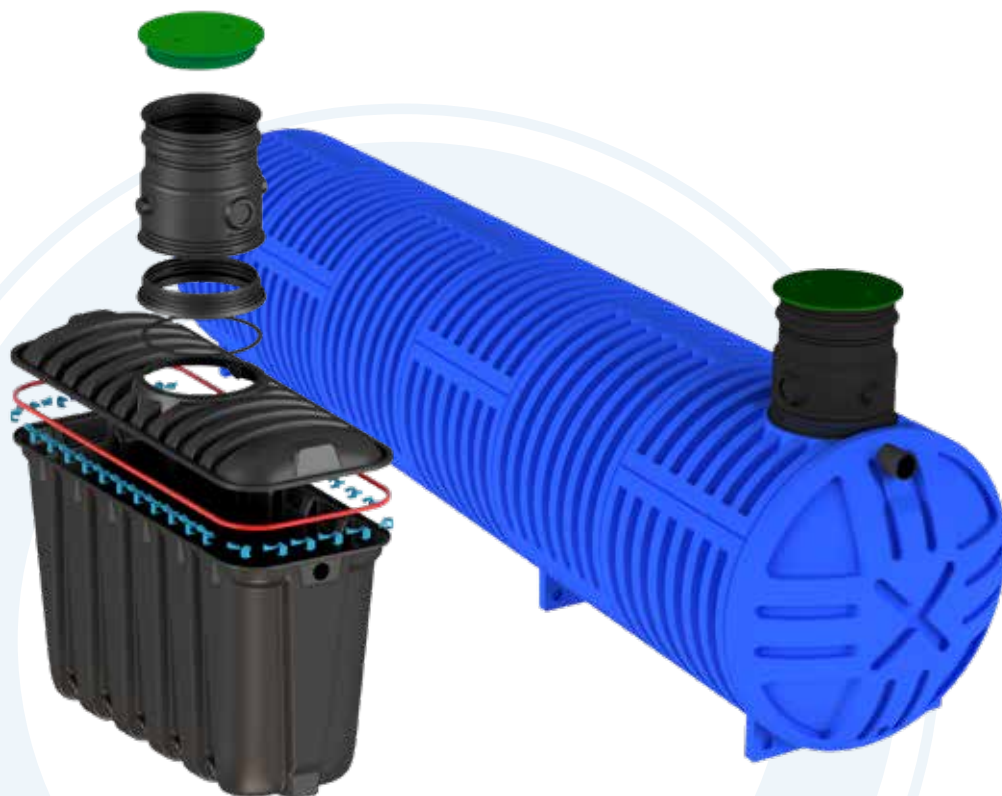




EXPORT SERIES

RIKUTEC GROUP



○ CONTENT

„We are your partner
for integrated systems –
worldwide. At RIKUTEC you
get everything from one source.
From raw materials and product
development, to machines and
molds, up to large-volume
container solutions and technical
consultation for optimizing
production lines and
machineries.”

RIKUTEC GROUP	4
ABOUT US	5
RIKUTEC WORLDWIDE	6
CORPORATE POLICY	8
OUR VISION	8
OUR MISSION	8
PHILOSOPHY & GUIDELINES	9
SUSTAINABILITY	10
THE RIKUTEC EXPORT SERIES	12
RIKUTEC 115 SERIES	12
RIKUTEC 204 SERIES	13
THE RIKUTEC 115 SERIES	14
AQUA'TERNE 115	17
EPURBLOC 115	17
ACTICLEVER 115	18
THE RIKUTEC 204 SERIES	20
RIKUTEC ENGINEERING	26

RIKUTEC GROUP



RIKUTEC Germany



RIKUTEC Iberia



RIKUTEC France



RIKUTEC America

RIKUTEC GROUP WORLDWIDE:

Germany
USA
South Korea
India
UAE
Turkey
France
Spain
Switzerland
Slovenia
Australia
Russia



RIKUTEC GROUP

The RIKUTEC Group stands for an innovative and internationally orientated Group of companies in blow molding technology. The core competence lies in the production of technical blow molded articles for industry and trade as well as mechanical and plant engineering.

In more than 30 years, the RIKUTEC Group has developed itself to a leading company within the plastic industry and different market segments: As an innovation leader in the field of machine and blow molding technology, as a sustainable partner in the Production of industrial packaging, storage tanks and technical Blown parts.

The growing RIKUTEC Group currently produces at three European production sites in Germany, France and Spain. In addition, the company is also active in America and Asia. Technical know-how, many years of experience and innovative strength combine and complement each other in all areas of the company.



ABOUT US

The Westerwald company RIKUTEC Richter Kunststofftechnik GmbH & Co. KG was founded in 1986 by the German Engineer Günter Richter. With the establishment of the German location, the first corner stone was laid for today's RIKUTEC Group.

Since the foundation of the family business, technical know-how, enthusiasm and experience as well as an above-average quality standard have been the key factors for the success of the company. Over the last 30 years, RIKUTEC has continuously developed in terms of size, internationalization, product areas and strategic initiatives. Below you will find the history of the company and the milestones achieved.

Today, the company is divided into four independent business units



INDUSTRIAL PACKAGING

IBC's and Drums for high-purity and sensitive liquids



HABITAT

Tanks for rainwater harvesting, wastewater treatment and liquid energy sources



CUSTOM MOLDING

Containers and tanks for special customer requirements



MACHINE AND PLANT CONSTRUCTION

World's largest blow molding machines

MILESTONES RIKUTEC GROUP 2018

- 1986 — • Company founded by Günter Richter
• Initialization first Coex 5 accumulator head blow molding machine
• Business Sectors: Industrial Packaging, Custom Molding, Engineering
- 1992 — • New business unit Rainwater Utilisation with large containers up to 5.000 liters
- 1999 — • Development of the product range for the semiconductor sector/ HP Packaging
- 2000 — • Implementation of ISO 9001
- 2001 — • Project planning of the world's largest blow molding plant (USA) | up to 10,000 liters
- 2003 — • RIKUTEC Asia has taken up its sales activities
- 2004 — • RIKUTEC America has taken up its sales activities
• Acquisition and integration of Eskimo Water Sports (until 2010)
- 2005 — • Launch of the Rikutec Innovative Partner Network
- 2016 — • RIKUTEC celebrates its 30th birthday
• Relocation of the company's Head Quarter to Bad Honnef (near Bonn)
• Acquisition and integration of SOTRALENTZ-HABITAT with plants in France and Spain
- 2018 — • Development of specialized competence center for HABITAT Product Range in France and Spain
- 2019 — • Development of own compounds. Integration of a material specialist into the RIKUTEC Group

RIKUTEC WORLDWIDE

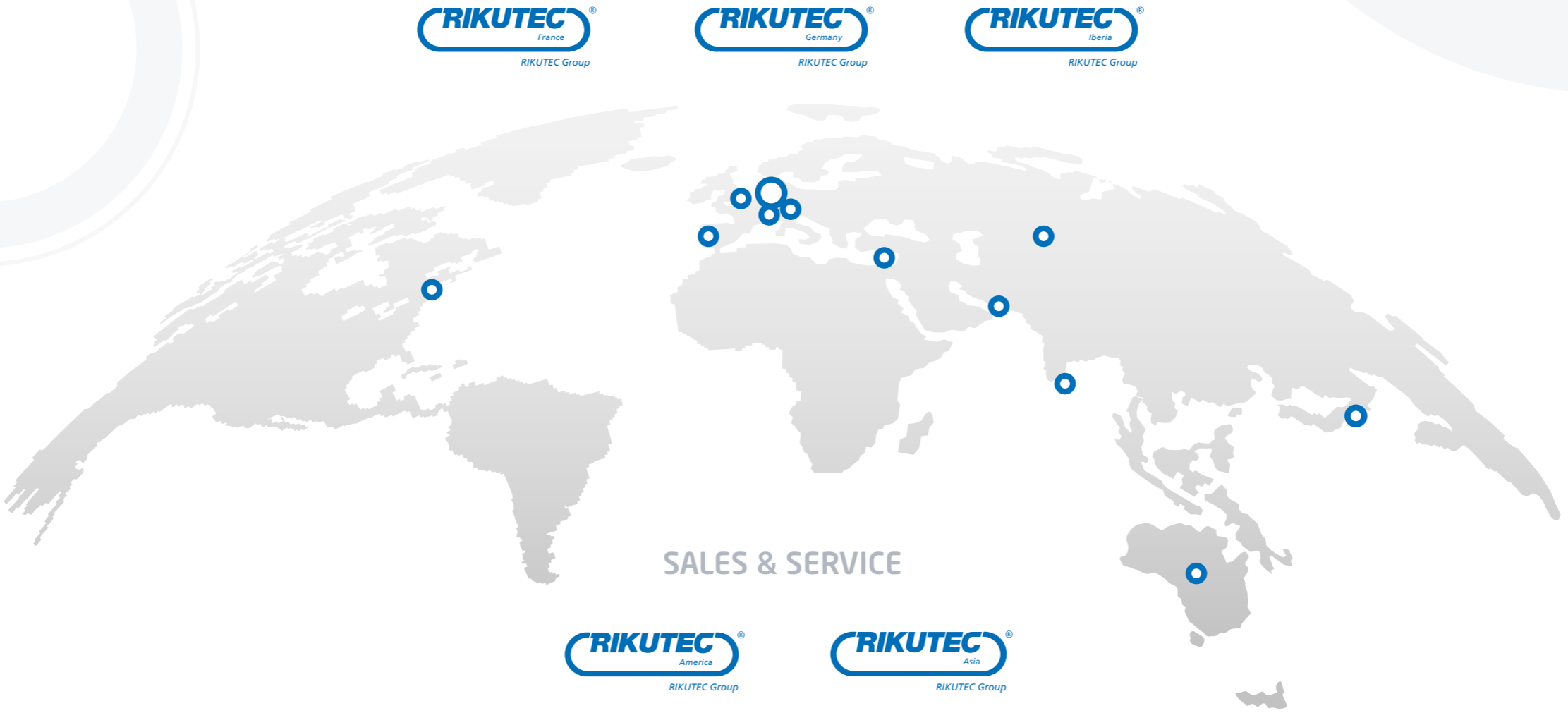
RIKUTEC LOCATIONS AND PARTNERS AROUND THE WORLD



RIKUTEC WORLDWIDE

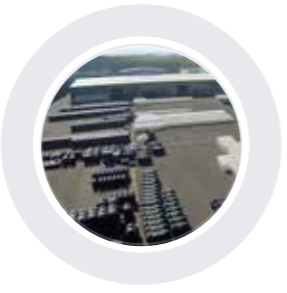
With over 220 employees within the RIKUTEC Group and a strong international sales and partner network, we are available to our customers every day.

SALES & SERVICE | PRODUCTION FACILITIES



RIKUTEC Germany
Production and Sales

- Founded in 1986
- Altenkirchen, Germany



RIKUTEC Iberia
Production and Sales

- Facilities operating since 1996
- RIKUTEC Member since 2016
- Álava, Spain



RIKUTEC France
Production and Sales

- Facilities operating since 1973
- RIKUTEC Member since 2016
- Drulingen, France



RIKUTEC America
Sales and Service

- Founded in 2004
- Whitinsville, USA

CORPORATE POLICY



PHILOSOPHY AND GUIDELINES

The RIKUTEC Group is an innovative and internationally oriented family business in the field of blow molding technology. We stand for technical know-how, experience, quality and family. These four distinguishing features allow us to create a unique customer experience.

We pursue a family and performance-oriented corporate culture and strive to create a trusting environment within our corporate group in which open communication and appreciation play a central role. Passion, individuality, trust and reliability help us daily to spark customer enthusiasm and establish long-term partnerships. Respect, familiar interaction and integrity enable us to create a work environment in which motivation, proactivity and creativity come first.

We work together on our goal to inspire our customers every day and to exceed your expectations. Our corporate values, such as experience, quality, passion, and teamwork play a key role in these efforts. At the heart of our actions is the achievement of our common goal: Serving every customer with high-quality products, inspiring them long-term and partnering with them through a positive and holistic customer experience.

RIKUTEC – WE INSPIRE CUSTOMERS.



Curiosity and room for maneuver

We maintain our corporate culture and are constantly guided by trends in the market and our environment. We are future-oriented and open to new ideas and developments. Everyone is obligated to independently ensure continuous improvement in their respective division



Responsibility and trust

For us, responsibility means resource-saving, sustainable and conscientious action. A trusting relationship with colleagues and business partners is part of our self-image. Discipline and orderliness form the basis of efficient work processes. Customers value our flexible, efficient and partnership-oriented solutions.



Appreciation

We always treat our colleagues and business partners in a friendly and respectful manner. We treat each other like partners and support each other. Because we work on our projects with joy and team spirit, we are perceived positively from the outside.



Competence and advancement

Technologically demanding customer requirements are interesting and motivating challenges for us. The process of continuous improvement and readiness for lifelong learning are integral parts of our growth strategy.

OUR VISION

The RIKUTEC Group has set itself the long-term goal of creating special and innovative large-volume plastic solutions for demanding applications. In addition, we are striving to establish further company locations internationally. We want to exceed requirements and redefine standards in order to inspire our customers and make them long-term partners.

OUR MISSION

As an employee-oriented, international family business, we stand for sustainable and continuous growth. For more than 30 years we have been producing high-quality products with our own machines. As an integrated and holistic supplier, from the machine manufacturer to the hollow body, we stand for special and market-oriented solutions for customers with special requirements.

Our Group benefits from local competence centers that exchange ideas, information, experience and expertise. Through closely inter-

linked and partnership-based teams, we grow into a powerful and highly motivated group of companies across national borders. As a competent and team-oriented company, we stand for flexible, uncomplicated and cooperative dealings with customers and suppliers.

We have made it our task to focus on our customers, to take every action to exceed customer needs and create the industry's most advanced customer experience.



SUSTAINABILITY

SUSTAINABILITY WITHIN THE RIKUTEC GROUP:

We strive for automated and standardized processes within the RIKUTEC Group in order to achieve maximum ecological and economic efficiency.

We produce innovative products that save natural resources such as drinking water. With our expertise and solutions in the field of industrial packaging, we also protect our environment from hazardous substances.

We are constantly optimizing our production processes and developing innovative products and new plastic container solutions. As a result, we were able to produce cargo-optimised tanks, among other things, thereby reducing CO₂ emissions in our global logistics concepts.

We reuse process heat (waste heat), which is generated during the manufacturing process. The energy is continuously fed back into the production cycle.

We recycle materials and use special production steps to return recyclables into the material cycle.

We use the most innovative energy concepts in our building management, which allows us to reduce our energy requirements.

Sustainability is an issue of highest priority. Measures to protect our resources are becoming increasingly important. We use our resources efficiently and future-oriented and avoid unnecessary waste of energy and recyclables.

„By using our tank series specially designed for export, such as our RIKUTEC 115 Series, we can reduce the transport volume by approx. 80%. Through stackable container segments and innovative product design, we can make the worldwide transport of large-volume containers more efficient and thus counteract the specific CO₂ emissions.“



THE RIKUTEC EXPORT SERIES

THE RIGHT TANK FOR EVERY APPLICATION



RIKUTEC 204 SERIES

THE CONTAINER SERIES FOR INDUSTRIAL AND MUNICIPAL PROJECTS

The double-walled tank series 204 made of high-molecular polyethylene meets the highest requirements for a wide variety of applications: 100 percent „Made in Germany“.



RIKUTEC 204 Series | 19.500 ltr.

RIKUTEC 115 SERIES

THE SERIES FOR INDIVIDUAL APPLICATIONS AND TRANSPORT-OPTIMISED CONTAINERS



Single-walled tank series 115 made of high-molecular polyethylene is suitable for a wide range of applications: Design „Made in Germany“.

exploded drawing RIKUTEC 115 Series

THE RIKUTEC 115 SERIES

- For underground installation
- Transport optimized
- Stable and stackable container body
- Plug and play solution
- Schnelle Montage und Installation
- Quick assembly and installation
- Easy maintenance
- Extensibility through coupling of the containers

DIE RIKUTEC 204 SERIES

- For underground installation
- Double-walled – smooth inner wall/outer ribbing
- Available in the volumes 5.000 – 52.500 ltr.
- Made of HDPE – lower weight than concrete and steel
- Material: food safe HDPE
- Container body truck passable (SLW 30 – 11.5 t axle load); accessible cover must be provided by the customer
- Groundwater stable up to the center of the container body
- Available from 8.500 ltr. with additional manhole shafts
- Intermediate sizes & inlets and overflows in DN 150 to DN 300 on request
- Tanks also available side by side on request and connectable one behind the other
- On request also as retention cistern available
- 20 years warranty on the container and
- 2 years warranty on accessories



DIE RIKUTEC 115 SERIES

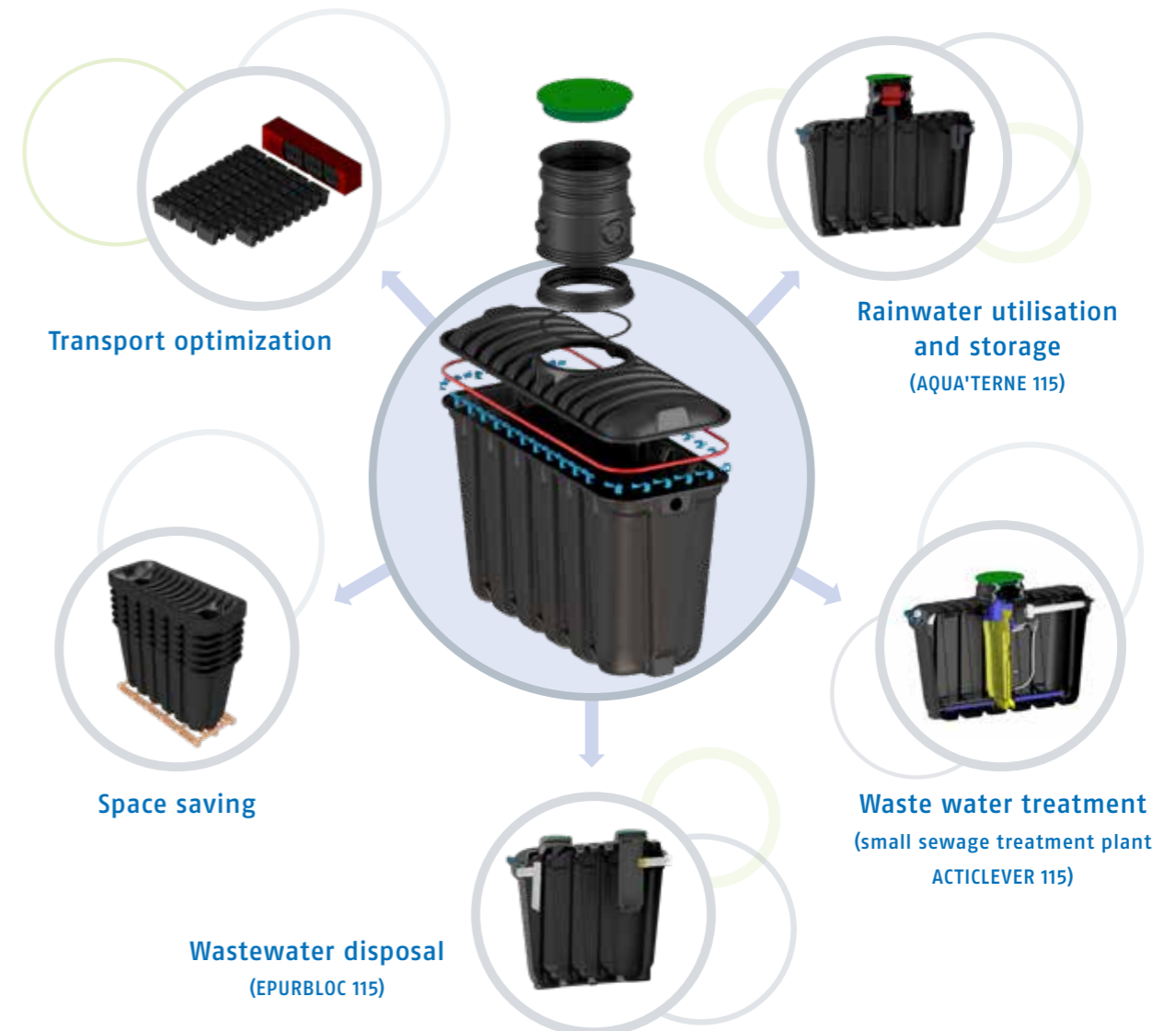
ONE TANK - MANY APPLICATIONS



ONE TANK -
MANY
APPLICATIONS

THE RIKUTEC 115 SERIES:

- Rainwater harvesting
- Water retention
- Wastewater treatment
- Easy to install
- Easy maintenance
- Expandable
- Resistant due to blow molding process
- Transport optimized



THE RIKUTEC 115 SERIES



CHARACTERISTICS

- Transport optimized
- Easy to install
- Expandable
- More resistant due to blow molding process

POSSIBLE APPLICATIONS

- Small sewage treatment plant
- Rainwater utilization
- Septic systems
- Water retention



Container*	Volume (ltr.)	Amount
40'HC	3.400	42
40'HC	2.200	60
40'	3.400	28
40'	2.200	40

* Depending on variant and equipment, changes may occur.

Typ	Volume (ltr.)	Height with dome (cm)	Width (cm)	Length (cm)	Weight (kg)
ACTICLEVER 115 incl. partition wall	3.400	208	115	290	190
EPURBLOC 115	2.200 3.400	191 191	115 115	210 290	120 140
AQUA'TERNE 115	3.400	260	115	290	180

AQUA'TERNE 115

AQUA'TERNE 115

Rainwater harvesting is a sustainable topic of priority. Our resources are finite and water prices are rising continuously. Effective rainwater harvesting protects our environment and moreover saves valuable drinking water and thus also monetary expenses. The RIKUTEC HABITAT Rainwater cisterns offer individual tailored solutions for a wide variety of applications – from watering the garden via flushing the toilet up to the hot water for the washing machine and the house cleaning. With the AQUA'TERNE 115, we offer a wide range of high-quality HDPE produced rain water collection tanks for domestic, municipal and industrial applications.



- Stable and stackable tank made of HDPE
- Underground installation
- Easy to install and to maintain
- Rainwater harvesting
- Rainwater storage

EPURBLOC 115

EPURBLOC 115

Each year, private households and public institutions produce tons of waste water worldwide. Particularly in rural or untapped areas, Waste-water disposal represents a challenge. The RIKUTEC Group offers country-specific waste-water treatment technology and complete systems for the residential and commercial waste water clarification. The Epurbloc 115 is a septic tank for waste water treatment and available in 2,200 – 3,400 liters. They are suitable for collecting all household waste-water.



- Easy to install and to maintain
- Underground installation
- Stable and stackable
- CE marking EN 12566-1

ACTICLEVER 115

ACTICLEVER 115

The Acticlever 115 functions according to the activated sludge principle in the impounding process (SBR). With this the pollutants are taken out of the wastewater by floating microorganisms (activated sludge) and converted into biomass. With the Acticlever technology, not only aeration takes place in the aeration tank, but also in the pre-treatment stage – this offers several advantages, such as the reduction of the sludge volume or the formation of digester gases and acids through the supplied oxygen.



- Simple handling
- Plug and play solution
- Outstanding cleaning performance
- Very low power consumption
- No magnetic valve
- Only one cover visible
- No unpleasant smell

ACTICLEVER 115

FUNCTIONAL PRINCIPLES ACTICLEVER SBR TECHNOLOGY

- 1

Automatic Control
- 2

Membrane Compressor
- 3

Air Hose
- 4

Inlet
- 5

Primary Treatment
- 6

Inlet to Treatment Tank
- 7

SBR Treatment Tank
- 8

Tube Aerator
- 9

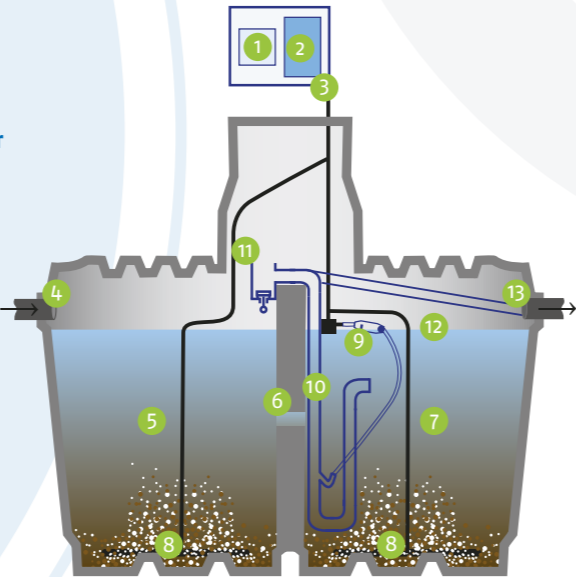
Inlet
- 10

Compressed Air Elevator
- 11

Buffer Tank
- 12

Clear Water Pipe
- 13

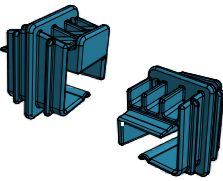
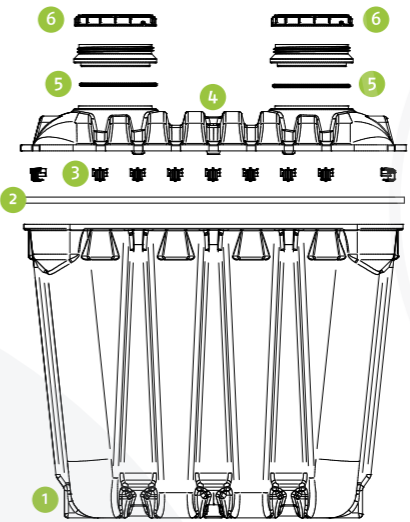
Outlet



RIKUTEC 115 SERIES

PRODUCT DESIGN

- 1
- Container
- 2
- Container seal
- 3
- Closing clip
- 4
- Container lid
- 5
- Manhole seal
- 6
- Shaft and cover

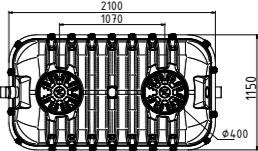
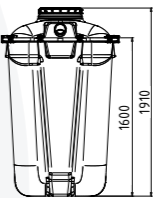
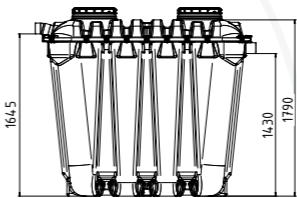


Closing clip

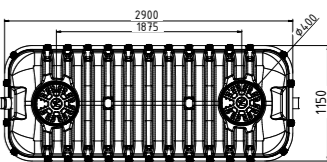
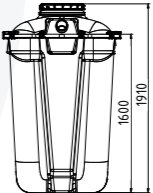
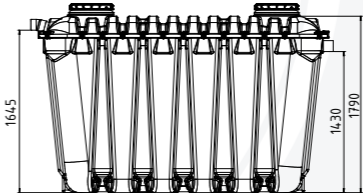
- Easy to install
- Quick assembly
- 100% tight

RIKUTEC 115 Series 2.200 ltr. / 400 DOM

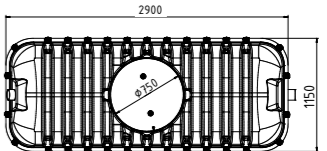
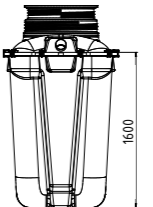
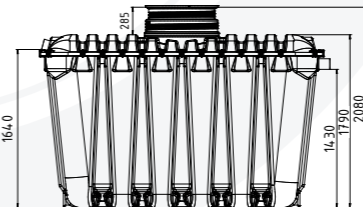
RIKUTEC 115
2.200 SERIES
D400 × 2



RIKUTEC 115
3.400 SERIES
D400 × 2



RIKUTEC 115
3.400 SERIES
D800 × 1

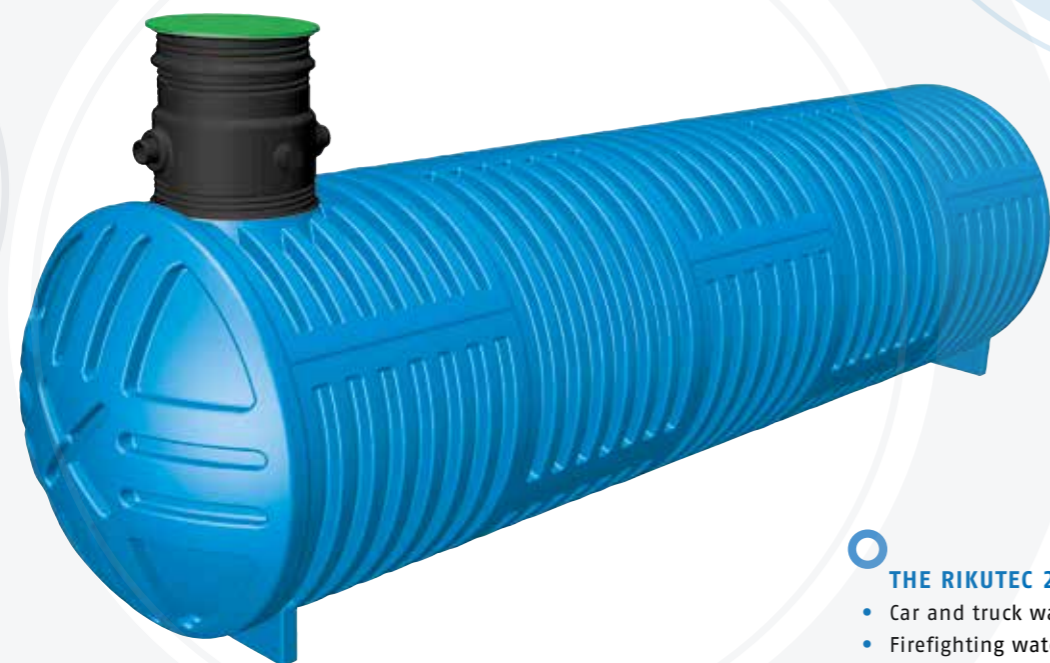


Typ	Volume (litres)	Manhole	Height with dome (cm)	Width (cm)	Length (cm)	Weight (kg)	Closing Clips
RIKUTEC 115 2.200	2.200	D400 × 2	191	115	210	110	22
RIKUTEC 115 3.400	3.400	D400 × 2	191	115	290	140	30
RIKUTEC 115 3.400	3.400	D800 × 1	208	115	290	165	30



THE RIKUTEC 204 SERIES

FOR HEAVY USERS



THE RIKUTEC 204 SERIES:

- Car and truck washes
- Firefighting water tanks
- Sports ground irrigation
- Industrial laundries
- Irrigation of green areas and parks
- Rain retention
- Greenhouses
- Toilet flushing in public buildings



THE RIKUTEC 204 SERIES

THE TANK SERIES FOR LARGE INDUSTRIAL AND MUNICIPAL PROJECTS



CHARACTERISTICS

- Transport optimized
- Easy to install
- Expandable
- More resistant due to blow molding process

APPLICATIONS

- Small sewage treatment plant
- Rainwater utilization
- Septic systems
- Water retention
- Firefighting water tank
- Washing facilities
- Outside irrigation



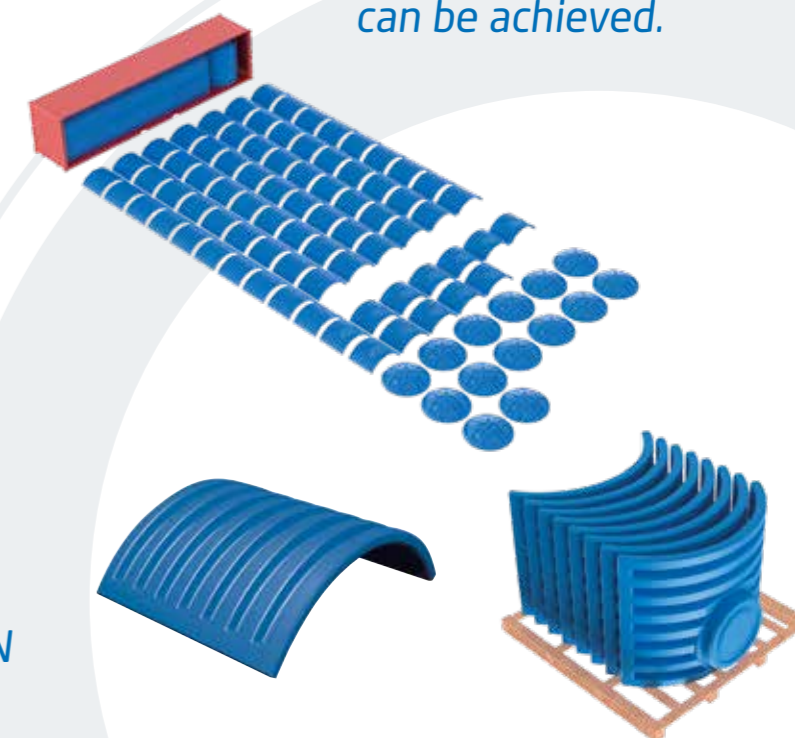
THE RIKUTEC 204 SERIES

DOUBLE-WALLED TANK SERIES MADE OF HIGH-MOLECULAR POLYETHYLENE FOR HIGHEST REQUIREMENTS

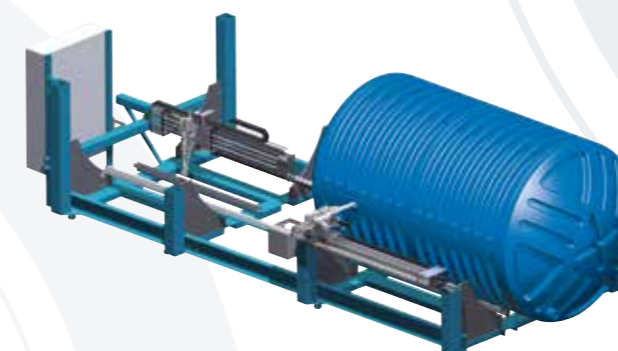
RIKUTEC 204 SERIES

The 204-container series from RIKUTEC is specially designed for individual solutions and requirements. Due to the immense volume variety, which we represent with our tank solution, small and large projects can be designed safely and flexibly. Our double-walled tank series covers the complete tank range from 5,000 to 52,500 liters. For more complex projects and construction projects with a higher volume requirement, several tanks can be combined to form one system. In this way, even the most difficult large-scale projects can be implemented with our container series.

Depending on packaging in the container, volumes of around 130,000 liters can be achieved.



RIKUTEC 204 SERIES
DESIGN AND PRODUCTION
„Made in Germany“.


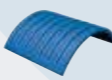


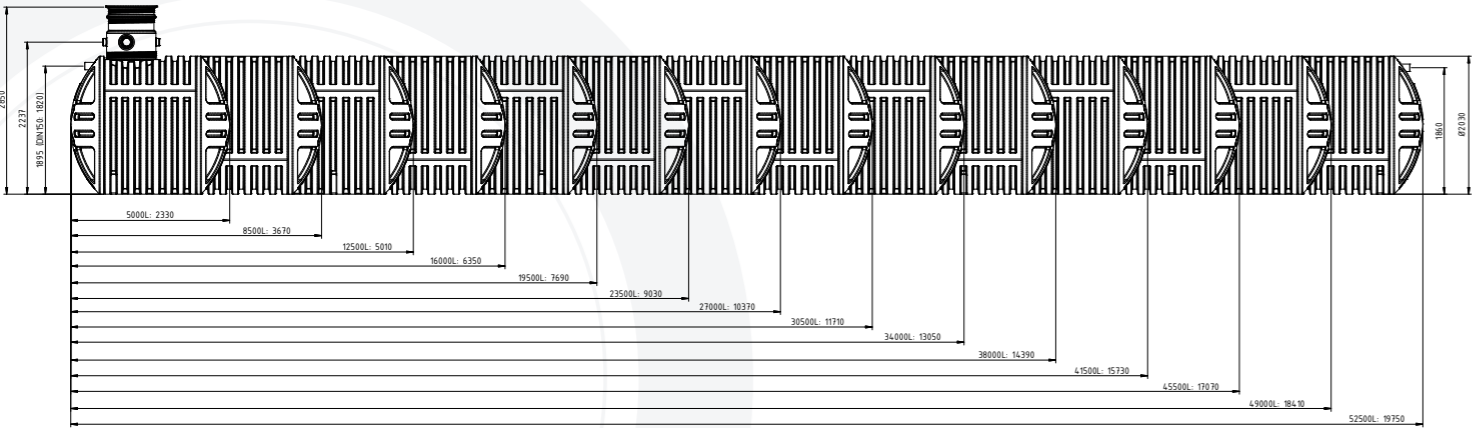
All 204-tanks are made of double-walled, environmentally friendly, high-molecular polyethylene (HDPE) and are therefore significantly lighter than concrete cisterns. Our tanks with a capacity of 52,500 liters have a length of 20 meters and have a weight less than 3.1 tones. The groundwater-resistant tanks have a double-walled structure with outer ribbing and a smooth inner wall. The tank is particularly stable and can be driven on with an axle load of 11.5 tones. A truck-accessible cover is available as a separate accessory.

The RIKUTEC 204 Series is available in different sizes and for different applications as a tank series. As a specialist and with high know-how in the field of mechanical engineering, we also offer a welding machine with which you can assemble the 204 segments individually.

THE RIKUTEC 204 SERIES

DOUBLE-WALLED TANK SERIES MADE OF HIGH-MOLECULAR POLYETHYLENE FOR HIGHEST REQUIREMENTS

Volume (ltr.)	Length (mm)	Width (mm)	Height with dome (mm)	Weight (kg)	Number of segments	
						
5.000	2.330	2.024	2.850	365	2	3
8.500	3.670	2.024	2.850	560	2	6
12.500	5.010	2.024	2.850	755	2	9
16.000	6.350	2.024	2.850	955	2	12
19.500	7.690	2.024	2.850	1.145	2	15
23.500	9.030	2.024	2.850	1.340	2	18
27.000	10.370	2.024	2.850	1.550	2	21
30.500	11.710	2.024	2.850	1.750	2	24
34.000	13.050	2.024	2.850	1.950	2	27
38.000	14.390	2.024	2.850	2.150	2	30
41.500	15.730	2.024	2.850	2.350	2	33
45.500	17.070	2.024	2.850	2.670	2	36
49.000	18.410	2.024	2.850	2.880	2	39
52.500	19.750	2.024	2.850	3.080	2	42



APPLICATION EXAMPLES



RIKUTEC ENGINEERING

ENGINEERING MADE IN GERMANY – SERVICE WORLDWIDE

RIKUTEC ENGINEERING

The German service company RIKUTEC Engineering, based in Altenkirchen, Germany, designs, develops and produces high-precision large blow molding machines, high-quality blow molds for the production of innovative, large-volume hollow bodies up to 10,000 liters as well as turnkey production lines.

TECHNOLOGY WORLD MARKET LEADER:

The RIKUTEC Coex blow molding machines stand for precision, innovation and cutting-edge technology from Germany. For more than 30 years, we have been developing passionately machines and molds with minimal downtime.

Our patented process enables us to produce innovative large-volume hollow bodies. We can produce our products from 100 to 10,000 liters "in one shot". Our technical know-how covers the entire product range, the RIKUTEC blow molding machines, RIKUTEC blow molds as well as welding and testing systems. With our technical know-how and decades of experience, we are happy to support you in the realization of demanding machine and article projects. We are your contact when it comes to the production of machines and articles in blow molding technology. From compounding material to innovative product design, from tool making to production on our machines and services: with us you get everything from a single source – competent, reliable and of the highest quality.

Our technical know-how covers the entire product range, RIKUTEC blow molding machines, RIKUTEC blow molds and welding & testing systems.

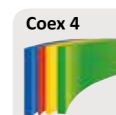
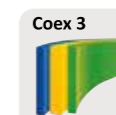
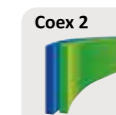


RIKUTEC COEXTRUSION BLOW MOULDING PROCESS

The RIKUTEC coextrusion blow molding process is a technology with which promising markets can be opened. Intensive development makes it possible to manufacture large-volume as well as large-area plastic products with multi-layer wall construction according to the desired product requirements.

With the procedure developed by RIKUTEC, it is possible, for example, to

- decisively improve the permeation characteristics against hydrocarbons
- store and transport diffusing chemical products in large containers
- increase the mechanical properties through multi-layer wall construction
- enable the recycling of plastics in so-called recycling layers



Individual customer solutions

Through the cooperation between machine development know-how and the think tank for future-oriented blow-molded articles – we offer you customer-specific solutions.

From the idea to the design and to series production: When it comes to the transfer and production of articles in blow molding technology – [contact us!](#)

RIKUTEC ENGINEERING

CONSTRUCTION, DEVELOPMENT AND SERVICES

The manufacture of blow-molded hollow bodies involves a variety of different processes. Each has its peculiarities. The RIKUTEC R&D team is characterized by its comprehensive conceptual and constructive capabilities. Experienced employees such as designers and engineers with many years of experience set their focus on tool and mould technology since decades.

Running-in and running on power, adapting to changes in the series, maintaining and protection against damage. The lifelong care of the molds manufactured by us is a matter for us. It is also

part of our customer service that every project – regardless of scope and duration – has a responsible project manager. This means that our customers always have a competent contact person. Our hotline also ensures that our customers can contact us at any time. In addition, we train our customers in the use of machines and molds on request, in order to familiarize them with the functionality and special features of the corresponding technology. This is another way in which our machines and molds ensure maximum reliability and thus added value for your processes.



SERVICE

WE ARE HERE TO HELP YOU!

CUSTOMER SERVICE WORLDWIDE: +49 2681 95 46 - 0



RIKUTEC Group

RIKUTEC Richter Kunststofftechnik
GmbH & Co. KG
Rhöndorfer Straße 85
53604 Bad Honnef | Germany
info@rikutec.de | www.rikutec.de

