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About Us

Innova Bio-Meditech is one of the professional solution provider of laboratory and medical devic es. Firmly committed to our mission of "sharing innovative bio-meditech solutions with the world", we are dedicated to innovation in the fields of Biology Project, Life Science, Pharmacy Industry and Medical Treatment.

Innova Bio-Meditech possesses a sound distribution and service network with business partners in North and Latin America, Europe, Africa and Asia-Pacific etc. We have built up a well established R&D, manufacture network with 3 centers in Qingdao, Shanghai and Suzhou. Inspired by the needs of our customers, we adopt advanced technologies and transform them into accessible innovation. This means constant effort and research, in order to more fully understand the developments of the market, INNOVA produce constantly upgraded product ranges by adding new products year after year.

The passion for science

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Fermentation Items

Feed bottle

Features

- Refill nozzle material: first-class non-toxic PTFE
- Fermenter feed bottle accessories: using high quality stainless steel 316L
- Accessories include: cap, stainless steel vent tube, silicone gasket, refill nozzle, without silicone tube
- Upgraded version with a cap for the resin high temperature 180 °C, cap autoclaved, there is no deformation, discolouration
- Bottle glass used: imitation of German ISOLAB is made of standard borosilicate 3.3 glass explosionproof reagent bottles



Order Code	Specification/Volume	GL	D(mm)	H(mm)
5.1.1	25ml	32	36	74
5.1.2	50ml	32	46	91
5.1.3	100ml	45	56	105
5.1.4	250ml	45	70	143
5.1.5	500ml	45	85	182
5.1.6	750ml	45	100	185
5.1.7	1000ml	45	100	231
5.1.8	2000ml	45	132	273
5.1.9	4000ml	45	160	349
5.1.10	5000ml	45	180	360
5.1.11	7500ml	45	210	369
5.1.12	10000ml	45	210	461
5.1.13	20000ml	45	288	510

Microfermenter feed bottle

Features

- Made of standard borosilicate 3.3 glass with 316L stainless steel refill fittings
- Stainless steel original piece is made of thickened stainless steel with a thickness of 3mm
- Adopt upper and lower double-sided welding



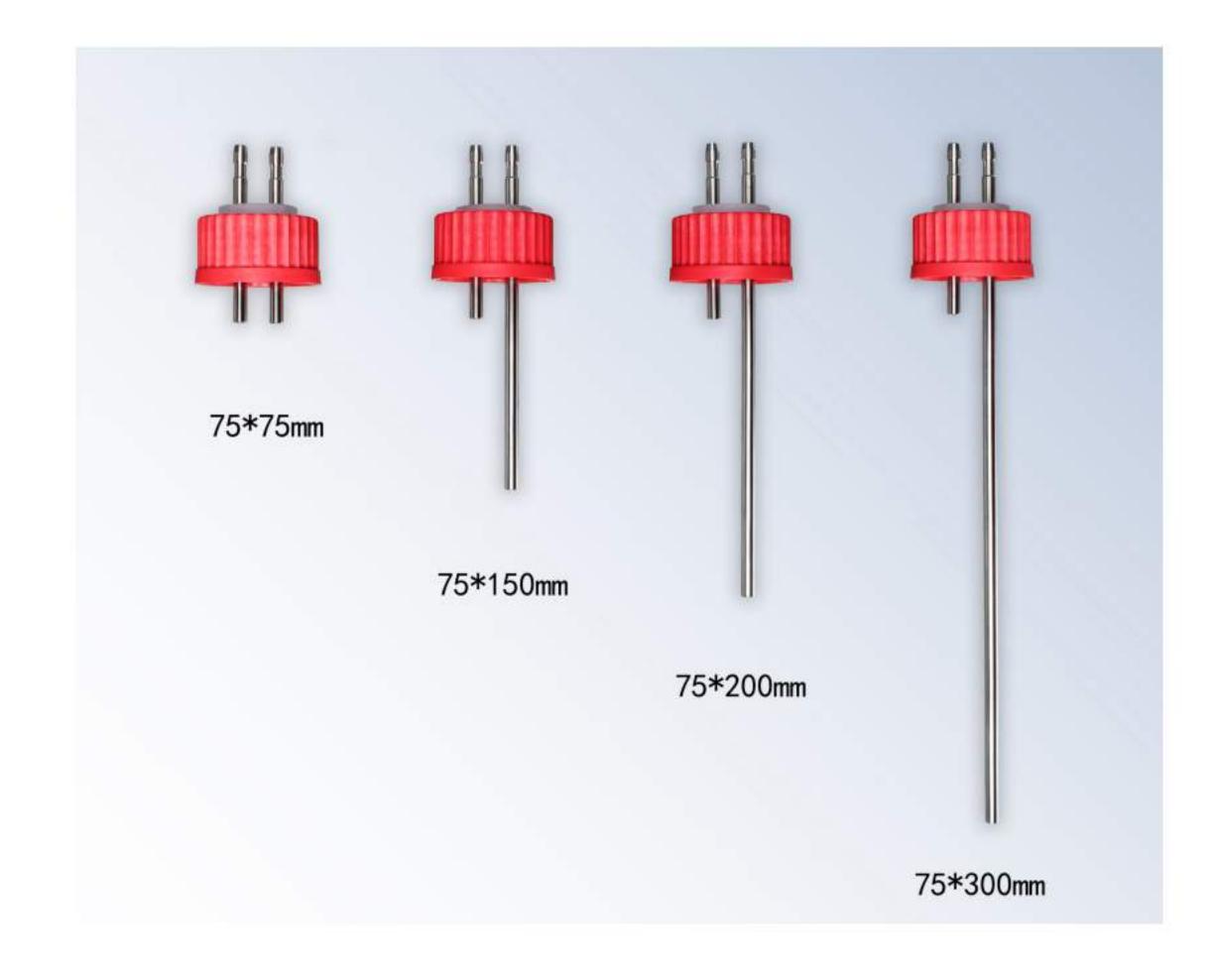
Technical Parameter

Order Code	Product Name	Inner Diameter (mm)	Outer Diameter (mm)	Connection Tube Inner Diameter(mm)	Height(mm)
5.2.1	Small Fitting	2	4	3	
5.2.2	Middle fitting	4	6	5	
5.2.3	bottle body	17	22		80
5.2.4	gasket	1	1		1

Feeding needle adapter

Features

- Upgrade the welding process, our company now all upgraded to imported automatic welding machine, automatic completion of the welding, seamless welding and uniform interface and beautiful
- All of our welding products are polished manually with high price, the inner diameter of the tube is bright and the polishing quality is more stable



- PBT material bottle cap, temperature resistant 180C, can be repeatedly sterilised without deformation
- Silicone gel is tightly connected with the opening cap and refill tube to ensure the sealing

Technical Parameter

Order Code	Specification/Volume
5.3.1	75*75
5.3.2	75*150
5.3.3	75*200
5.3.4	75*300

Feeding needle

Features

 Thread type RD28 thread, universal all imported and domestic fermenters supporting the use of upgraded welding process, seamless welding and uniform and beautiful refill needle using highquality 316L stainless steel BA bright tube, to ensure the safety of pharmaceutical liquids to support the processing of custom-made



Technical Parameter

Order Code	Product Name	Specification/Volume	Inner Diameter (mm)	Outer Diameter (mm)
5.4.1	One-Way Feeding Needle	Small	3	4.5
5.4.2	One-way feeding needle	Middle	4	6
5.4.3	One-way feeding needle	Large	5	8
5.4.4	Two-way feeding needle	Middle	4	6
5.4.5	Two-Way Feeding Needle	Middle	4	6

Fermenter special feed bottle adapter

Features

- Upgrade the welding process, our company is now all upgraded to imported automatic welding machine, automatic completion of welding, seamless welding and uniform interface beautiful
- All of our welding products are polished manually at a high price, the inner diameter of the tube is bright, polishing quality is more stable



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• Thickened stainless steel thickness of 3mm, no deformation and no air leakage.PBT material cap, temperature resistant 180°C, can be repeatedly sterilised without deformation

Technical Parameter

Order Code	GL	Product Name	Specification/ Volume	Inner Diameter(mm)	Outer Diameter(mm)	Suitable Inner Diameter Of Silicone Tube
6.15.1	45	Two-Way	S	2	4 and 5.5	3mm
6.15.2	45	Two-way	М	4	6 and 7.5	5mm
6.15.3	45	Two-way	<u>L</u>	6	8 and 9.8	7mm
6.15.4	45	Three-way	S	2	4 and 5.5	3mm
6.15.5	45	Three-Way	М	4	6 and 7.5	5mm
6.15.6	45	Three-way		6	8 and 9.8	7mm
6.15.7	45	Four-Way	S	2	4 and 5.5	3mm
6.15.8	45	Four-Way	М	4	6 and 7.5	5mm
6.15.9	45	Four-Way	Ĺ	6	8 and 9.8	7mm
6.15.10	45	Five-way	XS	1	3	2mm
6.16.1	80	Two-way	S	2	4 and 5.5	3mm
6.16.2	80	Two-way	M	4	6 and 7.5	5mm
6.16.3	80	Two-way	<u>L</u>	6	8 and 9.8	7mm
6.16.4	80	Three-way	S	2	4 and 5.5	3mm
6.16.5	80	Three-way	М	4	6 and 7.5	5mm
6.16.6	80	Three-way	<u>L</u>	6	8 and 9.8	7mm
6.16.7	80	Four-way	S	2	4 and 5.5	3mm
6.16.8	80	Four-way	М	4	6 and 7.5	5mm
6.16.9	80	Four-way	L	6	8 and 9.8	7mm

MFC(microbial fuel cell)

Standard MFC (two-compartment)

Double chamber 14ml (single chamber 7ml), double chamber 28ml (single chamber 14ml) double chamber 56ml (single chamber 28ml), double chamber 100ml (single chamber 50m1), double chamber 236ml (single chamber 118ml)

Features

- Screws are made of high quality 304 corrosion resistant
- Each chamber is processed by diamond cutter to ensure smoothness



- Gasket and chamber precision with the main card gasket, gasket is not easy to loose
- Free silicone plugs for each single chamber
- Side holes are available for customisation
- Side can be equipped with optical quartz glass
- Imported acrylic material, not autoclavable, processed by imported diamond cutter, high transmittance

Order Code	Specification/Volume	Length*Width*Height	Hole D(mm)
6.1.1	7ml	50*50*22	20
6.1.2	14ml	50*50*22	30
6.1.3	28ml	60*60*24	39
6.1.4	50ml	80*80*40	40
6.1.5	118ml	90*90*50	56

Four-compartment microbial fuel cell box

Features

 Each chamber is machined with a diamond tool to ensure finish, with a single chamber capacity of 14ml and 4 chambers combined to make 56ml



Technical Parameter

Order Code	Specification/ Volume	' Langth'Width'Haight	
6.2.1	28ml(Two Compartment)	50*50*22	28

MFC quick connection reactor

Features

- Double chamber 100ml (single chamber 50ml), double chamber 236ml (single chamber 118ml)
- Imported acrylic material, not high temperature and high pressure sterilization, the use of imported diamond cutter processing, high transmittance, optical glass models placed under the glass inlaid with quartz glass gasket to reduce the pressure of plexiglass and quartz glass to prevent the glass from bursting



Technical Parameter

Order Code	Specification/ Volume	Length*Width*Height	Hole D(Mm)
6.3.1	50ml	80*80*40	40
6.3.2	118ml	90*90*30	56

MFC Microbial reactor

The reactors are divided into clamp fixed type and anchor ear fixed type, with pagoda head and anaerobic head. The reactor fixed by the anchor ear is relatively better sealed. Bottle body and interface materials are selected high-quality borosilicate material production quality is stable and reliable. 30ml 50ml flange mouth inner diameter of 23mm, the rest of the capacity of the flange mouth inner diameter of 33mm. Supporting non-standard customisation.

Clamp fixed Type

Technical Parameter

Order Code	Volume	GL	Туре	Port	D(mm)	H(mm)
6.5.1	50ml	32	Type I	No	46	91
6.5.2	100ml	45	Type I	No	56	105
6.5.3	250ml	45	Type I	No	70	143
6.5.4	500ml	45	Type I	No	85	182
6.5.5	1000ml	45	Type I	No	100	231

Accessory

4.14.1/4.14.3	Stainless steel grinding clip 28# for 50ml and 50# for the others
4.11.1/4.11.2	O-ring special for 50ml/ o-ring special for 100ml, 250ml, 500ml and 1000ml
2.2.3/2.2.4	PBT Headspace cap GL32/ PBT Headspace cap GL45

Clamp fixed Type

Order Code	Volume	GL	Туре	Port	D(mm)	H(mm)
6.7.1	50ml	32	Type II	Pagoda Head	46	91
6.7.2	100ml	45	Type II	Pagoda Head	56	105
6.7.3	250ml	45	Type II	Pagoda Head	70	143
6.7.4	500ml	45	Type II	Pagoda Head	85	182
6.7.5	1000ml	45	Type II	Pagoda Head	100	231

Accessory

4.14.1/4.14.3	Stainless steel grinding clip 28# for 50ml and 50# for the others
4.11.1/4.11.2	O-ring special for 50ml/ o-ring special for 100ml, 250ml, 500ml and 1000ml
4.13.1/4.13.2/4.13.3/4.13.4	Pagoda head for gl14 cap
2.2.3/2.2.4	PBT Headspace cap GL32/ PBT Headspace cap GL45



Technical Parameter

Order Code	Volume	GL	Туре	Port	D(mm)	H(mm)
6.9.1	50ml	32	Type III	Pagoda Head	46	91
6.9.2	100ml	45	Type III	Pagoda Head	56	105
6.9.3	250ml	45	Type III	Pagoda Head	70	143
6.9.4	500ml	45	Type III	Pagoda Head	85	182
6.9.5	1000ml	45	Type III	Pagoda Head	100	231

Accessory

4.14.1/4.14.3	Stainless steel grinding clip 28# for 50ml and 50# for the others
4.11.1/4.11.2	O-ring special for 50ml/ o-ring special for 100ml, 250ml, 500ml and 1000ml
4.13.1/4.13.2/4.13.3/4.13.4	Pagoda head for GL14 cap
2.2.3/2.2.4	PBT Headspace cap GL32/ PBT Headspace cap GL45



Technical Parameter

Order Code	Volume	GL	Туре	Port	D(mm)	H(mm)
6.8.1	50ml	32	Type II	Anaerobic Head	46	91
6.8.2	100ml	45	Type II	Anaerobic Head	56	105
6.8.3	250ml	45	Type II	Anaerobic Head	70	143
6.8.4	500ml	45	Type II	Anaerobic Head	85	182
6.8.5	1000ml	45	Type II	Anaerobic Head	100	231

Accessory

4.14.1/4.14.3	Stainless steel grinding clip 28# for 50ml and 50# for the others
4.11.1/4.11.2	O-ring special for 50ml/ o-ring special for 100ml, 250ml, 500ml and 1000ml
4.6.1/4.6.2	Anaerobic plug/Aluminium alloy cap
2.2.3/2.2.4	PBT headspace cap gl32/ PBT headspace cap GL45

Anchor ear fixed Type

Technical Parameter



Order Code	Volume	GL	Туре	Port	D(mm)	H(mm)
6.6.1	50ml	32	Type I	No	46	91
6.6.2	100ml	45	Type I	No	56	105
6.6.3	250ml	45	Type I	No	70	143
6.6.4	500ml	45	Type I	No	85	182
6.6.5	1000ml	45	Type I	No	100	231

Accessory

4.15.1/4.15.2	Anchor ear 4-chain for 50ml/ 5-chain for the others
4.10.1	Tetrafluoro balanced flange
2.2.3/2.2.4	PBT Headspace cap GL32/ PBT Headspace cap GL45



Order Code	Volume	GL	Туре	Port	D(mm)	H(mm)
6.13.1	50ml	32	Type II	Pagoda Head	46	91
6.13.2	100ml	45	Type II	Pagoda Head	56	105
6.13.3	250ml	45	Type II	Pagoda Head	70	143
6.13.4	500ml	45	Type II	Pagoda Head	85	182
6.13.5	1000ml	45	Type II	Pagoda Head	100	231

Accessory

4.15.1/4.15.2	Anchor ear 4-chain for 50ml/ 5-chain for the others
4.10.1	O-ring special for 50ml/ O-ring special for 100ml, 250ml, 500ml and 1000ml
4.13.1/4.13.2/4.13.3/4.13.4	Pagoda head for GL14 cap
2.2.3/2.2.4	PBT Headspace cap GL32/ PBT Headspace cap GL45



Technical Parameter

Order Code	Volume	GL	Туре	Port	D(mm)	H(mm)
6.14.1	50ml	32	Type III	Pagoda Head	46	91
6.14.2	100ml	45	Type III	Pagoda Head	56	105
6.14.3	250ml	45	Type III	Pagoda Head	70	143
6.14.4	500ml	45	Type III	Pagoda Head	85	182
6.14.5	1000ml	45	Type III	Pagoda Head	100	231

Accessory

4.15.1/4.15.2	Anchor ear 4-chain for 50ml/ 5-chain for the others
4.10.1	O-ring special for 50ml/ O-ring special for 100ml, 250ml, 500ml and 1000ml
4.13.1/4.13.2/4.13.3/4.13.4	Pagoda head for GL14 cap
2.2.3/2.2.4	PBT Headspace cap GL32/ PBT Headspace cap GL45



Technical Parameter

Order Code	Volume	GL	Туре	Port	D(mm)	H(mm)
6.12.1	50ml	32	Type II	Anaerobic Head	46	91
6.12.2	100ml	45	Type II	Anaerobic Head	56	105
6.12.3	250ml	45	Type II	Anaerobic Head	70	143
6.12.4	500ml	45	Type II	Anaerobic Head	85	182
6.12.5	1000ml	45	Type II	Anaerobic Head	100	231

Accessory

4.15.1/4.15.2	Anchor ear 4-chain for 50ml/ 5-chain for the others
4.10.1	Tetrafluoro balanced flange
4.6.1/4.6.2	Anaerobic plug/Aluminium alloy cap
2.2.3/2.2.4	PBT Headspace cap GL32/ PBT Headspace cap GL45



Technical Parameter

Order Code	Volume	GL	Type	Port	D(mm)	H(mm)
6.11.1	50ml	32	Type III	Anaerobic Head	46	91
6.11.2	100ml	45	Type III	Anaerobic Head	56	105
6.11.3	250ml	45	Type III	Anaerobic Head	70	143
6.11.4	500ml	45	Type III	Anaerobic Head	85	182
6.11.5	1000ml	45	Type III	Anaerobic Head	100	231

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Accessor

4.15.1/4.15.2	Anchor ear 4-chain for 50ml/ 5-chain for the others
4.10.1	Tetrafluoro balanced flange
4.6.1/4.6.2	Anaerobic plug/Aluminium alloy cap
2.2.3/2.2.4	PBT Headspace cap GL32/ PBT Headspace cap GL45

Liquid waste filter

Features

• The filtration activated carbon canister of the waste liquid system is equipped with a spiral core, so that the exhaust gas is spiralling up, and through the increase in the trajectory of the corresponding extension of the movement of the exhaust gas gas distance distance increase also increases the contact time between the exhaust gas and the activated carbon, the contact time is long so that the exhaust gas adsorption of the fuller to enhance the adsorption effect, and so that the discharged exhaust gas is cleaner



Technical Parameter

Order Code	Product Name GL	Width(mm)	Height(mm)
7.1.1	4-hole lid with activated carbon filtration	53	151
7.1.2	GL45 4-hole lid	53	83
7.1.3	GL45 3-hole lid	53	83

Accessory

7.1.4	Charcoal canister
7.1.5	Pipe joint
7.1.6	Filter
7.1.7	Connector

Water bath electrolytic cell

Features

- Single-layer anaerobic port
- The double-sided one is the pagoda port
- There are 3 electrode quick connectors on the top of the PTFE cover, suitable for 6mm electrodes
- 2 gas inlet and outlet ports for 5x8 silicone tubing

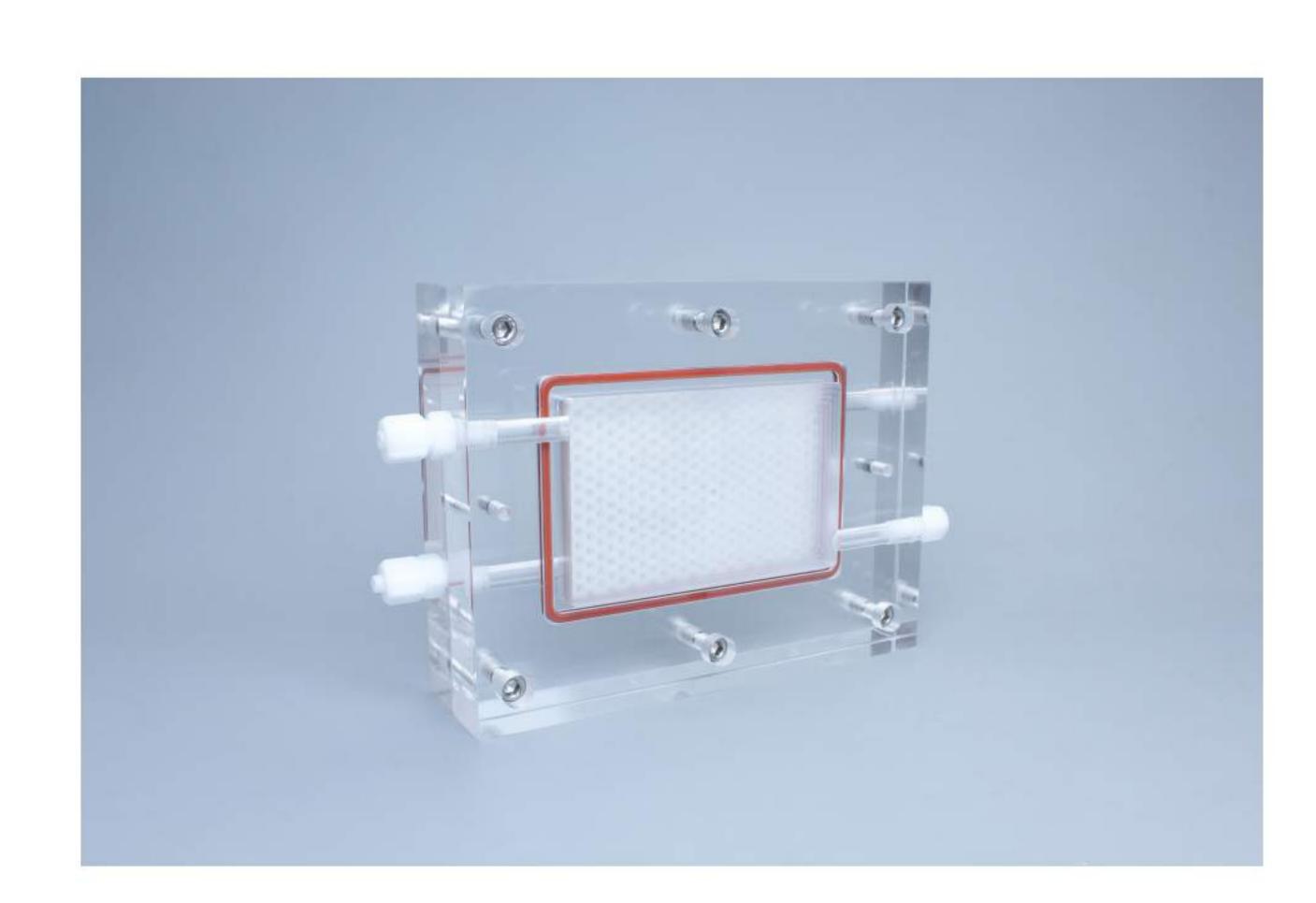




Technical Parameter

Order Code	Specification/Volume	Width(mm)	Height(mm)
8.1.1	double-deck	75	97
8.1.2	single-deck	80	132

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Membrane filter

Features

- Innovative new design using in and out of the water cyclone design, convenient liquid circulation
- Screw screws are made of high quality 304 corrosion resistance, nut butterfly design, easy to disassemble
- Each chamber is processed by diamond cutter to ensure smoothness
- Domestic first embedded gasket, gasket and cavity precision with the main card gasket
- Receiver size inner diameter 5mm outer diameter 8mm
- Silicone tube is mainly used in a variety of water treatment pre-test support custom

Order Code	Material
9.1.1	Imported Acrylic