

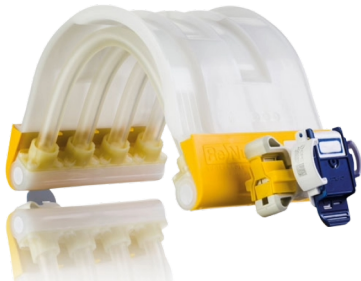
ReNu SU Technology cartridge



Sterile ReNu SU Technology cartridge

Features and benefits

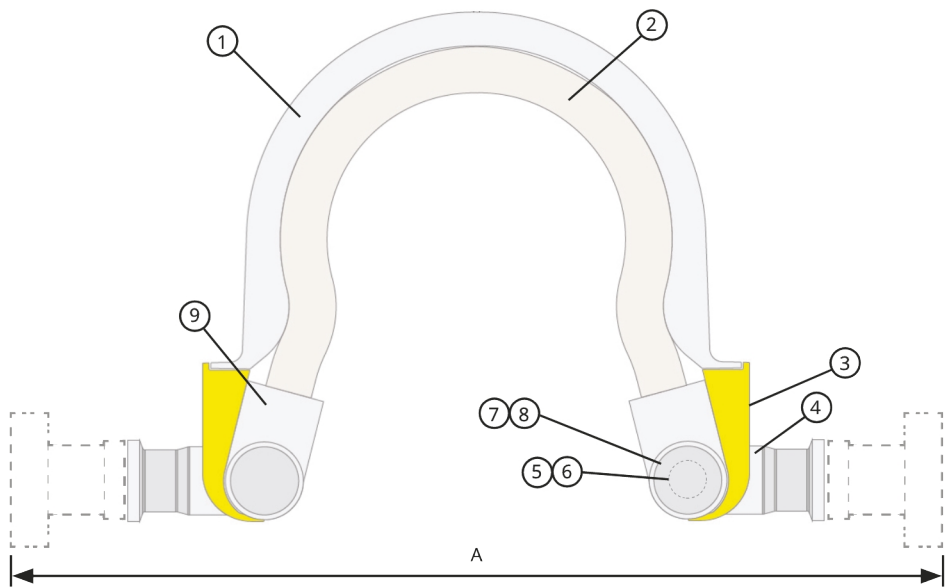
- Choose from a range of industry-standard aseptic connectors
- Maintain batch integrity
- Assemblies available with 10⁻⁶ sterility assurance level
- Maximise manufacturing flexibility and eliminate operator error
- Suitable for use with the Quantum pump
- Pressures up to 3 bar and flows up to 20 L/min



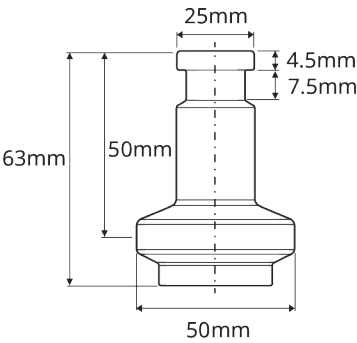
Technical specifications

	ReNu SU Technology cartridge
Flow rate	2 L/min to 20 L/min
Flow rate	120 L/h to 1200 L/h
Operating temperature	5 °C to 37 °C (41 °F to 98.6 °F)
Pump type	Cased
Connection	3/4" TC
Bore size	8.8 mm (0.346 in)
Shelf life	2 years
Static pressure limit	Do not exceed 6 Bar
Total cartridge volume	139 ml
Wetted surface area	Total area = 416 cm ² , Tubing (polyurethane) = 297 cm ² , Manifolds (HDPE USP VI) = 119 cm ²
Priming	Self priming
Certification and compliance	ISO 10993-10, ISO 10993-11, ISO 10993-4, ISO 10993-6, USP <788>, USP <85>, USP <87>, USP <88>
BSE/TSE safe	Yes, compliant with EMEA 410/01 Rev 3
Tube gas Q permeability for oxygen	21 m ² /(sPa)x10 ⁻¹⁸
Traceability	All material fully traceable back to raw materials
Dry running time	Do not exceed 2 mins

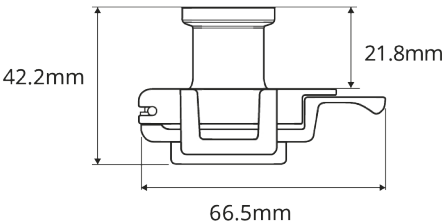
ReNu SU Technology cartridge dimensions



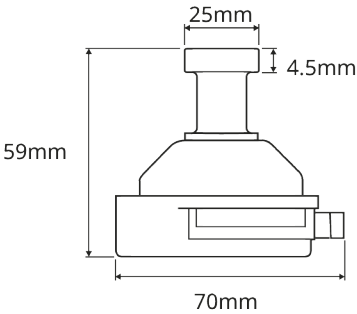
Standard Aseptic Connectors



GE Readymate
(28-9366-95)



CPC AseptiQuik G
(AQG33012)



Pall Kleenpak Presto
(PSC1G08)

	Component	Material
1	Quantum track liner	HDPE (USPVI)
2	Quantum tube element	Polyurethane
3	Label, Product	Paper
4	Quantum manifold	HDPE (USPVI)
5	Quantum end cap	HDPE (USPVI)
6	Magnet	Neodymium, N35SH
7	Quantum cover plate	HDPE (USPVI)
8	Label, end cap	Paper
9	Quantum collet/joiner	Nylon 66
Aseptic connector		Dimension A (mm)
Kleenpak Presto Sterile Connector, 3/4" TC		313.0
Readymate Disposable Aseptic Connector, 3/4" TC		313.0
AseptiQuik G Genderless Connector, 3/4" TC		277.5
Cartridge only (no connectors)		195.0

Materials of construction - Cartridge assemblies and connection kits

Component	Material
Biopure Pt Silicone single braided hose	Platinum cured braid-reinforced silicone hose
BioBarb 5/8" Mini	Polypropylene
Q-Clamp Tamper Evident Cover, Yellow	Polypropylene
Q-Clamp, 1/2" - 3/4" TC	Glass Reinforced Nylon
Sanitary Gasket, 3/4" Unflanged	Silicone
BioEndCap	Polypropylene
Kleenpak Presto Sterile Connector, 3/4" TC	See manufacturers data - Pall (PSC1G08)
Readymate Disposable Aseptic Connector, 3/4" TC	See manufacturers data - GE (28-9366-95)
AseptiQuik G Genderless Connector, 3/4" TC	See manufacturers data - CPC (AQG33012)

Product codes

ReNu SU Cartridge Product Codes - RENU SU CARTRIDGE 600 20/3P

Partcode	Description	Additional details	End termination
33-1061-000001	RENU SU CARTRIDGE 600 20/3P	Not gamma irradiated	2 x 3/4" TC sealed with Bioendcap
33-1061-000002	RENU SU CARTRIDGE 600 20/3P, IRRADIATED	Gamma irradiated and released based on an exposure of 25 kGy to 45 kGy	
33-1062-000002	RENU SU 600 20/3P GAMMA WITH PRESTO IN/OUT-STR	Gamma irradiated at 25kGy to 45kGy and certified (SAL) level of 1 x 10-6 CFU	2 x Kleenpak Presto Sterile Connector, 3/4" TC (PSC1G08)
33-1062-000003	RENU SU 600 20/3P GAMMA WITH READYMATE IN/OUT-STR	Gamma irradiated at 25kGy to 45kGy and certified (SAL) level of 1 x 10-6 CFU	2 x Readymate Disposable Aseptic Connector, 3/4" TC (28-9366-95)
33-1062-000004	RENU SU 600 20/3P GAMMA WITH ASEPTIQUIK G IN/OUT-STR	Gamma irradiated at 25kGy to 45kGy and certified (SAL) level of 1 x 10-6 CFU	2 x AseptiQuik G Genderless Connector, 3/4" TC (AQG33012)

1. This assembly has been gamma irradiated and released based on an exposure of 25 kGy to 45 kGy.
2. A sterilisation validation study has been conducted according to the ISO11137-2, Method Vdmax25 to verify that that a master assembly will meet a sterility assurance level (SAL) of 10-6, when irradiated to a minimum of 25 kGy. This product has been released on the basis of being a section of the master assembly validation study.
3. Installation recommendations— Avoid sharp bends in pipework. Recommended minimum exit hose length is 2 meters.

STR Denotes that this product is supplied with sterility assurance

ReNu SU Technology Product Codes - Cartridge Assemblies

Partcode	Description	Assembly tubing length	Additional details	End termination
33-1063-000001	RENU SU 600 20/3P GAMMA ASEPTIQUIK G IN/OUT, 0.5/0.5 MTR STR	0.5m (x2)	Gamma irradiated at 25kGy to 45kGy and certified (SAL) level of 1 x 10-6 CFU	2 x AseptiQuik G Genderless Connector, 3/4" TC (AQG33012)
33-1063-000002	RENU SU 600 20/3P GAMMA ASEPTIQUIK G IN/OUT, 1.0/1.0 MTR STR	1.0m (x2)	Gamma irradiated at 25kGy to 45kGy and certified (SAL) level of 1 x 10-6 CFU	
33-1063-000003	RENU SU 600 20/3P GAMMA ASEPTIQUIK G IN/OUT, 2.0/2.0 MTR STR	2.0m (x2)	Gamma irradiated at 25kGy to 45kGy and certified (SAL) level of 1 x 10-6 CFU	
33-1063-000004	RENU SU 600 20/3P GAMMA ASEPTIQUIK G IN/OUT, 3.0/3.0 MTR STR	3.0m (x2)	Gamma irradiated at 25kGy to 45kGy and certified (SAL) level of 1 x 10-6 CFU	

ReNu SU Connection Kit Product Codes

Partcode	Description	Assembly tubing length	Additional details	End termination
33-1069-000001	RENU SU CONNECTION KIT, BRAID TUBING, 3/4" TC, 0.5 MTR-NON	0.5m	NA	2 x 3/4 TC sealed with Bioendcap
33-1069-000002	RENU SU CONNECTION KIT, BRAID TUBING, 3/4" TC, 1 MTR-NON	1.0m	NA	
33-1069-000003	RENU SU CONNECTION KIT, BRAID TUBING, 3/4" TC, 3 MTR-NON	3.0m	NA	
33-1069-000004	RENU SU CONNECTION KIT, BRAID TUBING, 3/4" TC, 2 MTR-NON	2.0m	NA	

Kits comprise of:

1 x tubing (Biopure 15.9mm ID Pt Silicone single braided hose) ends terminated with BioBarb™ 5/8" Mini.

Fittings (supplied loose):

2 x Q-Clamp Tamper Evident Cover, Yellow

2 x Q-Clamp, 1/2" - 3/4" TC

2 x Sanitary Gasket, 3/4" Unflanged

Packing/Sterility details: All components are manufactured and assembled in ISO 14644 class 7 (class 10,000, Grade C) cleanrooms of production facilities operating ISO 9001 quality management systems. The cleanrooms are air conditioned to ensure temperature and humidity.

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