



When safety and purity are a must

RIKUTEC Product Portfolio

ABOUT RIKUTEC

The RIKUTEC Group is an innovative and internationally orientated group of companies in the field of blow-molding. For 40 years, the RIKUTEC Group has evolved from several closely linked company units into a globally known, cutting-edge company.

RIKUTEC America was founded 2002 in Whitinsville, MA, as the sales and technical source for the North American Market. In 2023 RIKUTEC America relocated to Anderson, SC.

RIKUTEC is the one-stop source for high-purity packaging and dispensing equipment for the semiconductor industry. All of our high-purity HDPE drums and IBCs are manufactured at our plant in Altenkirchen, Germany.

Contact

RIKUTEC AMERICA

RIKUTEC Group
2510-B W. Whitner St
Anderson, SC 29624

Phone: (508) 234-7300

info@rikutec.com

www.rikutec.com

Industrial Packaging

For over 20 years, RIKUTEC has been the leader in Industrial Packaging for the Semiconductor Industry. Our Blow molding technology incorporates multiple layers of resin for your packaging needs. Our IBCs and Drums are manufactured from 100% HDPE, with no metal parts included in the finished product. With an inner layer of virgin HDPE for contact with the chemical, our containers exhibit trace amounts of Ion leaching and low particle counts.



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.

Poly IBC UC 2.0



Poly IBC UC-S 2.0



Poly IBC CD 2.0

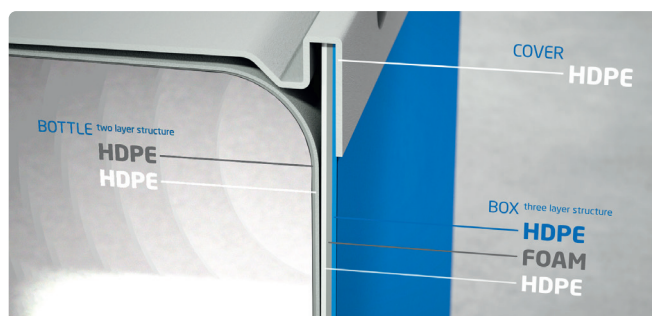
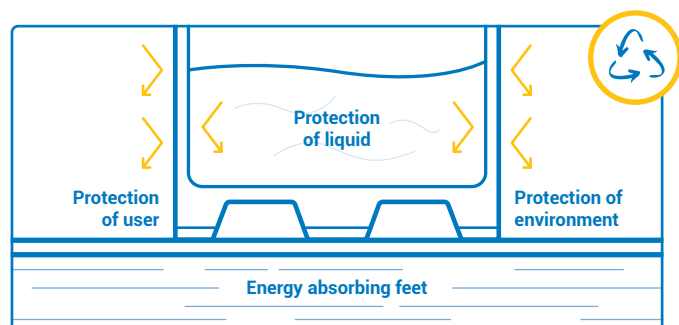


Poly IBC GR



TECHNICAL SPECIFICATIONS

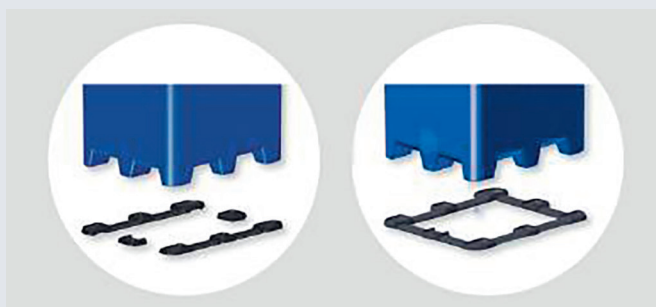
	Poly IBC UC 2.0	Poly IBC UC-S 2.0	Poly IBC CD 2.0	Poly IBC GR
Usage	High-Purity Chemicals (PG II, III)	Nitric Acid	High – Purity Flammable (PG II,III)	High-Purity Chemicals (PG II, III)
Materials – Outer Box	3 layer HDPE	3 layer HDPE	3 layer HDPE, Carbon Added	3 layer HDPE
Materials - Cover	2 layer HDPE	2 layer HDPE	2 layer HDPE, Carbon Added	2 layer HDPE
Materials – Inner Bottle	1 layer HDPE - External 1 layer High-purity HDPE - Internal	1 layer HDPE - External 1 layer High-purity HDPE - Internal	1 layer HDPE, Carbon Added - External 1 layer High-purity HDPE - Internal	1 layer HDPE - External 1 layer High-purity HDPE - Internal
Dimensions	1000 mm X 1200 mm X 1175 ± 2% mm (39.4 in X 47.2 in X 46.3 ± 2% in)	1000 mm X 1200 mm X 1175 ± 2% mm (39.4 in X 47.2 in X 46.3 ± 2% in)	1000 mm X 1200 mm X 1175 ± 2% mm (39.4 in X 47.2 in X 46.3 ± 2% in)	1000 mm X 1200 mm X 1175 ± 2% mm (39.4 in X 47.2 in X 46.3 ± 2% 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. 1841 kg (4050 lb)	1+2 Empty 1+1 Full, max. 1841 kg (4050 lb)	Not Stackable	1+2 Empty 1+1 Full, max. 1841 kg (4050 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- RIKU- TEC/0/2070	31HH1/Y/****/D/ BAM 6968- RIKU- TEC/3314/2050
DOT Specification	31HH1/Y/****/USA/ +AA11220/0/2010	UC-S Does not have DOT Specification	N/A	N/A



ACCESSORIES

Pallet Boards

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



Cover

- Protection of Bungs and IBC against the elements
- Fits onto any RIKUTEC Poly IBC
- Huvex Cover for strengthened UV- and heat resistance available



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 of handling high-purity liquids for the semiconductor, chemical, pharmaceutical and food industries. Each drum utilizes our patented multi-layer blow molding technology with 100% high-purity HDPE for all around protection against outside influences and trace materials.

All 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 (150 kPa). 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

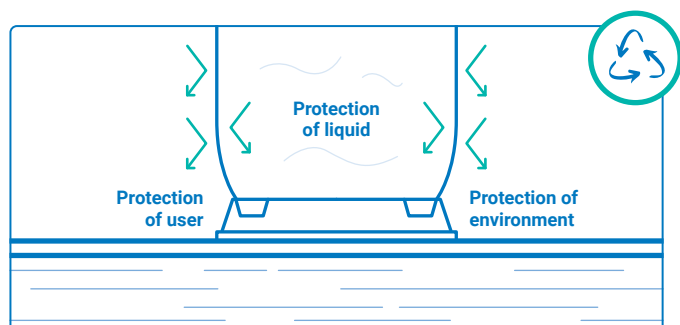


Twin Drum



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 - External 1 layer high-purity HDPE - Internal	1 layer HDPE - External 1 layer high-purity HDPE - Internal	1 layer HDPE, Carbon Added - External 1 layer HDPE - Internal	1 layer HDPE - External 1 layer high-purity HDPE - Internal
Materials – Inner Bottle	N/A	N/A	N/A	1 layer HDPE – External 1 layer High-purity HDPE – Internal
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	208 Per Truck (8 per Pallet) 208 Per Container	208 Per Truck (8 per Pallet) 208 Per Container	208 Per Truck (8 per Pallet). 208 Per Container	208 Per Truck (8 per Pallet). 200 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 6943-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 RIKUTEC Quick Connect System is the preferred way to properly extract and fill containers without external contamination or hazards. The RIKUTEC dip tube used in combination with the RIKUTEC dispense or recirculation head, will safely and effectively dispense or fill liquids into any container.

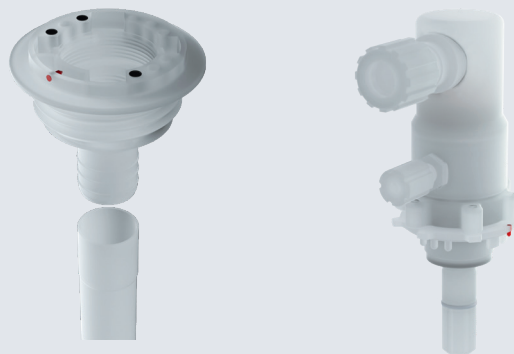
Benefits of the RIKUTEC Quick Connect System:

- Dip tubes are sized for any container for maximum dispensing
- 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 or recirculation head and the dip tube will allow the most preferred method of dispensing and filling.



RIKUTEC America has partnered with Kunststofftechnik Jaeger (KTJ) based in Braunschweig, Germany, as the distributor of Quick Connect dispensing equipment for the American market. KTJ was founded in 2003 as the successor to Jäger KG, which was incorporated with the Jäger Group in the 1970s. Together with their partner Riedel-de-Haen (now: Honeywell-Seelze), the Quick Connect System was developed in its basic form in 1994. As a specialist in the design and manufacture of components for sophisticated chemical handling, KTJ offers high-quality products for numerous industries.



Description	Options
Dip Tube Type	DT = RIKUTEC Quick Connect System II, DT3 = RIKUTEC Quick Connect System III
Connection of Thread	S56, S62, S64, S70, G2, NPT Pipe thread. More threading available upon request
Material Dip Tube	PP, PE, PVDF, 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)

RIKUTEC QUICK CONNECT SYSTEM TURNKEY SYSTEM SOLUTIONS

Poly IBC UC 2.0



SIZING FOR DIP TUBES

Criteria	Options	Criteria	Options
Fluid Flow System	QUICK CONNECT-2 (up to 25 L/min) QUICK CONNECT-3 (up to 25 L/min) G-Series (up to 100-150 L/min)	Chemical Coding	000 – 084 020 – Recirculation
Material Tube	Polypropylene (PP) Polyethylene (PE) Polyvinylidene Fluoride (PVDF) Conductive Polyethylene (CD)	Closures	¾" Plug Closed (S) ¾" Plug Vented (V) S42X2 Closed (T) S42X2 Vented (W)
Material Gasket	Polyolefin Elastomer (POE) Polyethylene (PE)	Additional Options	Bottom Bellow (F) Contact Ring (for CD) Grooved with Twist Lock (IBC 2.0)
Bung Size and Thread	S56X4, S62X5, S64X5, S70X6, G2"	Accessories	Tamper-Proof Caps with Flags Universal Wrench Docking Station
Length	Up to 1200+ mm		

RECOMMENDED DIP TUBES FOR RIKUTEC CONTAINERS

Container	Dip Tube with Bellow	Dip Tube without Bellow	Recirculation Dip Tube
UC-1000	DT-62PP-XXX-1040-TF DT-62PE-XXX-1040-TF	DT-62PP-XXX-1030-TD DT-62PE-XXX-1030-TD	DT-62PP-020-0000-T0 DT-62PE-020-0000-T0
UC-1000 2.0	DT-62PP-XXX-1040-TF-R DT-62PE-XXX-1040-TF-R	DT-62PP-XXX-1030-TD-R DT-62PE-XXX-1030-TD-R	DT-62PP-020-0000-T0-R DT-62PE-020-0000-T0-R
UC-S-1000	DT-62PE-XXX-1040-TF	DT-62PE-XXX-1030-TD	DT-62PE-020-0000-T0
UC-S-1000 2.0	DT-62PE-XXX-1040-TF-R	DT-62PE-XXX-1030-TD-R	DT-62PE-020-0000-T0-R
CD-1000	DT-62CD-XXX-1040-TF	DT-62CD-XXX-1030-TD	DT-62CD-020-0000-T0
CD-1000 2.0	DT-62CD-XXX-1040-TF-R	DT-62CD-XXX-1030-TD-R	DT-62CD-020-0000-T0-R
GR-1000	DT-62PP-XXX-1040-TF-R DT-62PE-XXX-1040-TF-R	DT-62PP-XXX-1030-TD-R DT-62PE-XXX-1030-TD-R	DT-62PP-020-0000-T0-R DT-62PE-020-0000-T0-R
UC-Drum	DT-62PP-XXX-0915-TF DT-62PE-XXX-0915-TF	DT-62PP-XXX-0905-TD DT-62PE-XXX-0905-TD	DT-62PP-020-0000-T0 DT-62PE-020-0000-T0
UC-Drum HD	DT-62PP-XXX-0915-TF DT-62PE-XXX-0915-TF	DT-62PP-XXX-0905-TD DT-62PE-XXX-0905-TD	DT-62PP-020-0000-T0 DT-62PE-020-0000-T0
Twin Drum	DT-62PE-XXX-0900-TF	DT-62PE-XXX-0890-TD	DT-62PE-020-0000-T0
CD-Drum	DT-62CD-XXX-0915-TF	DT-62CD-XXX-0905-TD	DT-62CD-020-0000-T0

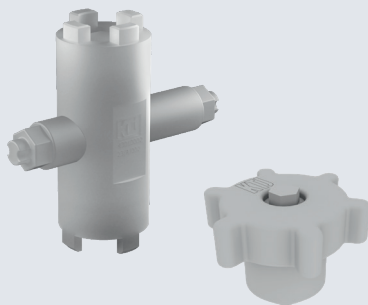
SIZING FOR DISPENSE HEADS

Criteria	Options	Criteria	Options
Fluid Flow System	QUICK CONNECT-2 (up to 25 L/min) QUICK CONNECT-3 (up to 25 L/min) G-Series (up to 100-150 L/min)	Chemical Coding	000 – 084 020 – Recirculation
Material Head	Polyethylene (PE) Polyvinylidene Fluoride (PVDF) Conductive Polyethylene (CD)	Orientation of Connections	Fluid: Vertical, Horizontal Vent: Horizontal, can include vertical adapter
Material Gasket	EPDM Viton (FKM) Kalrez (FFKM)	Fluid Connector	Flaretek Flange (F1", F¾", F½", F3/8") R-Connector (R½") NPT (F1", F¾", F½", F3/8") R-Connector (R½")
Fluid Flow	Dispense (with Check Valve) Fill/Recirculation (with Check Valve) Multiway with Turncock	Vent Connector	Flaretek Flange (F½", F3/8", F¼") NPT (½", 3/8", ¼")
		Accessories	Tamper-Proof Caps with Flags Universal Wrench Docking Station

QC SYSTEM ACCESSORIES

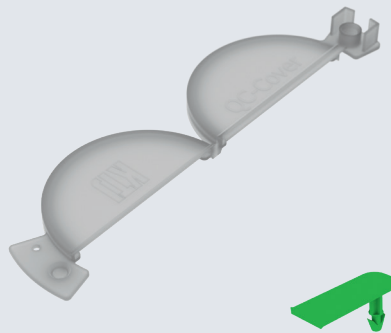
Universal and Compact Wrenches

- Metal-Free Wrenches for all RIKUTEC Quick-Connect System adapters.
- Allows for safe and easy mounting and loosening/tightening of closures
- Can be made for use with Torquing Wrench



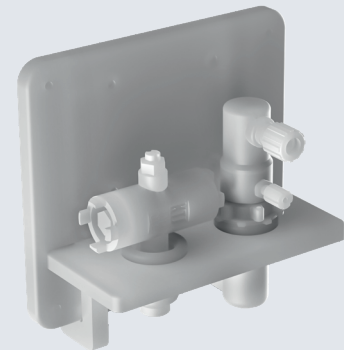
Tamper-Proof Caps and Seal Flags

- Protects against tampering on dip tubes and bung caps
- Stable during transportation
- Flags come in multiple colors for use in transportation



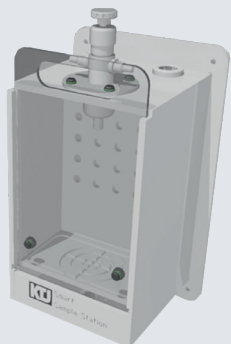
Docking Station

- Built-in housing unit for all Quick Connect Accessories, including:
- Dispense Heads
- Wrenches
- Code Checkers
- Available in 2 – 4 units
- Made from high quality PE



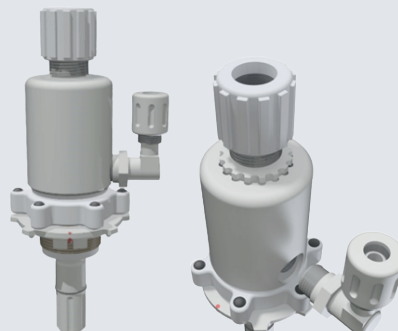
Sampling Station

- Used to extract chemical samples in clean environment
- Keeps liquid and vapor inside during chemical sampling
- Made from High-Purity Resin
- Can be made to fit any bottle and bottle cannot overflow when tightened



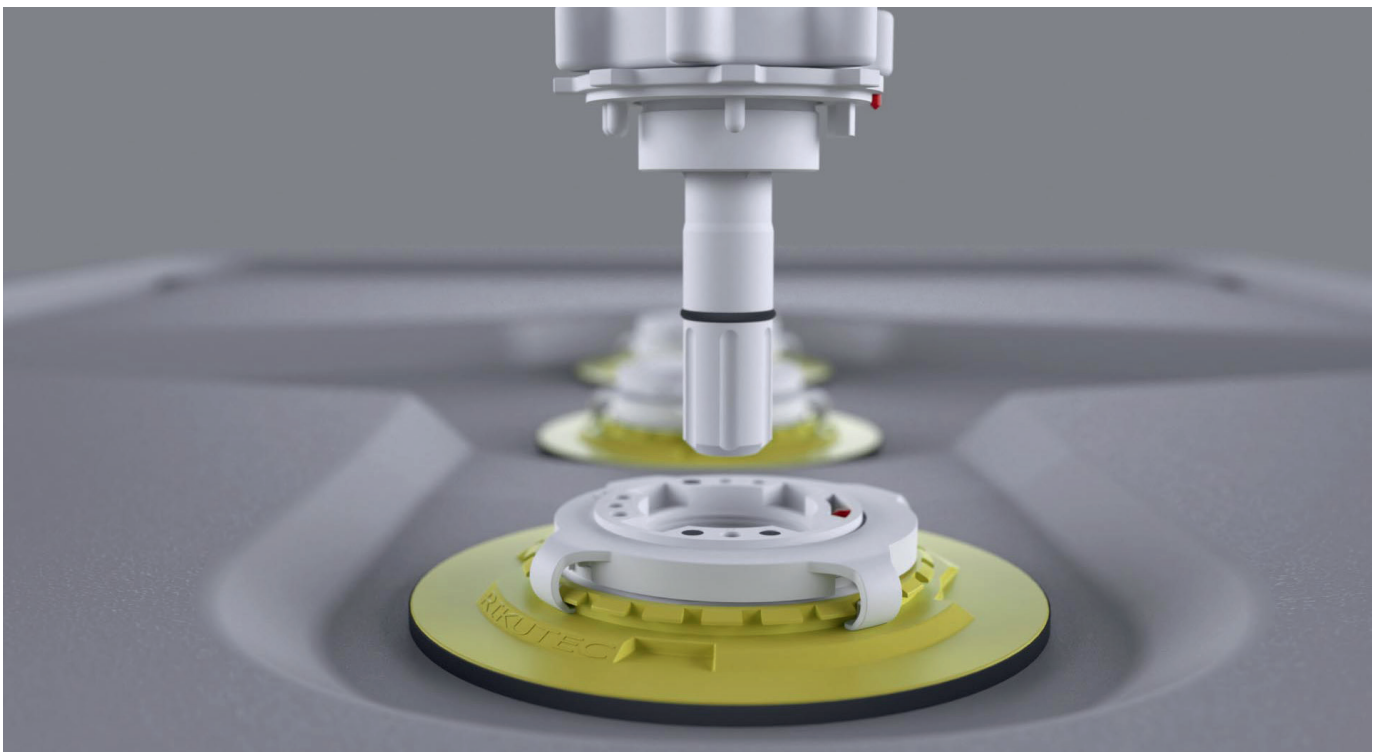
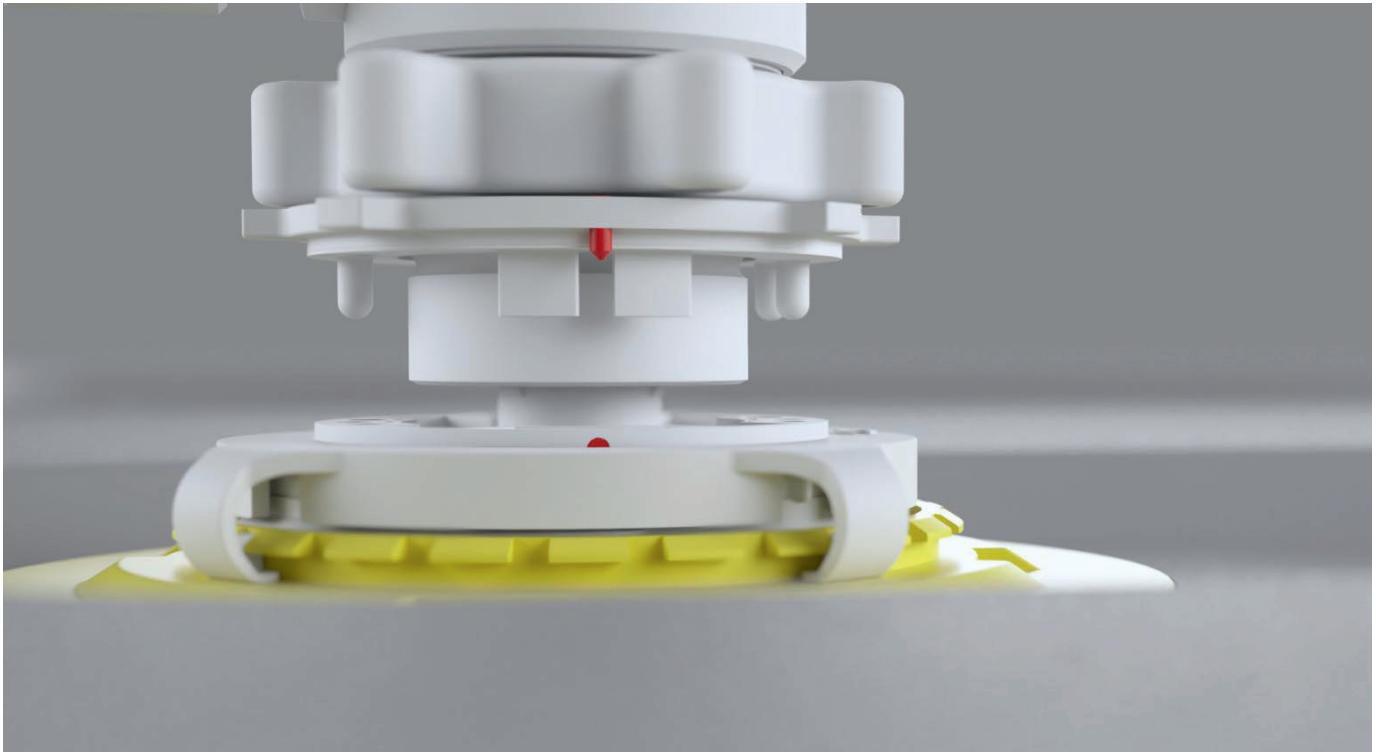
Dispense Head – 3.0

- Sleeker Head for better fluid flow
- Interchangeable fluid and vent ports
- Can be used with any connection for fluid and gas transfer



RIKUTEC QUICK CONNECT SYSTEM

Trust in our expertise with 25 years of experience in the production of Quick Connect Systems for high-purity applications in collaboration with our longstanding partner





Contact for more information

RIKUTEC AMERICA

RIKUTEC Group
2510-B W. Whitner St
Anderson, SC 29624
Phone: (508) 234-7300
info@rikutec.com
www.rikutec.com