



When safety and purity are a must

Product & Accessories Guide 2022

ABOUT RIKUTEC

The RIKUTEC Group is an innovative and internationally orientated group of companies in blow-molding technology. With 30+ years' experience in the blow-molding industry, RIKUTEC has grown into a leading company within the plastic industry and different market segments. We are a specialist in COEX-Accumulator Head Technology, for construction of containment with 2–5-layer walls. All of our containers are manufactured in clean-room conditions with high-purity HDPE at our manufacturing plant in Altenkirchen, Germany, with North American sales, warehousing and technical support at our Whitinsville, MA office.

If you have any questions regarding our products or would like more information, Please contact us at the contact information below and we will help you out. Thank you for your interest in RIKUTEC America for your container, chemical and dispensing needs.



RIKUTEC America

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RIKUTEC Germany



RIKUTEC Blow-Molding Machine

RIKUTEC POLY IBC

Introduction

RIKUTEC Poly-IBCs are high-quality multiway IBCs that are capable for handling high-purity liquids for the semiconductor, chemical, pharmaceutical and food industries. Each IBC utilizes our patented multi-layer blow molding technology with 100% high-purity HDPE for all around protection against outside influences and trace materials.

UC 1000



UC-S 1000



CD 1000

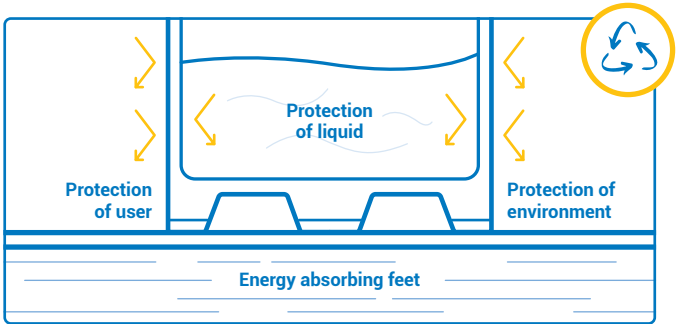


GR 1000



TECHNICAL SPECIFICATIONS

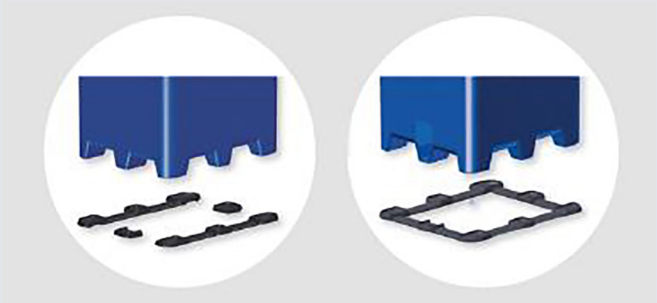
	UC-1000	UC-S 1000	CD-1000	GR-1000
Usage	High-Purity Chemicals (PG II, III)	Nitric Acid	High – Purity Flammable (PG II,III)	High-Purity Chemicals (PG II, III)
Materials – Outer Box	3 Layer HDPE	3 Layer HDPE	3 Layer HDPE, Carbon Added	3 Layer HDPE
Materials - Cover	1 Layer HDPE	1 Layer HDPE	1 Layer HDPE, Carbon Added	1 Layer HDPE
Materials – Inner Bottle	1 Layer HDPE - Out 1 Layer High Purity HDPE - In	1 Layer HDPE - Out 1 Layer High Purity HDPE - In	1 Layer HDPE, Carbon Added -Out 1 Layer High Purity HDPE - In	1 Layer HDPE - Out 1 Layer High Purity HDPE - In
Dimensions	1000 mm X 1200 mm X 1165 mm (39.4 in X 47.2 in X 45.9 in)	1000 mm X 1200 mm X 1165 mm (39.4 in X 47.2 in X 45.9 in)	1000 mm X 1200 mm X 1165 mm (39.4 in X 47.2 in X 45.9 in)	1000 mm X 1200 mm X 1165 mm (39.4 in X 47.2 in X 45.9 in)
Nominal Capacity	1000 L (264 gal)	1000 L (264 gal)	1000 L (264 gal)	1000 L (264 gal)
Overflow Capacity	1050 L (277 gal)	1050 L (277 gal)	1050 L (277 gal)	1050 L (277 gal)
Tare Weight	95 kg (209 lb)	95 kg (209 lb)	95 kg (209 lb)	95 kg (209 lb)
Bungs	3 X S62X5 (mod. 2" Buttress)	3 X S62X5 (mod. 2" Buttress)	3 X S62X5 (mod. 2" Buttress)	1 X S56X4 1 X DN 150 mm
Dip Tubes	Quick Connect, Entegris	Quick Connect, Entegris	Quick Connect	Quick Connect, Trisure CDS
Bottom Valve	N/A	N/A	N/A	1 X 2" Ball Valve (optional)
Stacking Height	1+2 Empty 1+1 Full, max. 1900 kg (4188 lb)	1+2 Empty 1+1 Full, max. 1900 kg (4188 lb)	Not Stackable	1+2 Empty 1+1 Full, max. 1900 kg (4188 lb)
Transport Quantity	60 Per Truck 44 Per Container	60 Per Truck 44 Per Container	60 Per Truck 44 Per Container	60 Per Truck 44 Per Container
UN Specification	31HH1/Y/****/D/BAM 6808- RIKU-TEC/3314/2070	31HH1/Y/****/D/BAM 6808- RIKU-TEC/3314/2070	31HH1/Y/****/D/BAM 6435- RIKUTEC/0/2070	31HH1/Y/****/D/BAM 6968- RIKU-TEC/3314/2050
DOT Specification	31HH1/Y/****/ USA/ +AA10038/0/2010	31HH1/Y/****/ USA/ +AA10038/0/2010	N/A	N/A



ACCESSORIES

Pallet Frames

- Constructed from HDPE (with carbon added for CD-1000)
- “Euro” (left) and “Frame” (right) styles available
- Interchangeable



Cover

- Protection of Bungs and IBC against the elements
- Fits onto any RIKUTEC Poly IBC



Conductive Totes

- Inner layer high purity HDPE and outer layer with carbon black to eliminate uncontrolled static discharge.
- Constructed with similar high-purity HDPE, but with carbon-black added for flammable liquids
- Drums and IBCs approved for Packing Group II chemicals (Y)
- IBCs approved for combustible chemicals (FP > 100°F (37.8°C)), Drums approved for flammable chemicals (FP < 100°F (37.8°C))
- Electrically Conductive up to 1 MΩ
- Conductive IBC includes optional conductive banderole around inner bottle for extra protection
- Accessories come in conductive versions



RIKUTEC DRUMS

Introduction

RIKUTEC Drums are high-quality multiway drums that are capable for handling high-purity liquids for the semiconductor, chemical, pharmaceutical and food industries. Each drums utilizes our patented multi-layer blow molding technology with 100% high-purity HDPE for all around protection against outside influences and trace materials.

All UC-Drums utilize 2 layers of protection, except for the Twin-Drum, which utilizes 3 layers of protection. Our drums are capable of withstanding at least 300 kPa internal pressure, except for the CD-Drum(150Kpa). Furthermore, the UC-Drum and the Twin Drum have been tested and approved for the X Packing Group of hazardous materials (Packing Group I), with the twin-drum being utilized for dual containment.

UC-Drum



UC-Heavy Drum



CD-Drum

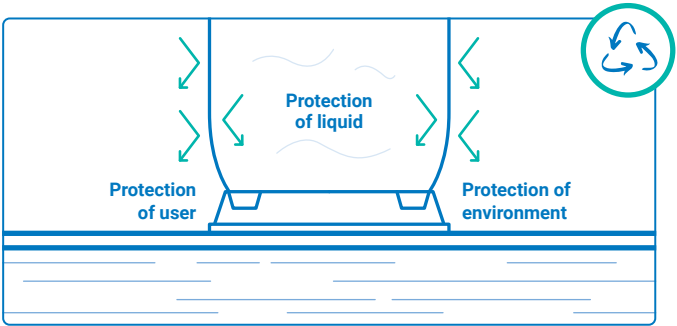


Twin Drum



TECHNICAL SPECIFICATIONS

	UC-Drum	UC-Heavy Drum	CD-Drum	Twin Drum
Usage	High-Purity Chemicals	Ammonia-Based Solutions	High – Purity Flammable	Nitric Acid and Packing Group I
Materials – Drum	1 layer HDPE - Out 1 layer high purity HDPE - In	1 layer HDPE - Out 1 layer high purity HDPE - In	1 Layer HDPE, Carbon Added -Out 1 Layer HDPE - In	1 layer HDPE - Out 1 layer high purity HDPE - In
Materials – Inner Bottle	N/N	N/A	N/A	1 Layer HDPE – Out. 1 Layer High Purity HDPE – In
Dimensions	581 mm X 955 mm (22.9 in X 37.6 in)	581 mm X 955 mm (22.9 in X 37.6 in)	581 mm X 955 mm (22.9 in X 37.6 in)	585 mm X 963 mm (23 in X 37.9 in)
Nominal Capacity	200 L (53 gal)	200 L (53 gal)	200 L (53 gal)	200 L (53 gal)
Max. Pressure	300 kPa (43.5 psi)	300 kPa (43.5 psi)	150 kPa (21.8 psi)	320 kPa (46.4 psi)
Tare Weight	14.5 kg (32 lb)	16 kg (35.3 lb)	16 kg (35.3 lb)	16 kg (35.3 lb)
Bungs	2 X S62X5 (mod. 2” Buttress)	2 X S62X5 (mod. 2” Buttress)	2 X S62X5 (mod. 2” Buttress)	2 X S62X5 (mod. 2” Buttress)
Dip Tubes	Quick Connect, Entegris	Quick Connect, Entegris	Quick Connect	Quick Connect, Entegris
Stacking Height	Max. 3 Pallets Empty Max. 2 Pallets Full	Max. 3 Pallets Empty Max. 2 Pallets Full	Max. 3 Pallets Empty Max. 2 Pallets Full	Max. 3 Pallets Empty Max. 2 Pallets Full
Transport Quantity	176 Per Truck (8 per Pallet) 208 Per Container	176 Per Truck (8 per Pallet) 208 Per Container	176 Per Truck (8 per Pallet). 208 Per Container	176 Per Truck (8 per Pallet). 208 Per Container
Packing Groups	I (1.2 SG), II, III	II, III	II, III	I (SG 1.9), II, III
UN Specification – X Approval	1H1/X1.2/300/**/D/BAM 6834-RIKUTEC	N/A	N/A	6HH1/X1.9/320/**/D/BAM 14926-RIKUTEC
UN Specification – Y Approval	1H1/Y1.9/300/**/D/BAM 6834-RIKUTEC	1H1/Y1.2/300/**/D/BAM 6834-RIKUTEC	1H1/Y/150/**/D/BAM 7369-RIKUTEC	6HH1/X1.9/320/**/D/BAM 14926-RIKUTEC
DOT Specification	N/A	N/A	N/A	6HH1/X1.9/320/**/USA/+AA9938



RIKUTEC ACCESSORIES

QC SYSTEM

The Quick-Connect System (QC System) is the preferred way to properly extract and fill containers without external contamination or hazards. Used in combination with QC Dip Tubes and dispense heads, the QC-System will safely and effectively fill and dispense liquids into any container.

Benefits of the QC System:

- Dip tubes are sized for any container for maximum dispensing
- System is made from high purity Polypropylene or Polyethylene, with Conductive versions available
- Key-Coded to prevent accidental mixing and contamination
- Used for a wide variety of chemicals

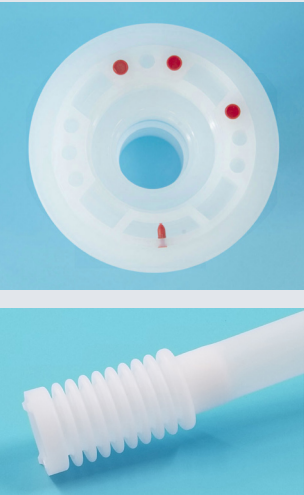
The combination of the dispense head and the dip tube will allow the most preferred method of dispensing and filling.



QC SYSTEM ACCESSORIES

Dip Tubes

- Suitable for any container
- Made from high purity PP / PE, conductive and nonconductive
- One-way or multiple use enabled
- Suitable for high purity, most corrosive and flammable chemicals
- Contact our applications engineering staff with your specific application and/or chemical
- Built-in coding system avoids cross-contamination
- Clean-room molded and machined. Accessories ultrasonic welded together
- Can be ordered coded for a specific chemical, or uncoded for your own chemicals



We specialize in custom order Dip Tubes for your needs. Please contact us for more information.

Description	Options
Dip Tube Type	DT (QCII System)
Connection of Thread	S56, S62, S64, S70, G2, NPT Pipe thread More threading available upon request
Material Dip Tube	PP, PE, CD
Gasket Seal	POE, PE
Dip Tube Length	0 – 1200 mm (0 mm - Recirculation) Container specific, based on customer measurements
Coding	001 – 084 (020 Recirculation) XXX = Without Code
Closing Seals	Closed: S =3/4", T = 42 x 2, Vented: V = 3/4", W = 42 x 2
Options	F = Bottom Bellow, Contact Ring, Grounding Cable (Conductive IBCs)
Example of Order	DT-62PE-001-1040-SF. (Dip Tube for Nitric Acid)

Dip Tubes for Drums

IBC Type	Dip Tubes Available	Description
UC-Drum	DT-62PP-XXX-0905-T	Polypropylene DT without Bottom Bellow
UC-Heavy Drum	DT-62PP-XXX-0915-TF	Polypropylene DT with Bottom Bellow
	DT-62PP-020-0000-T	Polypropylene Recirculation DT
	DT-62PE-XXX-0905-T	Polyethylene DT without Bottom Bellow
	DT-62PE-XXX-0915-TF	Polyethylene DT with Bottom Bellow
	DT-62PE-020-0000-T	Polyethylene Recirculation DT
CD-Drum	DT-62CD-XXX-0905-T	Conductive DT without Bottom Bellow
	DT-62CD-XXX-0915-TF	Conductive DT with Bottom Bellow
	DT-62CD-020-0000-T	Conductive Recirculation DT
Twin Drum	DT-62PE-XXX-0890-T	Polyethylene DT without Bottom Bellow
	DT-62PE-XXX-0900-TF	Polyethylene DT with Bottom Bellow
	DT-62PE-020-0000-T	Polyethylene Recirculation DT

Dip Tubes for IBCs

IBC Type	Dip Tubes Available	Description
UC-1000	DT-62PP-XXX-1030-T	Polypropylene DT without Bottom Bellow
	DT-62PP-XXX-1040-TF	Polypropylene DT with Bottom Bellow
	DT-62PP-020-0000-T	Polypropylene Recirculation DT
	DT-62PE-XXX-1030-T	Polyethylene DT without Bottom Bellow
	DT-62PE-XXX-1040-TF	Polyethylene DT with Bottom Bellow
	DT-62PE-020-0000-T	Polyethylene Recirculation DT
UC-S-1000	DT-62PE-XXX-1030-T	Polyethylene DT without Bottom Bellow
	DT-62PE-XXX-1040-TF	Polyethylene DT with Bottom Bellow
	DT-62PE-020-0000-T	Polyethylene Recirculation DT
CD-1000	DT-62CD-XXX-1030-T	Conductive DT without Bottom Bellow
	DT-62CD-XXX-1040-TF	Conductive DT with Bottom Bellow
	DT-62CD-020-0000-T	Conductive Recirculation DT
GR-1000	DT-56PP-XXX-1030-T	Polypropylene DT without Bottom Bellow
	DT-56PP-XXX-1040-TF	Polypropylene DT with Bottom Bellow
	DT-56PP-020-0000-T	Polypropylene Recirculation DT
	DT-56PE-XXX-1030-T	Polyethylene DT without Bottom Bellow
	DT-56PE-XXX-1040-TF	Polyethylene DT with Bottom Bellow
	DT-56PE-020-0000-T	Polyethylene Recirculation DT

QC SYSTEM ACCESSORIES

QC System Dispense Heads

- Suitable use with the QC-System
- Made from high purity PP / PE, conductive and nonconductive
- Dispense or recirculation capable
- Suitable for high purity, most corrosive and flammable chemicals
- Built-in coding system avoids cross-contamination
- Clean-room molded and machined. Accessories ultrasonic welded together
- Can be ordered coded for a specific chemical, or uncoded for your own chemicals

Specifications

Description	Options
Dispense Head Type	DH (QCII)
Function	D – Dispense R – Recirculation A - Turncock
Material Dispense Head	PP, PE, CD
Gasket	Kalrez, FPM, EPDM
Coding	001 – 084 020 = Recirculation XXX = Without Code
Connector Fluid	Flare (1/2" – 1") = FX Tube Plug (1/2" – 1") = X NPT (1/2" – 1") = NPTX R-Thread (1/2") = RX
Connector Gas	Flare (1/4" – 1/2") = FX Plugged (P)
Example of Order	DH-DK-PE-002-F1/2-F1/4 (DH for Sulfuric Acid (<70%))



We specialize in custom order Dispense Heads for your needs. Please contact us for more information.

QC SYSTEM ACCESSORIES

QC Code Checker

- Allows for checking dip tube code without cross contamination
- Holes allow to easily code blank dip tubes

Specifications

Dimensions	70 mm X 60 mm
Material	HDPE
Coding	001-084 (020 Re-circulation)
Part Number	24010001 Code must be specified



Universal Wrench

- Allows the installation of both dip tube closures as well as dip tubes and bung closures
- Able to be adapted to torque wrench for optimal closing

Specifications

Wrench Width	19 mm
Material	HDPE, POM
Torques	DT & Bungs: 35 Nm Closures: 7 Nm
Part Number	QC-FS-S-



Compact Wrench

- Used only for closing of closures, not for bung closing or dip tube installation
- Able to be adapted to torque wrench for optimal closing

Specifications

Wrench Width	13 mm
Material	HDPE, POM
Torques	Closures: 7 Nm
Part Number	43010011



QC SYSTEM ACCESSORIES

Docking Station

- Used to store equipment for QC System, including dispense heads, wrenches, tamper proof caps, code checker and tongs
- Available in 2 – 4 piece stations
- Easily removable for easier access to container

Specifications

Standard Dimensions	250 mm X 110 mm
Width per Receptacle	2: 230 mm 3+: add 100 mm
Weight	Between 2 and 6 kg
Material	PE, other options available

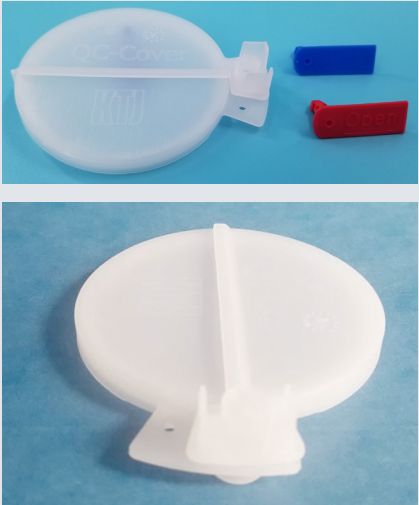


Tamper-Proof Caps

- Keeps the closure of the dip tube in place during transit
- Uses red and blue seals for transport to and from destination
- Caps specifically made for QCSysystem and Entegris DTs

Specifications

Standard Dimensions	80 mm X 20 mm
Part Number	Cap: 23010021 Red Flag: 23010031 Blue Flag: 23010032



Tongs

- Allows for keeping dip tube in container while removing the dip tube closure
- Made from PVC and made to fit around dip tube

Specifications

Material	PVC
Colors	White*, Gray^
Part Number	43010101* 43010102^



RIKUTEC CONTAINER & QC SYSTEM
PART NUMBERS

RIKUTEC Container

Drums

Item Number	Description
12100016	UC-Heavy Drum
12100017	CD-Drum
12100018	UC-Drum
12200016	Twin Drum

IBCs

Item Number	Description
10500025	GR-1000
11000028	UC-1000 with Frame Pallet
11000029	UC-S-1000 with Frame Pallet
11000032	UC-1000 with Frame Pallet for Sulfuric Acid
11000034	UC-1000 with Euro Pallet
11500005	CD-1000

RIKUTEC Parts

Item Number	Description	For Product Numbers
9000514	Dust Cover	All IBCs
9000693	160X7 Closure	10500025
9002252	SAFI Outer Safety Gasket	10500025
9002568	Twin Drum Connector	12200016
9002569	Twin Drum Vent Fitting	12200016
9002571	Twin Drum Vent Plug	12200016
9002630	CD Pallet Board Anchor	11500005
9002641	CD Pallet Board Screw	11500005

RIKUTEC Parts

Item Number	Description	For Product Numbers
10500026	GR-1000 Inner Bottle	10500025
11000047	UC-1000 Inner Bottle	11000028, 11000029, 11000034
11000053	UC-1000 Inner Bottle for H2SO4	11000032
11500009	CD-1000 Inner Bottle	11500005
12200003	Twin Drum Outer Drum	12200016
12200013	Twin Drum Inner Bottle	12200016
14500001	SAFI Ball Valve DN50	10500025
14500009	SAFI Inner Safety Gasket	10500025
14500016	CD Short Pallet Board	11500005
14500018	UC-S-1000 Lid	11000029
14500021	UC-1000 Outer Box	All IBCs except CD and GR
14500021-2	GR-1000 Outer Box	10500025
14500022	UC-1000 Lid	11000028, 11000032, 11000034
14500022-2	GR-1000 Lid	10500025
14500023	UC-1000 Long Pallet	All IBCs except CD
14500024	UC-1000 Short Pallet	All IBCs except CD and Euro
14500025	UC-1000 Single Pallet	11000034
14500026	CD-1000 Lid	11500005
14500027	IBC Lid Bolt	All IBCs
14500028	IBC Lid Pin	All IBCs
14500029	UC-1000 Pallet Bolt	All IBCs except CD
14500030	CD Long Pallet Board	11500005
14500032	UC-1000 Pallet Anchor	All IBCs except CD
14500033	CD-1000 Outer Box	11500005

QC System

QC Dip Tubes Standard

Item Number	Container Type	DT Nomen-clature
41010051	IBC	DT-62PE-XXX-1040-TF
41010032	Drum	DT-62PE-XXX-0915-TF
20200047	Twin Drum	DT-62PE-XXX-0890-T
41010061	Twin Drum	DT-62PE-XXX-0900-TF

RIKUTEC Closures

Item Number	Description
21300102	S62 PE Non-Vented Closure
21300202	S62 PE Vented Closure
23010021	QCII Tamper Proof Cap
23010031	Red Safety Seal for Cap
23010032	Blue Safety Seal for Cap
23030021	Tamper Proof Cap for Entegris Dip Tubes

Other RIKUTEC Accessories

Item Number	Description
21410011	Non-Vented 42X2 Closure
22010101	S56 PE Gasket
22010102	S56 POE Type 1 Gasket
22010103	S56 POE Type 2 Gasket
22010201	S62 PE Gasket
22010202	S62 POE Type 1 Gasket
22010203	S62 POE Type 2 Gasket
22010301	S70 PE Gasket
22010302	S70 POE Type 1 Gasket
22010303	S70 POE Type 2 Gasket
22010501	S42 PE Gasket
22010502	S42 POE Type 1 Gasket
22010503	S43 POE Type 2 Gasket
43010005	PE 1" Drum Wrench
43010006	POM 1" Drum Wrench
43010007	PVDF 1" Drum Wrench
43010012	PE 1/2" Drum Wrench
60010010	Liquid Level for Drum
60010020	Liquid Level for IBC



Contact for more information

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