

EXPORT SERIES

RIKUTEC GROUP







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RIKUTEC GROUP RIKUTEC Germany

O 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.

RIKUTEC France

RIKUTEC GROUP | WORLDWIDE:

RIKUTEC Iberia

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



RIKUTEC America





O 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 three 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 MOLDINGContainers and tanks for special customer requirements

O MILESTONES RIKUTEC GROUP

 Company founded by Günter Richter • Initialization first Coex 5 accumulator head blow molding machine · Business Sectors: Industrial Packaging, Custom Molding, Engineering New business unit Rainwater Utilisation with 1992 large containers up to 5.000 liters 1999 Development of the product range for the semiconductor sector/ HP Packaging Implementation of ISO 9001 2000 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 Launch of the Rikutec Innovative Partner Network • 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 • Development of specialized competence center 2018 for HABITAT Product Range in France and Spain

> Development of own compounds. Integration of a material specialist into the RIKUTEC Group



O RIKUTEC WORLDWIDE

available to our customers every day.

With over 220 employees within the RIKUTEC Group and a strong international sales and partner network, we are

RIKUTEC WORLDWIDE

RIKUTEC LOCATIONS AND PARTNERS AROUND THE WORLD



SALES & SERVICE | PRODUCTION FACILITIES













- Founded in 1986
- Altenkirchen, Germany





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



O 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.

O 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.

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.

O 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-

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.





O 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.



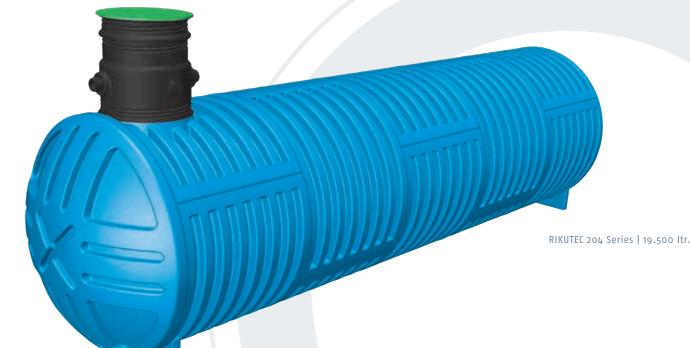
Sustainability is an issue of highest priority.

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.

RIKUTEC 204 SERIES

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".



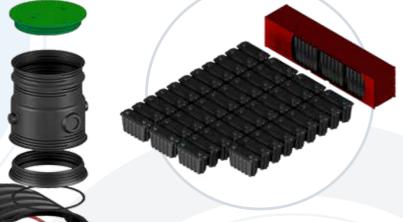
THE RIKUTEC 204 SERIES

- · For underground installation
- Double-walled smooth inner wall/outer
- 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



RIKUTEC 115 SERIES

THE SERIES FOR INDIVIDUAL APPLICATIONS AND TRANSPORT-OPTIMISED CONTAINERS



THE RIKUTEC 115 SERIES • For underground installation

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

- Transport optimized
- Stable and stackable container body
- Plug and play solution
- Quick assembly and installation
- Easy maintenance
- · Extensibility through coupling of the containers

exploded drawing RIKUTEC 115 Series

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ONE TANK YNAM **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



Grease Separator (GREASE SEPARATOR 115)





Rainwater Utilization and Storage (AQUA'TERNE 115)



Septic Tank with **Biological Filter** (EPURBLOC 115)



SBR Waste Water Treatment Plant (Small Sewage Treatment Plant ACTICLEVER 115)



AQUA'TERNE 115

0

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
 Face to install and to
 - 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

GREASE SEPARATOR 115



GREASE SEPARATOR 115

Separators are needed wherever water is contaminated with oils and other light liquids. Our grease separators are certificated by DIN EN 1825–1/–2 and are intended for the removal of grease, detergents, and foams from 'grey water' such as the water coming from kitchens, dishwashers and washing machines systems.

The grease separator works by force of gravity. The system reduces the flow rate of the wastewater to allow solids to sink and settle in the sludge trap. Fats, which have a lower density than water, float to the surface.



- Certificated DIN EN 1825
- Underground installation
- Easy to clean
- Flow up to 101/s
- Stable and stackable

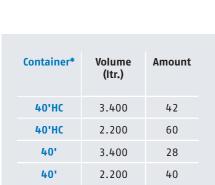


CHARACTERISTICS

- 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



* Depending on variant and equipment, changes may occur.





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.

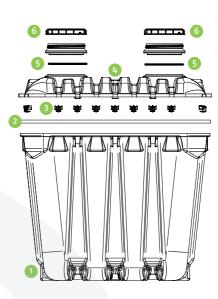


- Plug and play solution
- Outstanding cleaning performance
- Very low power consumption
- No magnetic valve
- Only one cover visible
- No unpleasant smell
- Very compact complete sewage treatment plant for up to 12 people
- Easy maintenance
- Perfect for 1st residence and for vacation houses

RIKUTEC 115 SERIES

PRODUCT DESIGN

- Water tank
- Tank seal
- **Closing clip**
- **Container lid**
- Manhole seal
- Shaft and cover







Closing clip

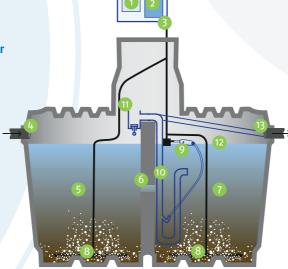
- Easy to install
- Quick assembly
- 100% tight

ACTICLEVER 115

FUNCTIONAL PRINCIPLES ACTICLEVER SBR TECHNOLOGY

- **Automatic Control**
- **Membrane Compressor**
- **Air Hose**
- Inlet
- **Primary Treatment**
- **Inlet to Treatment Tank**

- **SBR Treatment Tank**
- **Tube Aerator**
- Inlet
- Compressed Air Elevator
- **Buffer Tank**



Clear Water Pipe

Outlet

RIKUTEC 115 **2.200 SERIES** D400 × 2

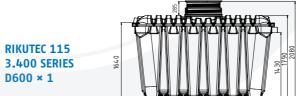
RIKUTEC 115 **3.400 SERIES**

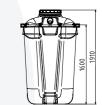
D400 × 2

D600 × 1

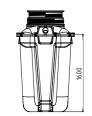


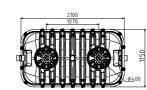


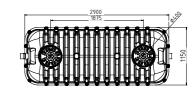


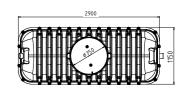








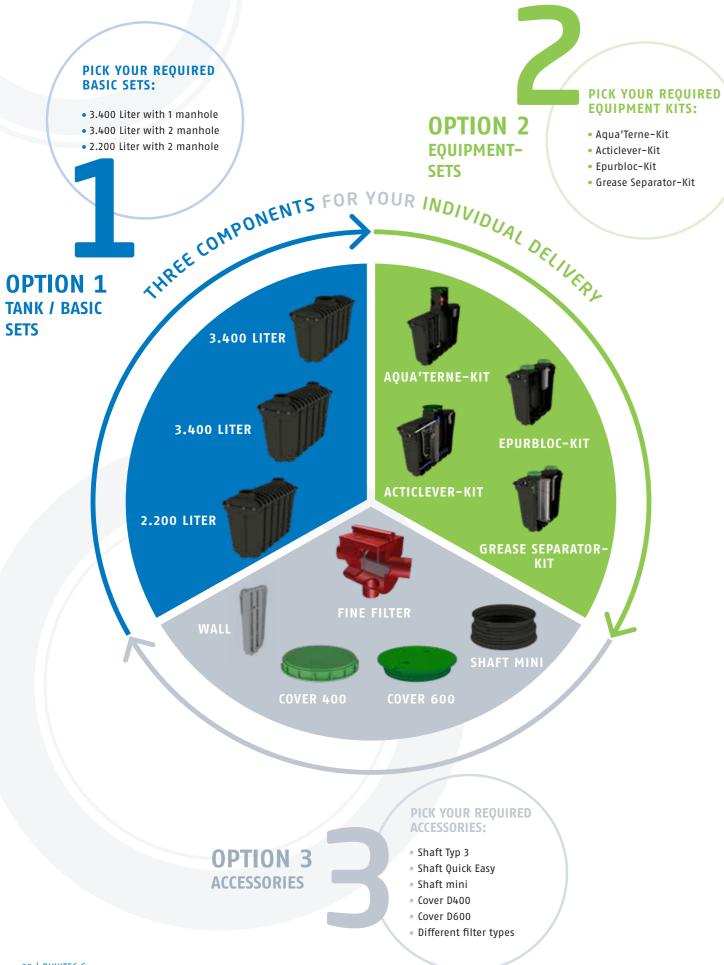




Тур	Volume (litres)	Manhole	Height with dome (cm)	Width (cm)	Length (cm)	Weight (kg)	Closing Clips
RIKUTEC 115 2.200	2.200	D400 × 2	191	115	210	110	22
RIKUTEC 115 3.400	3.400	D400 × 2	191	115	290	140	30
RIKUTEC 115 3.400	3.400	D600 × 1	208	115	290	165	30

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PICK & MIX - THE 115 ORDER SYSTEM

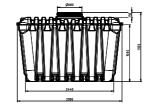


BASIC SETS

BASIC SET 1:

COMPONENTS

3.400 WITH 1 MANHOLE 600







Тур	Volume (litres)	Manhole	Height with dome (cm)	Width (cm)	Length (cm)	Weight (kg)	Closing Clips
RIKUTEC 115 3.400	3.400	D600 × 1	208	115	290	165	30

TANK / MANHOLE 600



ADAPTER



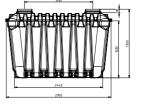


BRACKETS

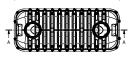


BASIC SET 2:

3.400 WITH 2 MANHOLE 400

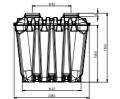




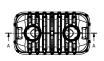


BASIC SET 3:

2.200 WITH 2 MANHOLE 400







NENTS	Тур	Volume (litres)	Manhole	Height with dome (cm)	Width (cm)	Length (cm)	Weight (kg)	Closing Clips
MP0	RIKUTEC 115 2.200	2.200	D400 × 2	191	115	210	110	22
8	RIKUTEC 115 3.400	3.400	D400 × 2	191	115	290	140	30

TANK / MANHOLE 400

2 × ADAPTER

SEAL-SET

BRACKETS









EQUIPMENT KITS

AQUA'TERNE-KIT

SHAFT QUICK EASY + COVER 600 COMPONENTS





FILTER





BASIC SET 1



ACTICLEVER-KIT







2 x MULTI TITE PIPE GASKET





= COMPATIBLE WITH



BASIC SET 1



EPURBLOC-KIT







2 x MULTI TITE PIPE GASKET



INLET AND OUTLET



= COMPATIBLE WITH BASIC SET 2 + 3



GREASE SEPARATOR-KIT



WALL



2 X MULTI TITE PIPE GASKET



INLET AND OUTLET

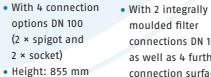


= COMPATIBLE WITH BASIC SET 2 + 3





SHAFT **QUICK EASY**



ACCESSORIES

(can be shortened by 155 mm), Ø min: 626 mm, Ø max: 725 mm

SHAFT

TYP 3

- Complete with seal
- Not suitable for integrated filter solutions
- moulded filter connections DN 100 as well as 4 further connection surfaces DN 100
- Incl. integrally moulded filter holders
- Height: 810 mm (can be shortened by 112 mm or 224 mm), Ø min: 682 mm, Ø max: 744 mm
- Complete with seal

COVER AND SHAFTS



SHAFT



MINI 600

· For direct screwing

· Height: 250 mm,

Ø min: 626 mm,

Ø max: 725 mm

· Complete with seal

onto the tank container



COVER 400





Access cover suitable

for all tanks with a

Ø 400 manhole

COVER 600

screw cap with

WALL

inside wall

• Plastic HDPE -Plastic LDPE

- chequer plate • 2 Versions for pattern, green different position Load capacity up within the tank
 - 15 kg
- Ø: 756 mm • Complete with seal

to 150 kg

- Tight and easy to install

DIFFERENT FILTER TYPES

FINE FILTER



- Up to 200 m² roof surface
- Mesh size 1,00 mm
- Connection: all DN 100

VOLUME FILTER



- - Up to 390 m² roof surface
 - Mesh size 0,65mm
 - Connection DN 100

FILTER WITH LEAF **COLLECTION BASKET**



- Up to 200 m² roof surface
- Mesh size 1,00 mm
- Connection: all DN 100





THE RIKUTEC 204 SERIES

THE TANK SERIES FOR LARGE INDUSTRIAL AND MUNICIPAL PROJECTS



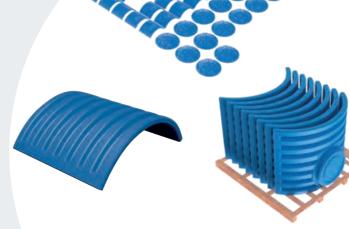
THE RIKUTEC 204 SERIES

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

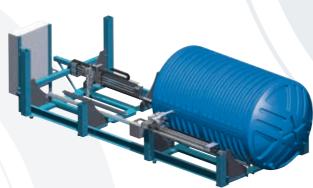
RIKUTEC 204 SERIES

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.

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







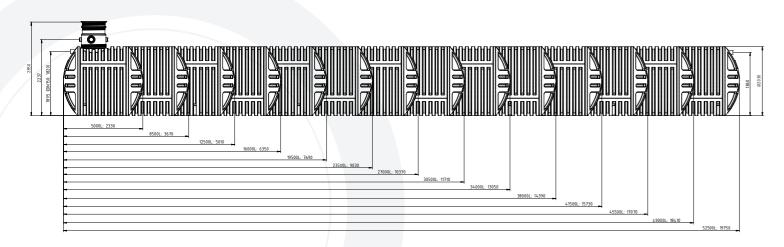
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THE RIKUTEC 204 SERIES

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

					Number of segments		
Volume (Itr.)	Length (mm)	Width (mm)	Height with dome (mm)	Weight (kg)			
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













THE SPECIALIST FOR CUSTOMIZED LARGE-SCALE PLASTIC **BLOW-MOLDED ARTICLES**

WE ACCOMPANY YOU FROM PRODUCT DEVELOPMENT RIGHT THROUGH TO SERIES PRODUCTION

Many users and manufacturers invest in a complete and integrated system from RIKUTEC and benefit from various advantages. It gives them the possibility of being able to produce the required product in accordance with their own design - quickly, cost-efficiently, in high quality and independently. We are pleased to accompany you in this project.

As a manufacturer of large-volume COEXTRUSION BLOW-MOLDING SYSTEMS with more than 50 years of experience, we are in a position to develop your product optimally and to the best possible standard for the manufacturing process and to lead it to series production. Innovative large-scale series of hollow bodies from 100 up to 10,000 liters "in one shot".

OUR PROJECT TEAM DEVELOPS THE FOLLOWING IN A SCOPE WHICH IS DEFINED JOINTLY:

- Feasibility studies
- Adaptations from other manufacturing processes and raw materials
- · Layout production
- Drawing and construction of the product
- · Product simulation and FEM computation
- Mold construction and mold building
- Technical documentation
- Mold validation methods
- Series production
- · Internal and external logistics
- After-Sales

PROJECT MANAGEMENT & ENGINEERING

We provide extensive and customer-orientated projecting work as well as the matching engineering which are connected with the development and the manufacture of your product. In the projecting of your concept, we base our work on our decades of experience in blow-molding technology and our patented manufacturing process. The objective of our projecting is the highest possible quality of technical implementation of your requirements with a simultaneous optimization of the investment and manufacturing costs. A close, partner-like and trusting cooperation in the project not only has the highest priority, but is also lived in practice by us. A difference which you will notice above all in joint work.

CASES

During recent years, we have implemented challenging projects with customers from all over the world from various branches such as automotive, transport and logistics, marine & solar industry or water & environment.

Our service does not end with the supply of the finished product. We look after customers and users across the entire product lifecycle. Thanks to this close cooperation in the development and manufacture of products individual to the customers, strategic partnerships have developed in recent years.

In our cooperations, the trust of our customers and a partner-like coexistence is above all in the foreground. We assure you that your technical idea is in safe hands with us and guarantee the highest possible quality to you, from the feasibility study via the product simulation right down to series production.



Automotive Solutions



Water Solutions



Marine & Solar Industry



Event and Outdoor Solutions



Road Construction









Development & Design

Projekting & Engineering

Production & Series Manufacture Production Partnership



SERVICE

WE ARE HERE TO HELP YOU!

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RIKUTEC Group

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