteria.



FOOD PRODUCTS – CERTIFIED

Packaging for the beverage and food industry must fulfil higher demands with regards to cleanliness and hygiene as well as being compliant with food regulations. The IBCs of our NUTRiline series fulfil these requirements and are also secured against contamination and manipulation.



STANDARD – NON-UN

Harmless liquids that are not subject to any particular regulations can be packaged and transported safely and reliably in our ECOLine IBCs.

QUALITY

needs qualification

WERIT products are certified according to special requirements by recognised independent test institutes. With special topics, WERIT accompanies the development of the corresponding standards via the IK industrial representation.

QUALITY MANAGEMENT – MORE THAN JUST A SEAL

The quality of the processes and goods is one of the key competitive factors. In doing so, our consistent focus on customers whose requirements form part of our benchmark is our core aspiration.

As a Corporate Group based in Europe, WERIT applies a consistent certified quality management system. This is not only a mark of quality, it also ensures for efficient and safe results that are reflected across the departments and locations.

FOR A LOG-TERM INCREASE IN EFFICIENCY WHEN USING RESOURCES:

WERIT Kunststoffwerke, with the locations Altenkirchen, Buchholz and Ottendorf in Germany are certified in accordance with the Energy Management System ISO 50001 since 21.08.2014.



Packaging Materials

CERTIFICATED

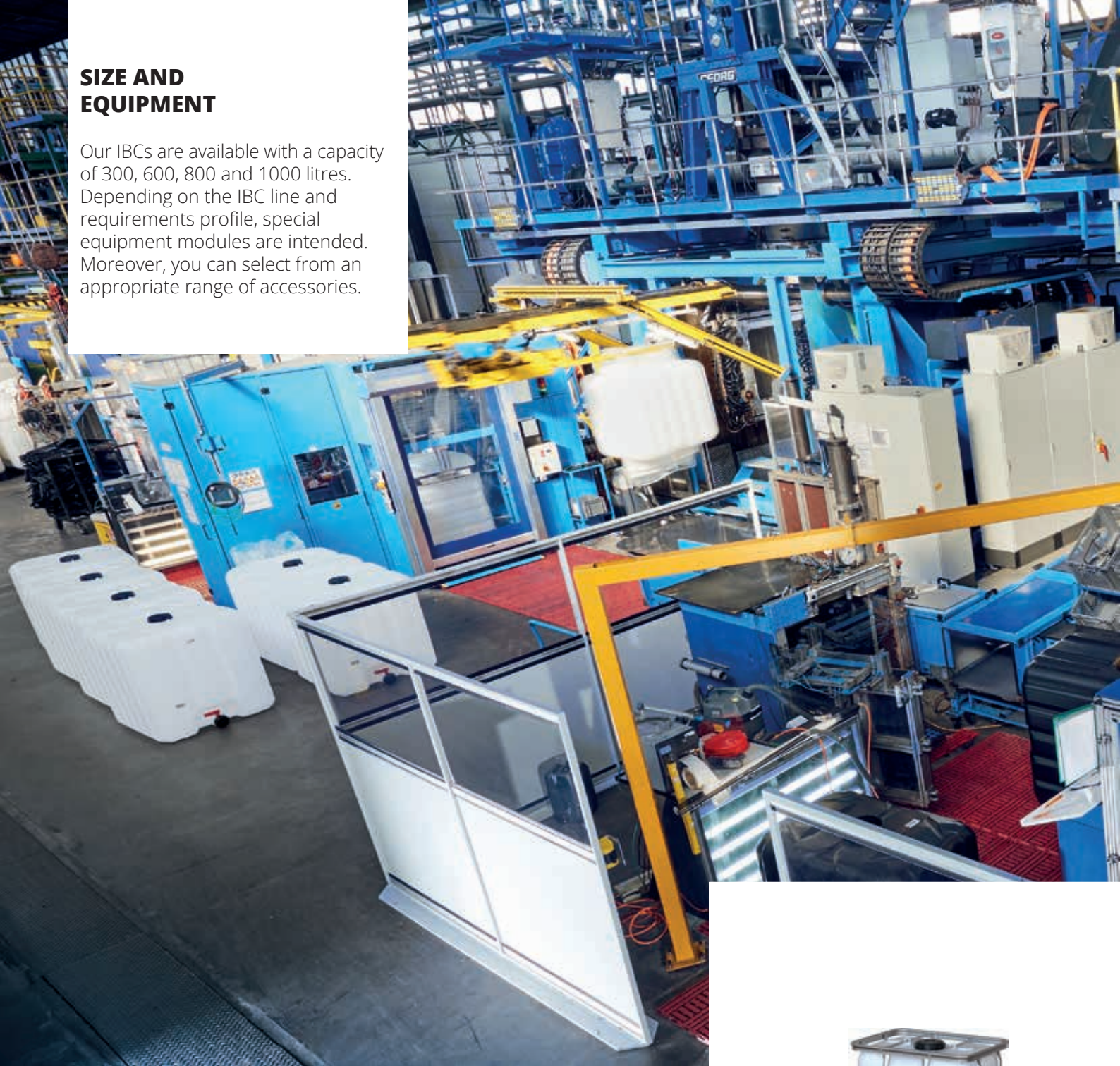
FSSC 22000





SIZE AND EQUIPMENT

Our IBCs are available with a capacity of 300, 600, 800 and 1000 litres. Depending on the IBC line and requirements profile, special equipment modules are intended. Moreover, you can select from an appropriate range of accessories.



EXTRA SMALL, SMALL, MEDIUM, LARGE



300 LITRE

The compact size that represents an easy-to-handle alternative to plastic or steel drums, with all the benefits of an IBC. Suitable for filled goods with short use-by date and for customers that do not need high quantities.



600 LITRE

The preferred medium size with Euro pallet dimension that is preferably used as stage between the usual 1000 litre IBC and a drum.



800 LITRE BASIS AND EURO

The **800 litre basis** has a reduced height and thus offers the possibility to optimally utilise the cargo area in sea containers. The **800 litre Euro** offers an optimised filling volume on the basic dimensions of a Euro pallet (1200 x 800 mm).



1000 LITRE

The conventional IBC size with the basic dimensions of an industry pallet (1200 x 1000 mm).

MODULAR SPECIALISTS

1000 litre

Plastic lid
150 mm, 225 mm, 400 mm

Steel cross-bracing

Inner container made from
UV stabilising HDPE

Fill level scale



Individualisation by
means of stickers
possible

Steel traverses on the pallet

Plastic pallet
Combi pallet
Wooden pallet



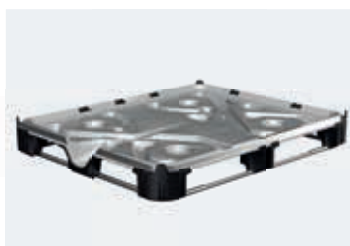
Steel label sign
722 mm x 390 mm (2816 cm²)
Optional:
Back side
722 mm x 350 mm (2527 cm²)
Outer side:
605 mm x 350 mm (2118 cm²)

Valve: DN 50, DN 80

Plastic corner protector
with UN-IBC



Plastic skid pallet
12/10 (1200 x 1000 mm)
also available as **frame pallet**
12/08 (1200 x 800 mm)



Combi pallet with skids
12/10 (1200 x 1000 mm)



Wooden skid pallet (IPPC)
12/10 (1200 x 1000 mm)
also available as **flat pallet**
12/08 (1200 x 800 mm)

ECOLine

NON UN (max. density: 1.6 g/cm³)

ECOLine IBCs are suitable for the transportation of harmless (NON-UN) fluids.

The economic ECOLine IBCs are available in diverse equipment variants and filling openings.



- Wide range of equipment variants
- 400 mm filling opening available
- Optional with inliner

Product	Inner container	Pallets						Valve		Lid		
	Volume Litre	Wood L x W x H	Weight kg	Plastic L x W x H	Weight kg	Combi L x W x H	Weight kg	DN 50	DN 80	DN 150	DN 225	DN 400
ECOLine (NON UN)	600	1200 x 800 x 997	46	1200 x 800 x 1013	42	-	-	●	●	●	●	●
	800	1200 x 1000 x 989	51	1200 x 1000 x 1000	49	-	-	●	-	●	●	-
	1000	1200 x 1000 x 1152	55	1200 x 1000 x 1163	51	1200 x 1000 x 1135	55	●	●	●	●	●



400 mm lid
With clamping ring lid
(see page 24)



Detachable valve



Integrated valve

TOPline

UN (max. density: 1.9 g/cm³)

TOPline IBCs are tested and approved for the transport of hazardous liquids according to UN 31 HA1/Y/D/BAM. The UN marking is applied to the inner container and the labelling sign.



- Approved up to a density of max. 1.9
- Available in all volume sizes
- Particularly robust inner bottle

Product	Inner container	Pallets						Valve		Lid	
	Volume Litre	Wood L x W x H	Weight kg	Plastic L x W x H	Weight kg	Combi L x W x H	Weight kg	DN 50	DN 80	DN 150	DN 225
TOPline (UN)	300*	-	-	600 x 800 x 1000	23	-	-	●	-	●	-
	600	-	-	1200 x 800 x 1013	46	-	-	●	●	●	●
	800 Euro	-	-	1200 x 800 x 1178	51	-	-	●	-	●	-
	800	1200 x 1000 x 1001	54	1200 x 1000 x 1000	53	-	-	●	-	●	-
	1000	1200 x 1000 x 1164	63	1200 x 1000 x 1163	57	1200 x 1000 x 1135	59	●	●	●	●

* max. density: 1,6 g/cm³



UN stamp
UN 31 HA1/Y/D/BAM



Corner protector
Additional protection of the inner container against unintentional retraction of forks

POLYex

EX (max. density: 1.6 g/cm³)

POLYex IBCs are UN tested and approved for the transport of flammable liquids in EX zones 1 and 2.

Now also available for food.



- Conductive multi-layer technology
- Safe against electrostatic ignition hazards according to IEC TS 60079-32-1:2013 and TRGS 727:2016
- Can be used with liquids of explosion group IIA
- Closed conductive valve body
- Product in the inner container without metal contact
- Good visual distinctness to UN and NON-UN IBC

Product	Inner container	Pallets				Valve		Lid	
	Volume Litre	Wood L x W x H	Weight kg	Plastic L x W x H	Weight kg	DN 50	DN 80	DN 150	DN 225
POLYex (EX)	1000	1200 x 1000 x 1164	63	1200 x 1000 x 1163	59	●	●	●	●
POLYex (FDA/Vo 10/2011)	1000	-	-	1200 x 1000 x 1163	59	●	-	●	●



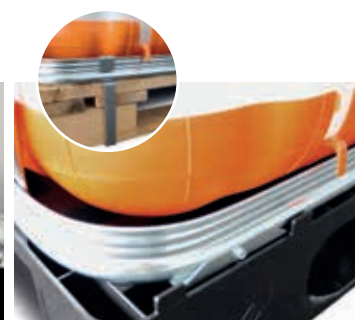
Earthing cable

Integrated conductive draining valve and double-sided bolted earthing cable



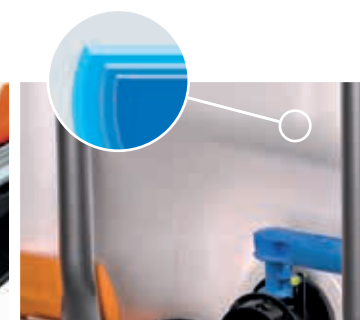
Corner protector

Additional protection of the inner container against unintentional retraction of forks



Pallet earthing

Baffles for direct floor contact



Multi-layer

Several plastic layers – Conductive outer layer

BLUEline

AdBlue® (max. density: 1.6 g/cm³)

BLUEline IBCs are equipped with additional openings or withdrawal systems, amongst others, also for AdBlue®.



- Optionally with integrated CDS or Micromatic withdrawal system
- Optionally without integrated valve
- With PMDS lid (Pressure Management Discharge System) emptying possible without opening the lid
- UN version possible

Product	Inner container	Pallets						Valve			Lid	
	Volume Litre	Wood L x W x H	Weight kg	Plastic L x W x H	Weight kg	Combi L x W x H	Weight kg	with-out	DN 50	DN 80	DN 150	DN 225
BLUEline (AdBlue®)	300	-	-	600 x 800 x 1000	24	-	-	●	●	-	●	-
	600	-	-	1200 x 800 x 1013	48	-	-	●	●	●	●	●
	1000	1200 x 1000 x 1164	63	1200 x 1000 x 1163	58	1200 x 1000 x 1135	60	●	●	●	●	●



CDS withdrawal system
With dip tube



Flange
With tap S 56 x 4



Lid
PMDS



Micromatic
300 IBC

NUTRiline

Food product (max. density: 1.6 g/cm³)

NUTRiline are designed especially for the requirements of the food industry.



- Fulfils the requirements according to FDA/EN 10/2011, Halal, Kosher
- Production according to BRCGS (in UK), FSC 22000, HACCP
- Production of the components from primary raw materials in the clean room
- Valve and lid secured with a seal
- Durable, easy care plastic pallet
- Reduced risk of deposits due to vertical frame structure
- Film hood as protection against soiling during storage and transport
- Also possible as UN version

Product	Inner container	Pallets		Valve*	Lid	
	Volume Litre	Plastic L x W x H	Weight kg	DN 50	DN 150	DN 225
NUTRiline (Food products)	600	1200 x 800 x 1013	42	●	●	●
	800	1200 x 1000 x 1013	50	●	●	-
	1000	1200 x 1000 x 1163	52	●	●	●







- REACH declaration
- Kosher certificate
- Halal certificate
- Food law Declaration of Conformity
- Global Certification for Food Contact (BRCGS in UK)
- FSSC 22000

* Integrated valve

UN version on request



Marking
FDA, VO 10/2011



Valve, sealed
The seal can be removed without using tools



Lid sealed
The seal can be removed without using tools



Film hood
For protection against contamination during storage and transport

NUTRiline^{aseptic}

High viscosity food (max. density: 1.4 g/cm³)

NUTRiline^{aseptic} for highly viscous food and sensitive liquids.

- IBC with flexible inner container (FlexBag)
- Integrated, heat-resistant outlet fitting
- Galvanized, easy to clean tubular steel frame
- Easy to clean plastic pallet without floor touching metal parts
- Ready-to-Fill, no assembly or pre-cleaning
- Optimized for sterile filling and emptying
- Return and reuse via the PackOne Ticket System



Product	Inner container	Pallets		Valve	Elpo connection	AirAssist connection
	Volume Litre	Plastic L x W x H	Weight kg	DN 50		
NUTRiline ^{aseptic} (Food products)	600	1200 x 800 x 1013	36	●	-	●
	1000	1200 x 1000 x 1063	43	●	●	-
	1000	1200 x 1000 x 1063	43	●	-	●



- Kosher certificate
- Food law Declaration of Conformity



Radiation sterilised inliner
With oxygen barrier and UV protection



TopFill
With Elpo connection for low viscosity products (< 6000 mpas)



AirAssist
With air-assisted discharge for highly viscous products (> 8000 mpas)

FILLING



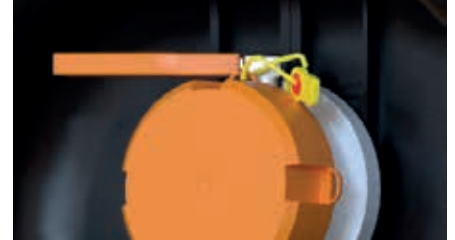
FlexBag

- Outer cover made of PE woven
- LDPE inliner for longer minimum shelf life:
 - Multilayer, metallized
 - Radiation sterilized 15 kGy
 - Germ and spore free
 - Air free
 - With oxygen barrier
 - UV protection
- High resistance to Flexcracks
- Patented folding guarantees full filling volume
- FDA compliant according to EN 10/2011, Halal, Kosher



Elpo connection

- For the common filling systems of the food industry
- Steam treatable up to 125°C



Safety

- Valve is tamper-proof (sealed)
- Separate, clip-on handle lever prevents unintentional opening
- Valve closure flap blocks opening
- Aseptic indicator shows sterility (red = sterile)

DISCHARGE



Valve

- Flap valve allows submirror filling and rapid emptying
- Body and flap made of POM, min 5 x steamable up to 125° C
- Heat resistant silicone gasket (even after several times, sterile partial removal)
- With dairy pipe thread (DIN 11851) for common connections in the Food industry



AirAssist Connection

- Air connection for inflating the air cushion
- Sterile emptying of highly viscous liquids by unfolding the separate air cushion



AirAssist Box

- The AirAssist Box controls the air pressure of the air cushion synchronous to discharge
- Safety valves prevent overpressure and damage to the inliner
- Easy to connect, similar to stainless steel IBC

PROTECline

UV protection (max. density: 1.6 g/cm³)

PROTECline IBCs are equipped with special pigment that protect light sensitive filling media against UV radiation.

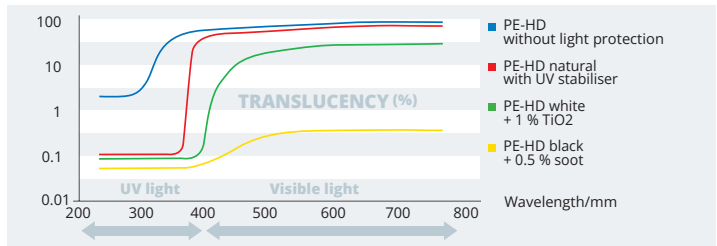


- Available with white or black inner container
- UN version possible
- Completely pigmented inner bottle (without viewing strip)

Product	Inner container	Pallets		Valve		Lid		Colour	
	Volume Litre	Plastic L x W x H	Weight kg	DN 50	DN 80	DN 150	DN 225	■	□
PROTECline (UV protection)	600	1200 x 800 x 1013	46	●	●	●	●	●	-
	1000	1200 x 1000 x 1163	57	●	●	●	●	●	●



Inner container, white



Light protection / translucency

COMPACTline

300 litre UN (max. density: 1.6 g/cm³)

COMPACTline is the only space-saving IBC with a fill level of 300 litres.

- UN approved
- Stable, stackable
- No marking necessary on the opposite side
- Optionally with tap S 56 x 4
- Optionally with integrated CDS or Micromatic withdrawal system
- Basic dimension equivalent to a half of a Euro pallet



Product	Pallet		Valve		Lid	Additional equipment		
	Plastic L x W x H	Weight kg	DN 50	without	DN 150 EPDM	Tap S 56 x 4	CDS system	Micromatic
COMPACTline (300 l UN)	600 x 800 x 1000	23	●	●	●	●	●	●



Safely stackable

2 COMPACTlines are equivalent to the volumes of 3 drums (approx. 600 litres)



CDS withdrawal system

With or without dip tube or bung only



Without valve

Optional

RECOline

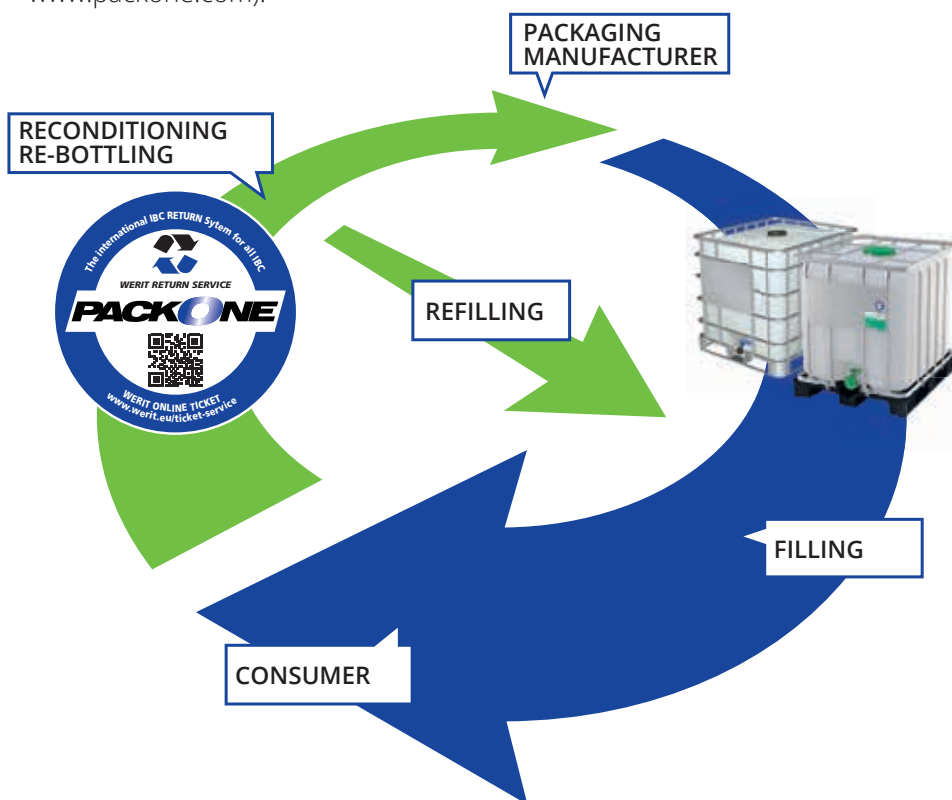
Return system and reconditioned IBC for sustainability

The IBC modular system permits simple cleaning as well as an ecological reconditioning by the replacement of individual components. Optimal conditions for an economical and resource-saving multi-way use (RE-USE). Choose between two loop systems for the use of reconditioned or new IBC.

THE RETURN SYSTEM FREE OF CHARGE VIA THE PACKONE TICKET SERVICE

The return of IBCs and collection of your used and emptied IBCs free of charge is made possible by the PACKONE Ticket Service at the press of a button.

Irrelevant as to which design or brand, we take back your used and emptied IBCs free of charge (please note our return conditions under www.packone.com).



After cleaning or replacement of the inner bottle, the WERIT IBCs as well as IBCs of other formats will be returned to the economic cycle for re-use. When re-bottling, the WERIT inner bottle or the Universal Bottle (a specially designed inner bottle) are used for design IBC brands.

The delivery of rebottled IBCs is possible as NON-UN or UN version.





CLOSED LOOP

Return of your WERIT IBC or IBC of other format **free of charge** via the PACKONE Ticket. The cleaning and rebottling of these IBCs and the return delivery of your own IBC for reuse. (RECOline)

ADVANTAGES:

- You reduce the cost of ownership for the packaging by reusing the IBC in the loop after cleaning or rebottling.
- Simple handling with the return of the used IBCs. Either take back the emptied IBC from the customer with the new delivery of the filled IBC or your customer registers the collection via the PACKONE Ticket. With these selection options, you offer your customer a high level of service.
- Enhances sustainability and reduces the carbon footprint with re-use of a laundered or rebottled IBC.

OPEN LOOP

Return of your WERIT IBC or IBC of other format **free of charge** via the PACKONE Ticket. You exclusively receive and use new WERIT IBCs and return the IBCs for reuse.

ADVANTAGES:

- You exclusively receive new IBCs and place used IBCs in a recycling loop.
- The emptied IBCs are registered for a timely collection by a competent network partner by your customers via the PACKONE Ticket.
- Your CO₂ footprint is reduced.

ACCESSORIES

Valves, lid and bung

PISTON VALVE

The integrated valve proven and tested millionfold guarantees a rapid and controlled discharge. The special design uses the hydrostatic pressure of the liquid in order to press and reinforce the seal into the housing, biaxially sealing it. This ensures the sealing properties even after opening and closing many times. In addition to the universal PE-CP seal that is suitable for almost all liquid media, optional EPDM and FPM seals are available.



Valve	External thread	Colour	
		Natural	Black
DN 50 (50 mm)	S 60 x 6	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DN 80 (80 mm)	S 100 x 8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

- Available in DN 50 or DN 80
- Integrated or replaceable
- Locks in the opened position
- Multiple use without loss in performance

Other equipment variables:

Seal	Blue	White	Red
Valve	PE-CP	FPM	EPDM
Handle	FPM	FPM	EPDM


Piston valve DN 50 / 80


The PE-CP universal seals, which are suitable for greater part of the fill media as well as EPDM or FPM seals round-off the range of applications for almost all fill media.

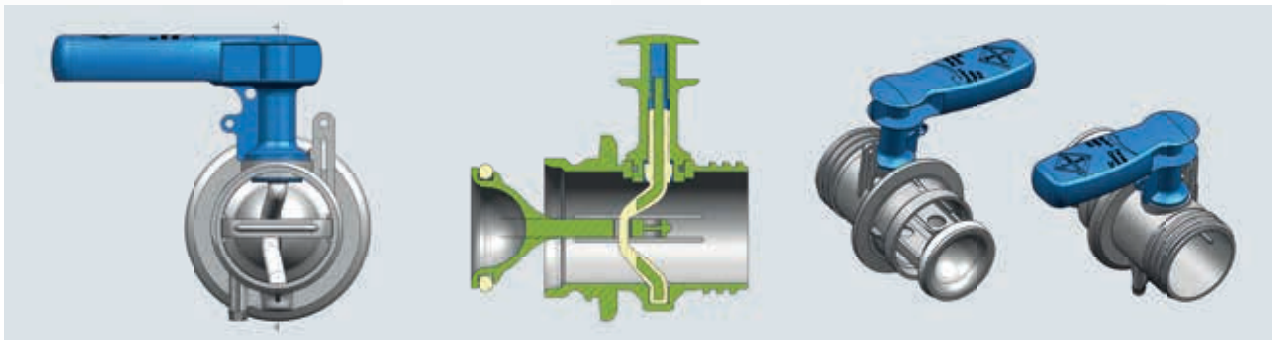
The safety pin on the handle and the easy peel aluminium foil seal at the discharge ensure the originality until use.

Valve set	Article number	Version	Handle colour	Seal
DN 50 (including screw cap, sealing ring, profile clamp and screws, PU 20)	239-00002030	Natural	<input checked="" type="checkbox"/>	PE-CP
	239-00002018		<input checked="" type="checkbox"/>	EPDM
	239-00002020		<input type="checkbox"/>	FPM
	239-00002033	Black	<input checked="" type="checkbox"/>	PE-CP
	239-00002021		<input checked="" type="checkbox"/>	EPDM
	239-00002023		<input type="checkbox"/>	FPM
DN 80 (including screw cap, sealing ring, profile clamp and screws, PU 10)	239-10002031	Natural	<input checked="" type="checkbox"/>	PE-CP
	239-10002027		<input checked="" type="checkbox"/>	EPDM
	239-10002029	<input type="checkbox"/>	FPM	
	239-10002033	Black	<input checked="" type="checkbox"/>	PECP

All major components of the valves are manufactured, mounted automatically and tested under clean room conditions. A safety pin on the handle as well as the aluminium foil seal **"Easy peel"** at the discharge ensure the originality until use.

EASY PMDSL Aluminium foil seal	Article number	Packing unit	
DN 50	434-03899	720	
DN 80	434-03902	125	

Safety pin	Article number	Packing unit	
DN 50 / 80	200-00002250	2000	



The table shows the suitable seals according to the substance groups. The filler is responsible for the suitability test of the seals. We would be pleased to consult you.

Resistance depending on the fill media (examples)			
Fill substance	FPM	EPDM	PE-CP
Alcohol	●●●●●●●●	●●●●●●●●	●●●●●●●●
Amines	●●●●●●●●	●●●●●●●●	●●●●●●●●
Alkali	●●●●●●●●	●●●●●●●●	●●●●●●●●
Water	●●●●●●●●	●●●●●●●●	●●●●●●●●
Oxidising agent	●●●●●●●●	●●●●●●●●	●●●●●●●●
Plant oil	●●●●●●●●	●●●●●●●●	●●●●●●●●
Acids	●●●●●●●●	●●●●●●●●	●●●●●●●●
Phenols	●●●●●●●●	●●●●●●●●	●●●●●●●●
Halogenated HC*	●●●●●●●●	●●●●●●●●	●●●●●●●●
Aliphatic HC*	●●●●●●●●	●●●●●●●●	●●●●●●●●
Aromatic HC*	●●●●●●●●	●●●●●●●●	●●●●●●●●
Cyclic HC*	●●●●●●●●	●●●●●●●●	●●●●●●●●
Ketone, Aldehyde	●●●●●●●●	●●●●●●●●	●●●●●●●●
Ether	●●●●●●●●	●●●●●●●●	●●●●●●●●
Ester	●●●●●●●●	●●●●●●●●	●●●●●●●●

very resistant ●●●●●●●●
 resistant ●●●●●●●●
 conditionally resistant ●●●●●●●●
 not resistant ●●●●●●●●
 * HC: Hydrocarbons

ACCESSORIES



Lid and bung

WERIT screw lids are made of HDPE and as standard, are equipped with an EPDM seal.

All screw lids are available in the nominal widths DN 150 and DN 225 or UN and NON-UN IBCs.

On request, the lids can also be prefabricated with bung / pressure equalisation elements (PMDS).
(See representation bottom right)

Screw cap UN / NON UN DN 150 (Prepared for seal)	Inside thread S 160 x 7	Colour		Equipment
		Black ■	Red ■	
with bung S 56 x 4	●	●	-	Sealing ring, PMDS, PTFE membrane
closed	●	●	-	Black



Screw cap UN / NON UN DN 225 (Prepared for seal)	Inside thread S 240 x 12	Colour		Equipment
		Black ■	Red ■	
with bung S 56 x 4	●	●	-	Sealing ring, PMDS, PTFE membrane
closed	●	●	●	Black



The DN 400 filling opening with clamping ring lid is ideally suited for the use with an agitator.

Clamping ring lid DN 400 (Prepared for seal)	Clamping ring	Colour	
		Black ■	Red ■
closed	●	●	-

Possible bung for DN 150 and DN 225 lids closed or with respective pressure equalisation element

- Possible with continuous PMDS
- Version can be recognised on the colour of the sealing cap
- The lid can be sealed

Bung (Figure)						
Lid colours						
Pressure equalisation element	PMDS	DAE	SS100	PTFE	-	-
Air flow approx. litre/hr	12000	400	130	70	closed Thread S 56 x 4	closed Thread R2

Ring spanner (metal) for opening and closing WERIT IBC lids.



Rings spanner	Art.:	Width (mm)	Weight (kg)
DN 150	500-000000248	455	0,52
DN 225	500-000000249	550	0,80

Elbows and adapters

Made to match the WERIT IBCs, we have a range of conventional useful accessories that permit the adaption to other systems.



Elbow DN 50 S 60 x 6 internal thread to S 60 x 6 external thread Art.: 201-00002500 <input type="checkbox"/> natural Seal: Alveolit Packing unit: 10	Adapter DN 50 S 60 x 6 internal thread to S 60 x 6 external thread Art.: 201-00002540 Seal: Alveolit Packing unit: 10	Elbow DN 80 S 100 x 8 internal thread to S 100 x 8 external thread Art.: 201-00002530 <input checked="" type="checkbox"/> black Seal: EPDM Packing unit: 10	Adapter DN 50 S 60 x 6 internal thread to R 2" internal thread Art.: 239-96310000 Seal: EPDM Packing unit: 10
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Adapter DN 50 S 60 x 6 internal thread to R 2" external thread Art.: 239-96310001 Seal: NBR Packing unit: 10	Adapter DN 50 S 60 x 6 internal thread to Rd 65 x 1/6" milk pipe thread Art.: 239-96310003 Seal: NBR Packing unit: 10	Adapter DN 50 S 60 x 6 internal thread with 50 mm Camloc connection Art.: 415-03010 Seal: Santoprene Packing unit: 5
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ACCESSORIES

Heating mat, inliner and film hood



Heating mat:

Heating mat for assembly between the pallet and inner container. For products that maintain or reach their liquid aggregate state only at a warm temperature.

Aluminium heating mat	Dimensions (mm)	Technical Data
Art.: 434-03300 Suitable for pallet dimension 1200 x 1000 mm	1120 x 930	Power: 1400 W Volt: 230 V Mono Temp.: 70°C Resistance: 51 OHm; 2.4 Ohm/m Silicon radiant heaters: 21.25 m

Inliner:

WERIT Inliners are easy to assemble. The inliner protects the inner container against contamination and can be used several times without cleaning effort.

- FDA approval
- Integrated assembly aids



Inliner	Size (W x H x L x layers mm)	Lid/valve size Volume (litres)
Art.: 434-03903	1150 + 920 x 2620 x 2	225 / 50 (1000)
Art.: 434-03905	1130 + 730 x 2265 x 2	225 / 50 (600)

Other versions available on request

Film hoods:

Film hoods protect the IBCs against soiling during transport and storage.

- LDPE
- Anti-static
- Semi-transparent
- Easy to put on / take off
- Approved for use in contact with food
- FDA approved



LDPE film hood	Size (W x H x D mm)	Material (Thickness 0,08 mm)
Art.: 445-04109	1300 x 1100 x 1500	LDPE 03, PELLD C4, PEMD
Art.: 445-04107	1300 x 1100 x 1300	LDPE 03, PELLD C4, PEMD

TECHNICAL INFORMATION

WERIT IBC instructions for use

Selection

WERIT IBCs are manufactured exclusively for professional and industrial users that have basic knowledge in the handling and use of IBCs. We offer a range of combination IBCs for transport and the temporary storage of harmless and hazardous (packing group II and III) liquid filled goods.

The respective approval must be observed for hazardous goods. IBCs are intended for an unpressurised filling and emptying. The suitability of the IBC for the filled goods is the responsibility of the user. We would be pleased to assist you with the selection.

Storage of empty IBCs

IBCs must be transported upright. With multiple stacking, the correct nesting must be observed. The IBCs must be stored closed (lid & valve) in a clean, dry room. The storage temperature must not be below -10°C and no higher than 40°C. Spark generation and contact with hot surfaces (radiators, pipelines, etc.) must be avoided under all circumstances.

Filling

The inspection before filling is the responsibility of the filler (ADR sub-chapter 4.1.1.9.). First check if the IBC does not have any damage, the seals are intact and that the emptying valve is closed. Fill the liquid through the top filling opening at atmospheric pressure. The filling temperature should be < 60°C and the permanent temperature for aqueous media should not exceed 40°C. For aggressive media, the temperatures must be adapted accordingly. To prevent deformation when cooling down, ensure for sufficient aeration and venting of the PE inner container. If and in which form a

pressure equalisation element is used in the lid, is at the discretion of the user.

The IBC must be closed with the original cap and a tightening torque of 70 - 80 Nm for screw cap DN 150 and 100 - 110 Nm for screw cap DN 225.

Transport

The filler must ensure that the filled IBC is secured against unintentional opening during transport. Before lifting, the IBC must be checked for transport damage. When empty or full, the IBC must be under-run completely with the forks and transported upright using the pallet. When transporting using a fork lift, never drive without tipping the load towards the driver. Never lift or move the IBC using chains/straps attached to the rails or the frame. When stacking, make sure that the floor is level, the specified stacking load is observed and that the IBCs nest with a positive-lock. Stack the IBCs only on the same type. Use a fork lift only if it has the necessary lifting load and if the forks have the correct length in order to run under the complete length of the IBC. When transporting by rail, HGV or in a sea container, please observe the prescribed load securing of the IBCs. Protect the IBC against impacts and the valve against damage. If the safety of the IBC is impaired by falling or damage, it must no longer be used.

Emptying

Make sure that the IBC is put down completely on a level surface that is free from foreign objects. We recommend emptying the IBC via the bottom emptying valve. Unscrew the dust protection cap from the valve and completely remove the aluminium foil seal by pulling

on the tab. The safety pin or seal must be removed. Before opening the valve, loosen the top filler lid to allow air to enter the container to prevent the IBC from collapsing. Turn the valve handle by 180° from the right to the left to the stop. Residual quantities of flammable liquids must be avoided in all cases. If the valve is connected to a fixed installed line system, the installation of this withdrawal line must be carried out such that longitudinal expansions and vibrations do not lead to the mechanical damage of the IBC. In case a pipeline is connected, heavy parts must be supported independently. With a possible emptying through the filling opening using a pump, take care that this is not fixed directly to the frame.

Multiple use

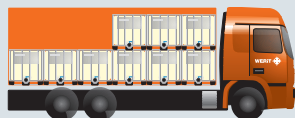
For use with food, we do not recommend multiple use of the inner container. For other purposes, IBCs can be reused provided they are checked to be free from corrosion, contamination or other damage before filling and despatch to end user. Moreover, each IBC must be checked with regard to the correct function of the operating equipment. The user bears the responsibility for the checking and reuse. When reusing the IBC for the transport of hazardous goods, it must be observed that the permissible period of use, depending on the filled goods, is max. 5 years calculated from the date of manufacturing. After two and a half years, a review inspection must be carried out on each IBC, and documented.

Via the return system Packone free-of-charge, WERIT IBCs are returned and processed for reuse.

Dynamic and static load

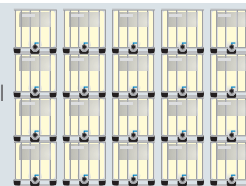
Dynamic stacking height

The stacking height depends on the density of the filled goods
- more than 1.4: 1-high
- up to 1.4: 2-high



Static stacking height

- 3-4 high, depending on the density of the filling material and the UN approval



IBC Coding (ADR / RID / IMDG)

31HA1 / Y / 0311 / D / BAM / 12260-WERIT / 4265 / 2030 / 1060l / 61kg / 100kPA

For liquid substances, with rigid plastic inner container, outer casing made of steel

Packaging groups II and III

Month and year of the manufacturing

Federal abbreviation / responsible test institute / approval number / name of the manufacturer

Test load of the stacking pressure testing in kg / highest permissible gross mass in kg

Brim-full volumes / Net weight / Test pressure



Please note

All dimensions, weights and technical data listed in the catalogue are reference values. They do not represent any binding assurance of certain properties or the suitability for certain uses. Technically-related tolerances comply with the DIN standards. Subject to change and errors. The details are based on our current technical knowledge and experience. Due to the abundance of possible influences during the use of the product that are outside our control, the user is not released from making their own inspections and tests. A legally binding assurance of certain properties as well as the suitability for a specific application cannot be derived explicitly or implicitly. If necessary, property rights must be observed.



Sales locations for IBC:

D-57610 Altenkirchen, Kölner Straße, Phone +49 2681 807-01, ibc.de@werit.eu

A-2514 Traiskirchen, Wienersdorfer Straße 20-24, Phone +43 2252 251331, ibc.at@werit.eu

CH-8105 Regensdorf/Zürich, Wehntalerstrasse 113, Phone +41 44 843 50 50, ibc.ch@werit.eu

F-67162 Wissembourg, 7, Rue de l'Industrie, Phone +33 3 88 54 10 20, ibc.fr@werit.eu

E-08403 Granollers/Barcelona, Avda. San Julia 125/127, Phone +34 938 402256, ibc.es@werit.eu

GB-Manchester, Darby Road, Irlam, M44 5BP, Phone +44 161 776-1414, ibc.uk@werit.eu

PL-55-330 Błonie gm. Miękina, ul. Zachodnia 2, Phone +48 71 3362595, ibc.pl@werit.eu

CZ-61900 Brno – Horní Heršpice, Pražákova 661/36a, Phone +42 770 694 004, ibc.cz@werit.eu

WERIT Branches:

D-57610 Altenkirchen | D-53567 Buchholz | D-01458 Ottendorf-Okrilla | A-2514 Traiskirchen |

CH-8105 Regensdorf/Zürich | F-67162 Wissembourg | F-26200 Montélimar |

E-08403 Granollers/Barcelona | GB-Manchester | PL-55-330 Błonie gm. Miękina | CZ-619 00 Brno

www.werit.eu

