



Water Bladder

水袋篇

Drinking on the move



How can we make a higher quality water bladder with lower price?

1. we are professional in all the raw materials which it needed, we know which materials are more suitable for the bladder, and guarantee all the materials can be passed the tests of FDA, LFGB, GB, CE, etc.
2. we have built up strategic partnership with the qualified suppliers, which can provide us lower prices with better quality materials for mutual market shares.
3. we have built up our own unique and helpful quality control system, such as the test facility of drop, pull, press, air leakage, low temperature and high temperature, etc.
4. our efficient management and team work help us mostly in decreasing the cost of administrative management, etc.
5. as one of subsidiary company of Leadercom Group, we can share the common resources of the Group in Design, material sourcing and purchasing, production.
6. we always keep eyes on innovation in know-how and management, to seek for the decrease of cost and improvement of quality and function, design.
7. we have our own patents to support our customers' continuous market power.



GB

CE

FDA



Ionpure Antibacterial Introduction

IONPURE is a soluble glass containing antimicrobial metal ions

Glass is generally considered as a material with high chemical inertness due to its strong network structure. However, it is possible to lower this chemical inertness by continuously altering its structure especially in water. On the other hand, glass has another interesting property, which retains metal as ions. Combination of this property and the above technology has enabled to create glass with low chemical inertness, which can also retain anti-microbial metal ions such as silver and copper. With the presence of water or moisture, the glass will release these metal ions gradually to function as anti-microbial material. it is well known that these ion have antimicrobial effect. For example, silverware and copperware has been known to prevent decay of water and food since the ancient times.

Anti-Microbial mechanism

With the presence of moisture, IONPURE releases a few Ag ions gradually. Ag ion has an ability to strongly bind to cellular enzyme of microbes and inhibit enzyme activity of cell wall, membrane, and nucleic acids. In a word, as microbes charged with minus on their surface, Ag ions that have plus are drawn toward microbes, and disturb their electric balance. so that microbes are burst their cell wall and extinguished. Otherwise as Ag ions are taken into microbes, they react and bond to the cellular enzyme microbes. this inhibits enzyme activity and multiplication of microbes, thus extinguishing the microbes.

Features

- Freely design the anti-microbial effect and life span according to using purpose.
- Anti-microbial effect
- Durability, Heat-resistance, Anti-discoloration
- Life span of effect
- Adaptable to all kind of resin in various grades.
- High performance at low concentration.
- Keep up transparency of resin such as PP, PC, ABS, AS.
- Transparency
- Adapt every molding and spinning as its heat-resistance is more than 500°C.
- Keep up high performance after washing and warm water environment.
- The properties of plastics
- High level of safety.

Safety of IONPURE

IONPURE has acquired various safety data for each grade of the product. Following are examples of safety data.

1. Acute oral toxicity

There was no case of abnormal reaction or death by single oral administration of 5000mg/kg(2000mg/kg) of IONPURE to mice

2. Primary skin irritation

No skin irritation response was observed an albino rabbits during or after the skin irritation test suggested in the OECD Chemical Substance Toxicity Test Guidance.(1981)

3. Mutagenicity

The mutagenicity test based on the bulletin No.77 of the Labor Ministry of Japan (1st Sep.1989)resulted in no increase in reverse mutation and mutagenicity was confirmed to be negative.

4. Skin sensitization

The skin sensitization test using maximization method demonstrated no skin sensitization on guinea pigs.

In addition to above test results, eye irritancy test, photo toxicity test, and repeat insult patch test have been performed for other grades of IONPURE. Also, other products containing IONPURE have exhibited excellent safety data in human patch test and quality assurance test for food containers and appliances based on Food Hygiene Law of Japan.

IONPURE无机银系抗菌剂

1. 抗菌剂综述: 高效新型无机抗菌剂是一种高效安全和耐热的无机材料。它利用无机材料负载银、锌等具有高度抗菌活性的金属材料, 广泛应用于塑料、纺织纤维、橡胶、涂料等产品。其规格多样, 可与大多数聚合物材料匹配使用, 使产品发挥优异的抗菌效果。及时在较低浓度下亦可达到很好的效果。同时对制品的透明性和物理性能无明显影响, 更重要的是具有极高的安全性。

2. 抗菌剂已通过的相关认证:

美国: EPA, FDA, NSF.
欧洲: BPD, RoHS, EFSA

3. 抗菌剂抗菌机理:

许多金属离子具有抗菌防腐作用。金属离子杀菌活性按下列顺序递减: Ag>Hg>Cu>Cd>Cr>Ni>Pb>Co>Zn>Fe。由于Hg、Cd、Pb和Cr的毒性高, 实际上用作无机杀菌剂的金属主要为Ag、Cu和Zn。Ag的杀菌能力又大大高于Cu和Zn。本品的使用中由于水分的存在, 逐渐释放出银离子。

图一
银离子附着于细菌表面, 进而进入细菌内部, 与细胞酶反应生成Sag, 导致细菌死亡。

4. 抗菌剂产品特性:

- 1) 根据用途, 灵活的设计抗菌剂效果和寿命。
- 2) 多样的等级可以与所有类型的树脂匹配。
- 3) 低浓度下使用依然有很好的抗菌效果。
- 4) 用于树脂中能保持较高的透明度, 如PP、PC、ABS、AS。
- 5) 超过500°C的耐热性能, 适应各种铸模及纺丝工艺。
- 6) 在洗涤及热水浸泡后仍保持优异的性能。
- 7) 高度安全性

5. 抗菌剂安全性数据:

1) 无口服毒性
小白鼠没有因为直接口服5000mg / kg 而引起不良反应或导致死亡。

2) 基本皮肤刺激性

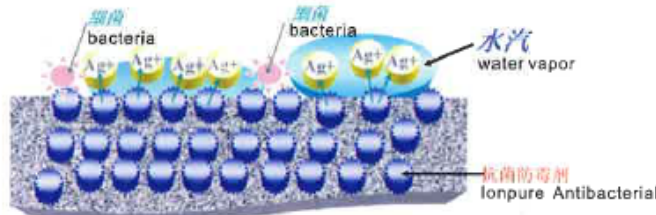
按照在OECD(1981)中所做的化学药物毒性测试指导对白兔进行皮肤刺激性测试, 在测试中及以后未发现有不反应。

3) 遗传诱变性

基于日本劳动部的NO. 77公告(9, 1 / 1988)进行的诱变性测试被证实反向突变上没有增加而且诱变性被否定。

4) 皮肤敏感性

皮肤敏感性测试使用最大化方法, 利用10天大的天竺鼠对其1%的敏感中心进行诱导作用48-72小时, 被证实未发生皮肤变化。



图一

From 2011, we have a good cooperation with SR INTL. CO. to treated our products in Ionpure antimicrobial to inhibit the growing of moistures and bacterials for hygeian and safe drinking.

1. 会社
Be Outdoor Products Corp様
プレート (シリコン樹脂) (1032 定額)
品名印は抗菌効果測定を依頼

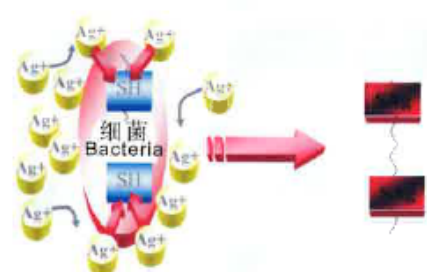
2. 試験結果
品名 Z 2860 (抗菌加工製品→高機能抗菌方法 (抗菌効果) に準じて試験しました。
試験方法: 1) 皮膚刺激性
試験標準: Eukelbio cell NBRC 1912 (大腸菌)
Saphylococcus aureus NBRC1371 (黄色ブドウ球菌)

3. 試験結果

品名	大腸菌に対する抗菌力試験結果		試験結果
	1 試験液の抗菌力	24時間	
(1) No antimicrobial (blank)	2.5 × 10 ⁸	6.8 × 10 ⁸	>3.8
(2) IONPURE (CR) 抗菌加工品 (高濃度タイプ)	2.5 × 10 ⁸	4.0 × 10 ⁷	>2.4
試験液 (試験液)	2.5 × 10 ⁸	4.0 × 10 ⁷	

品名	黄色ブドウ球菌に対する抗菌力試験結果		試験結果
	1 試験液の抗菌力	24時間	
(1) No antimicrobial (blank)	3.8 × 10 ⁸	1.0 × 10 ⁹	>2.4
(2) IONPURE (CR) 抗菌加工品 (高濃度タイプ)	3.8 × 10 ⁸	1.0 × 10 ⁸	>2.4
試験液 (試験液)	3.8 × 10 ⁸	1.0 × 10 ⁸	

4. 参考
抗菌剤は1000以上あり、抗菌効果は認められず。



图二

Components Of Water Bladder

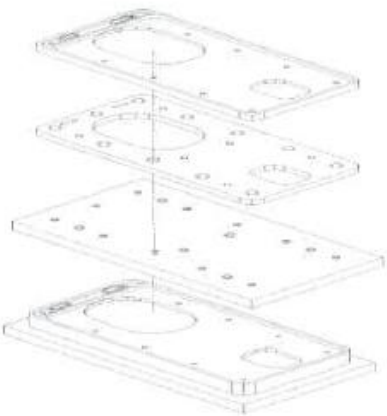
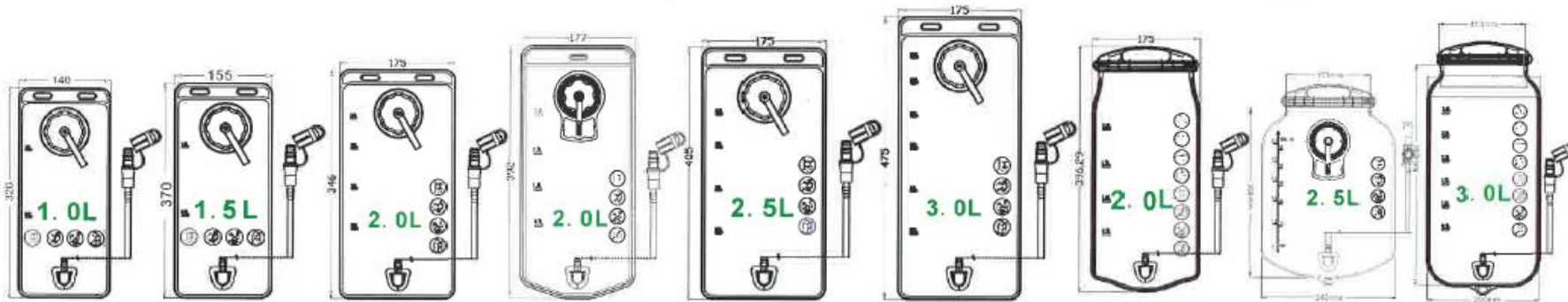
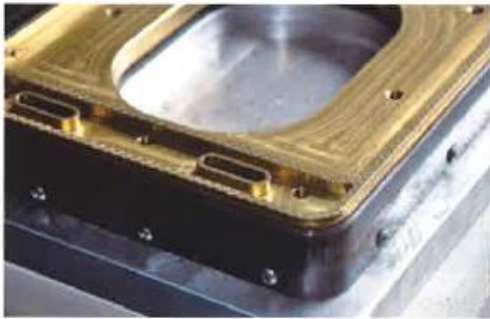


TUBE SLEEVE	TUBE MATERIAL	TUBE COLOR
SBR-BLACK	PVC16PFREE	BLUE
PP-BLACK	TPU	GREEN
PP-BLUE	EVA	TRANSPARENT
PP-KHAKI	PE	GREY
PP-GREEN		

BLADDER FILM				
TPU	0.25	0.30	0.35	0.40
EVA	0.35	0.40		
BEPPE	0.35	0.40		
PEVA	0.35			



Automatic HF Weld & Cut Mould Of Bladders



It is our great pleasure to devote a new and inovational water bladder with the following innovations for the hydration market.



INNOVATIONAL BEPPE 0.35mm film

TASTE FREE



ITEM	LITRE	SIZE L*W MM
NB20B35-BEPPE0.35MM	2.0	400x175
NB30B35-BEPPE0.35MM	3.0	380x200



C

Characteristics

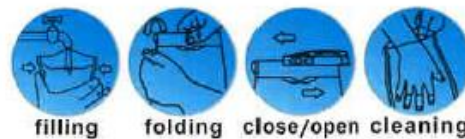
- Taste free
- Soft and flexible -50°C - +70°C.
- Anti-scratch.
- Stronger tear strength



New handle bar with lock system, Improved on the base of our handle bar, now installed a auto-lock system to prevent the top opening slide away to cause the water leakage when being severely shocked.

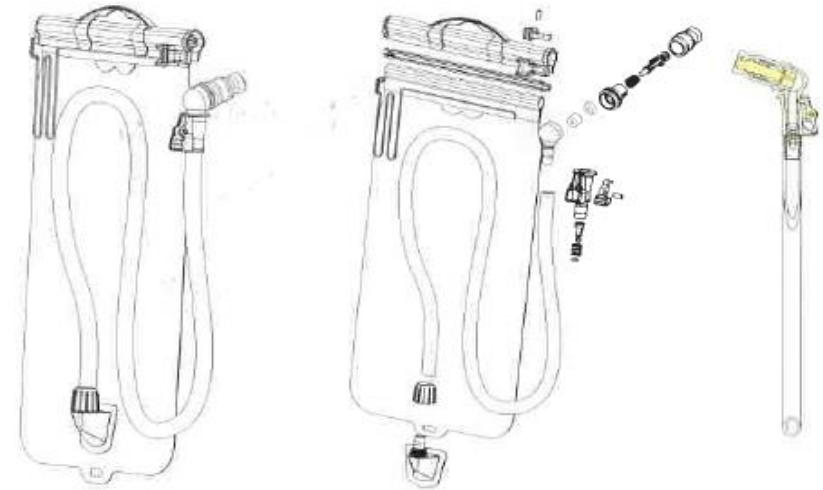
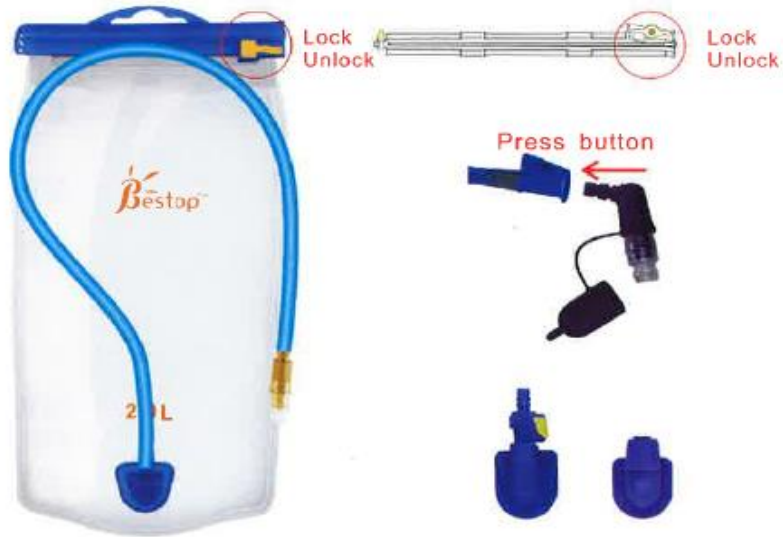


New mouthpiece of v3 superdrink, pat. pending. Improved on the base of our v2 mouthpiece, double sealing.



Treated with ionpure antimicrobial to hhibit the growth of the microbial.

Easily fitted with our auto-on/off adopter for removing the mouthpiece if needed.



GB

CE

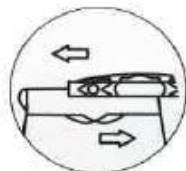
FDA



filling



folding



close/open



cleaning

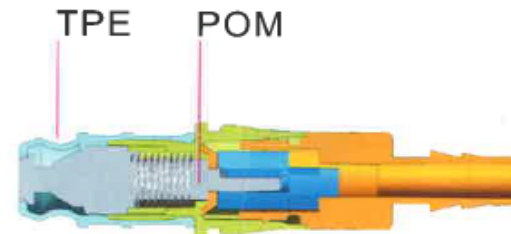
ITEM	LITRE	SIZE
NB15B35-BEPPE0.35MM	1.5	360X175
NB20B35-BEPPE0.35MM	2.0	400X175
NB25B35-BEPPE0.35MM	2.5	308X240
NB30B35-BEPPE0.35MM	3.0	380X200



1. All materials pass the SGS test of FDA, LFGB, CE and Reach, RoHS. Refer to the attached file.
2. All components can be built in IONPURE antimicrobial to inhibit the growth of bacterial, and PASS the EPA test.
3. Our V3 mouthpiece and valve with 110 angle for more comfortable drinking and double sealing, just bit and suck it slightly for drinking, and when not bited, it can be close automatically.
4. the adopter on the end of tube can be connected with our UTA SYSTEM for easy filling, and also can be connected with our filter system to refill the pure water.

5. Pass the strict quality control listed below:

- 5-1: 2.0 Meter Drop
- 5-2: -20~70 Temperature test.
- 5-3: 30KG PULLING test
- 5-4: 75kg PRESSURE TEST
- 5-5: 2.0 PSI AIR LEAKAGE test.
- 5-6: hung up and down test.
- 5-7: FIELD TEST



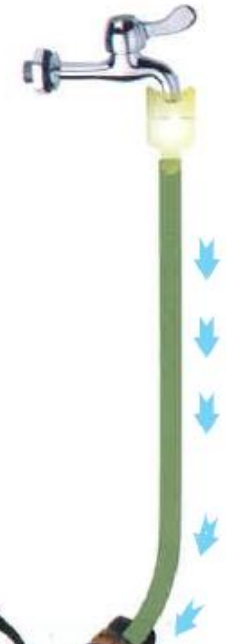
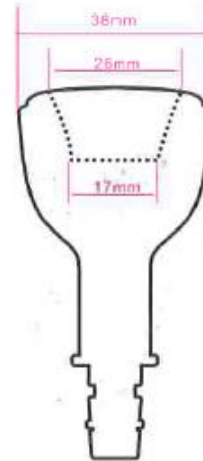
**Auto-sealing
Double Sealing
100% Non-leakage**

UTA Universal Tap Adaptor

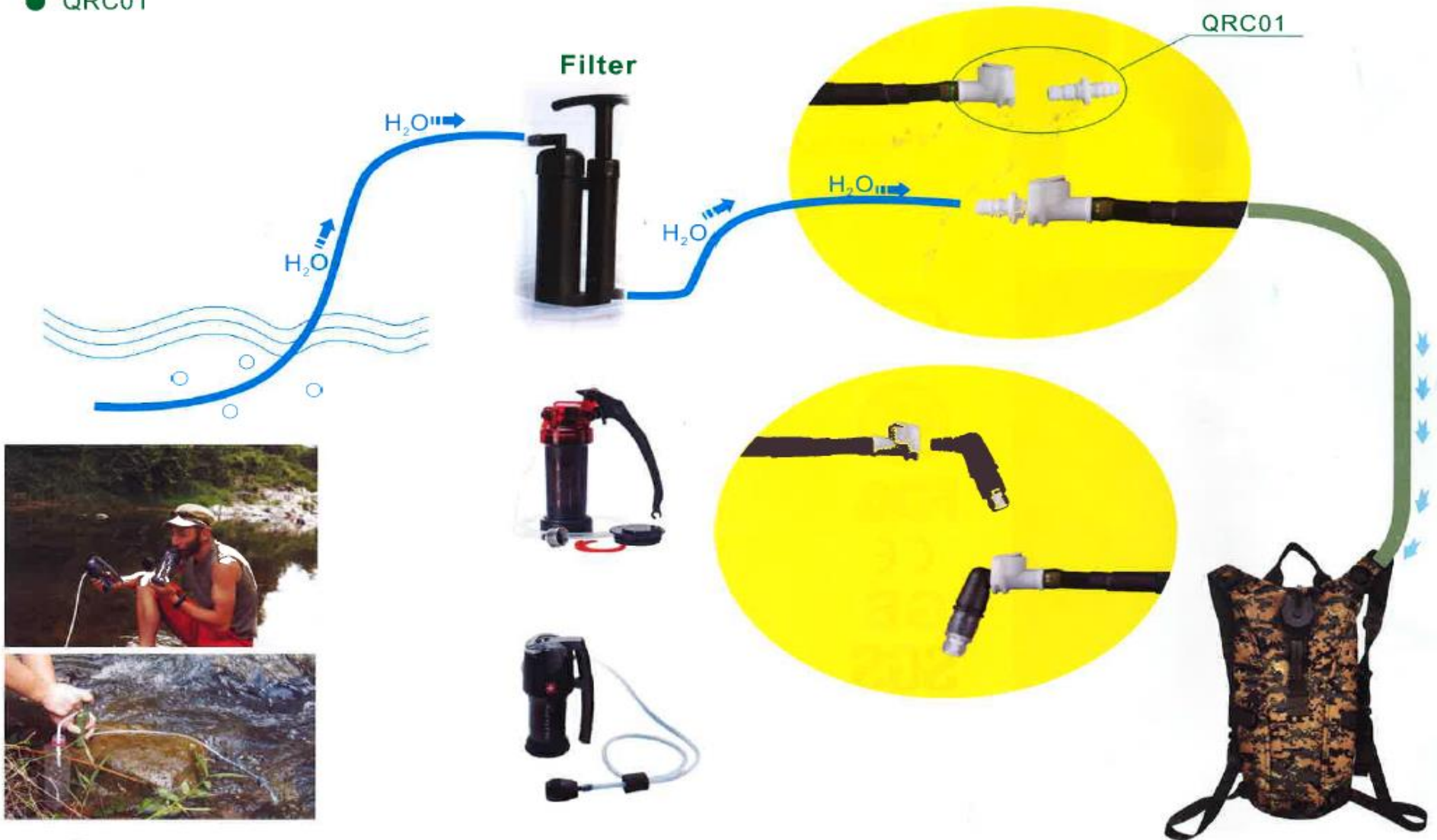
Quick filling drinking water from the tap



UTA01
FDA Silicon
Treated in Antibacterial



● QRC01



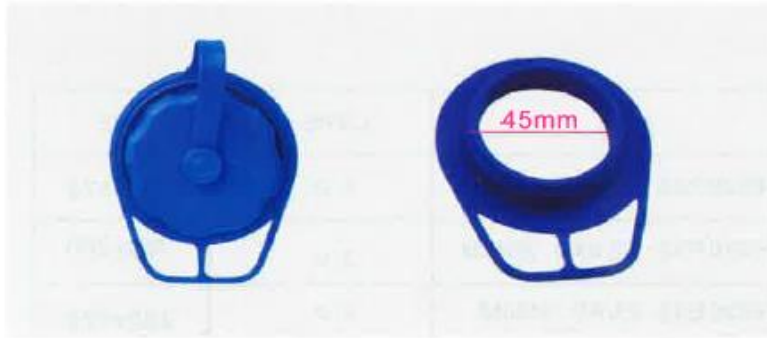
HB Series



HB20P35-PEVA0.35MM 2.0L HB30P35-PEVA0.35MM 3.0L

ITEM	LITRE	SIZE
HB20P35-PEVA0.35MM	2.0	400x175
HB30P35-PEVA0.35MM	3.0	380x200
HB20E35-EVA0.35MM	2.0	400x175
HB30E35-EVA0.35MM	3.0	380x200





	Item no.	Litre	Size L*W	Description
EVA	BS10E35	1	320*140	1. All material passed FDA, LFGB, CE, GB, etc.
	BS15E35	1.5	375*155	2. 0.35mm high quality EVA film.
	BS20E35	2	346*175	3. 17 P-free PVC tube.
	BS25E35	2.5	405*175	4. V2 double sealing mouthpieces with 100% non-leakage
	BS30E35	3	475*175	5. BS filling port with E1 exit port
TPU	BS10T30	1	320*140	1. All material passed FDA, LFGB, CE, GB, etc.
	BS15T30	1.5	375*155	2. 0.30mm high quality TPU film.
	BS20T30	2	346*175	3. 17 P-free PVC tube.
	BS25T30	2.5	405*175	4. V2 double sealing mouthpieces with 100% non-leakage
	BS30T30	3	475*175	5. BS filling port with E2 exit port



BS20E35-0.35MM EVA
2.0L



BS20T30-0.30MM TPU
2.0L



BS30T30-0.30MM TPU
2.0L



BS30E35-0.35MM EVA
3.0L

HBC series

Water bladder for military use



HBC25E35-EVA0.40MM
2.5L



HBC30E40-EVA0.40MM
3.0L



BS20E35-0.35MM EVA
2.0L



BS25E35-0.35MM EVA
2.5L



BS30E35-0.35MM EVA
3.0L

How to use





Item no.	Litre	Size L*W	Description
BC08E35	1	320*140	1. All material passed FDA, LFGB, CE, GB, etc. 2. 0.35mm high quality EVA film. 3. 17 P-free PVC tube. 4. V2 double sealing mouthpieces with 100% non-leakage 5. BC filling port with E1 exit port
BC10E35	1	320*140	
BC15E35	1.5	375*155	
BC20E35	2	346*175	
BC25E35	2.5	405*175	
BC30E35	3	475*175	

Item no.	Litre	Size L*W	Description
BC08T30	1	320*140	1. All material passed FDA, LFGB, CE, GB, etc. 2. 0.30mm high quality TPU film. 3. 17 P-free PVC tube. 4. V2 double sealing mouthpieces with 100% non-leakage 5. BC filling port with E1 exit port
BC10T30	1	320*140	
BC15T30	1.5	375*155	
BC20T30	2	346*175	
BC25T30	2.5	405*175	
BC30T30	3	475*175	



BC20E35



BC20T35



BC10E35



Military And Fire Hydrapack

Material: 600D polyester PP webbing



FHB01



Quick click open buckle



MHB01



MHB02



MHB03



MHB04



Multi-functional Bladder

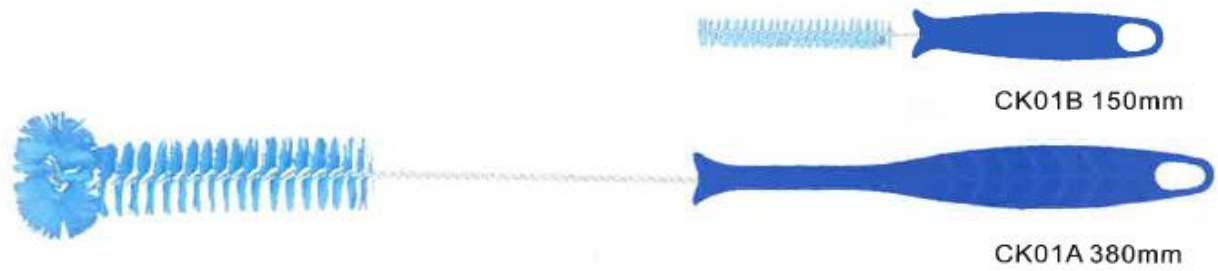
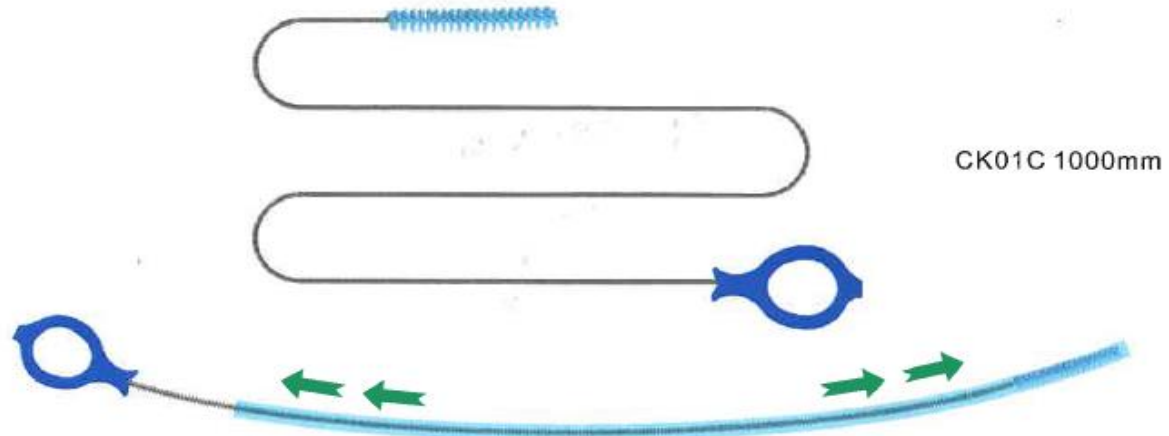


MFB01

5L

210D/TPU







Waterproof bag

防水袋篇



We can combine the fashion trend with the waterproof bags.

DURAFLEX®

YKK®

SZIP®

ITW

CORDEX®



International Waterproof Level

IPX0	没有防水保护
IPX1	设备在正常操作状态下，可以提供相当于3-5毫米/分钟降雨的防水保护10分钟
IPX2	级别基本与IPX-1相同，但是可以通过各个方向上翘15度的防水测试
IPX3	60度角度的泼溅防水保护，提供了2-5分钟的10公升/秒流速以及80-100n/m的压力的防水保护
IPX4	级别基本与IPX-3相同，但是可以提供全方位和角度的泼溅防水保护
IPX5	全方位和角度的防水保护，提供2-3分钟的12.5公升/秒流速以及30n/m的压力的防水保护
IPX6	大浪的防水保护，可以持续2-3分钟抵抗水下3米的深度，100公升/分钟的流速，100n/m的压力
IPX7	水下1米可以浸泡30分钟
IPX8	彻底防水，可以常时间连续的在水中使用的



Cylinder Dry Bag

Material: 0.30mm TPU 70/ 210D/ TPU

- 
可斜挎
- 
可手提
- 
无缝加工
- 
可水冲洗

IPX5



0.30mm TPU
70D/TPU
210D/TPU

High Performance
Waterproof Fabric





Waterproof Hypalon
Roll-top Closure Does
Not Wick Moisture



- 超薄
- 轻便
- 环保
- 耐用



COLOR 桔桔黄 钛灰 桔红 深海蓝

	SAILING	TREK	CLIMBING	CAMPING	Size/尺码	Dimension/规格	Weight/重量	Model/货号	Acce./附件
					5L	Φ15×42CM	95G/3.3OZ	CDBT-5L	D扣
					12L	Φ20×56CM	270G/9.5OZ	CDBT-12L	D扣+单肩背带
					25L	Φ26×65CM	365G/12.9OZ	CDBT-25L	D扣+双肩背带
					36L	Φ30×73CM	496G/17.5OZ	CDBT-36L	D扣+双肩背带

- 创新高频无缝焊接技术，搭配卷口密封设计，双重保护，起到完全防水的作用
- 袋子侧面增加D环挂扣，可配合肩带斜挎使用
- 适合于夏季水上运动，高强度漂流/皮划艇等

• MADE FROM 420D/TPU IT IS VERY TOUGH AND WEAR-RESISTANT.
 • INNOVATED HIGH FREQUENCY SEAMLESS WELDING TECHNOLOGY, TOGETHER WITH ROLLING SEALING DESIGN, DOUBLE PROTECTION, COMPLETELY WATERPROOF.



IPX7

Water Proof River Bag

Material: 600D Polyester/Nylon; PP webbing



可斜挎



可手提

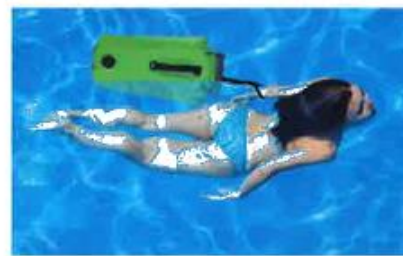


无缝加工



可水冲洗

Item No.	RBB60	RBB35	RBB25
Size (cm)	D300*H740	D260*H680	D260*H570
Volume (L)	60	35	25
Color			











Cylinder Dry Bag


Material: • 0.45MM PVC/MESH • NYLON/TPU

- 
可斜背
- 
可手提
- 
无缝加工
- 
可水冲洗

Color

- 
- 
- 
- 
- 
- 
- 
- 



Item	Litre	Size (D*H cm)	Usage
CDB8L	8	20*43	
CDB12L	12	20*56	
CDB20L	20	26*56	
CDB25L	25	26*65	
CDB30L	30	20*74	
CDB35L	35	20*89	

Air Valve



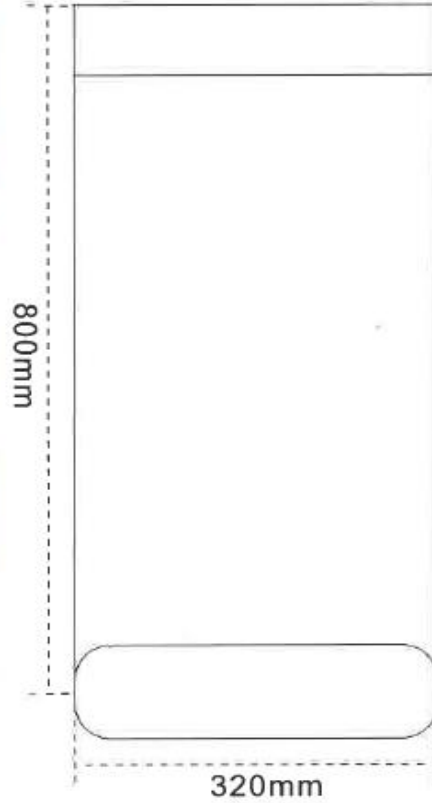
Clear Window





IPX7

● WPBP35



Fishing Bag

Material: 210/420D TPU

● FB01



LWH:450mmX350mmX240mm



Water Proof Travel Bag

Material: • 0.45MM PVC/MESH • NYLON/TPU

IPX6



Color



Leather handle



Water Proof River Bag

Material: ● 0.45MM PVC/Mesh ● 600D/TPU



可斜持



可手提



无缝加工



可水冲洗

A great durable waterproof bag designed for long haul trips in wet conditions. Designed for portages and multi-day trips down the river.

Waterproof material, welded seams, and a roll top closure with strong Duraflex® buckles are sure to keep any items on the inside completely dry. Super durable 420 denier nylon offers great abrasion resistance. Adjustable backpack straps, chest strap, and a solid waist belt make this pack comfortable to carry all day. Removeable backpack harnessing and waistbelt for dry bag use only.

Two way purge valve allows for easy compression or easy inflation if the need should come up.



Item No.	RBA60	RBA84
Size (cm)	36 x 23 x 91	40 x 25 x 100
Weight (g)	1620	2190
Volume (L)	60	84
Color		





Water Proof Fashion Bag

- 
可斜挎
- 
可手提
- 
无缝加工
- 
可水冲洗

Material: ● 0.45MM PVC/MESH ● 600D/TPU
 Color: ● ● ● ● ● ● ● ● ● ● ○

WPFB03



DESIGN FOR YOUR LIFESTYLE



WPFB03





Waterproof Travell Series

- 
 可斜背
- 
 可手提
- 
 无缝加工
- 
 可水冲洗

Material: ● 0.45MM PVC/MESH ● 600D/TPU
 Color: ● ● ● ● ● ● ● ● ○

WPTB001



WPTB002



WPTB003

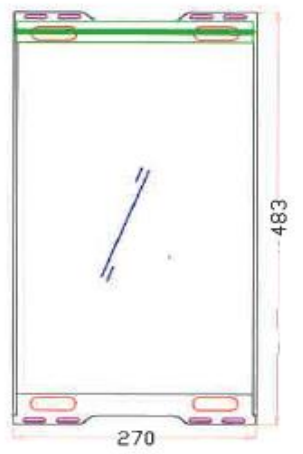


Water Proof Map Bag

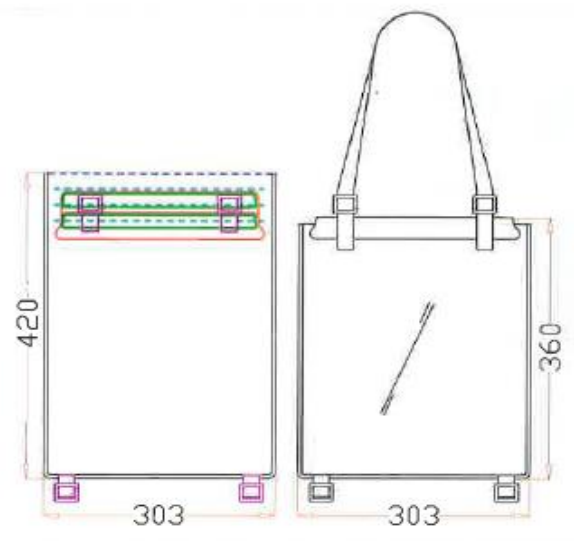
Material: 0.30mm TPU 600D/TPU

IPX6

● WPM01



● WPM02





Medics Bag

IPX5

可斜挎

可手提

无缝加工

可水冲洗

Material: ● 0.45MM PVC/MESH ● NYLON/TPU

WPMB01



Medics



Water Bucket

Material: 210/420D TPU

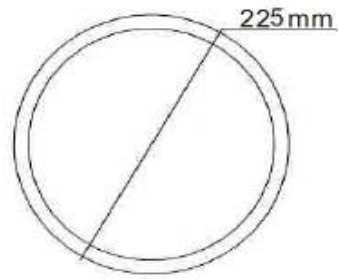
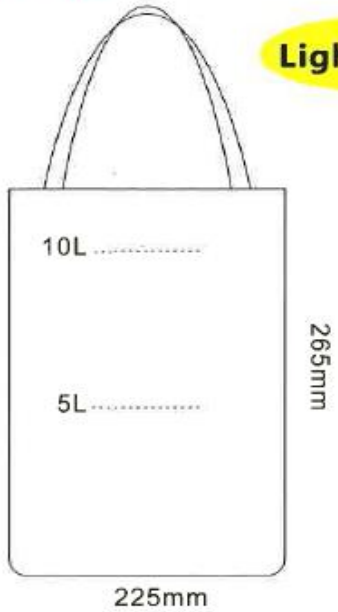
可手提

无缝加工

可水冲洗

● WB10L

Light Weight = 0.08kg = 10L Water



Bicycle

自行车篇



For more products
Please contact us



Sports Hydrapack

Material: 600D Polyester/Nylon; PP webbing





Multi-functional Fashion Messenger Bag

Material: • 0.45MM PVC/Mesh • 600D/TPU

IPX4~7



New Innovation
Patent Pending

NEW & INNOVATION
Best Outdoor

2.0L Bladder

MFB04

MFB5IN1

MFB04

MFB02

MFB01

0.8L Bladder





自行车水袋包 Hydrapack

Material: ● 0.45MM PVC/Mesh ● 600D/TPU



MFB01--WAIST BELT



Velcro



MFB02-WAIST BAG



MFB03

D Ring

Bottle / Mobil phone holder



Air System





Multi-functional Fashion Messenger Bag

Material: • 0.45MM PVC/Mesh • 600D/TPU

IPX4~7

- 可斜挎
- 可手提
- 无缝加工
- 可水冲洗

Material: 600D/TPU 0.45PVC, Mesh
 2.0L Hydrapack
 20L Waterproof bag

Color





Multi-functional Fashion Messenger Bag 休闲商务防水包

IPX5

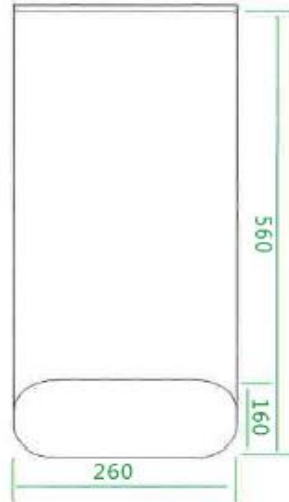
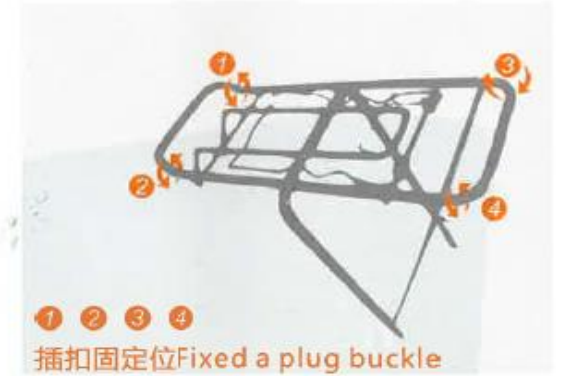


Material: ● 0.45MM PVC/Mesh ● 600D/TPU
Color: ● ● ● ● ● ● ● ● ● ●

NUMBER: **MFWP01**
MATERIAL: N/T, GENIUE LEATER
VOLUME: **16L**

FEATURE:
1. MULTI-FUNCTIONAL USAGE
2. ANTI-PUNCTURE AND WATERPROOF.
3. EASY FASTEN BUCKLE TO FIX THE BAG ON THE BICYCLE.

Shopping
Travelling
Cycling



How To Use



背包 Backpack

挎包 Shoulder Bag

手提包 Hand Bag

存放钱包 Store the wallet

Water Proof Travel Bag

Material: ● 0.45MM PVC/MESH ● NYLON/TPU



可斜挎



可手提



无缝加工



可水冲洗

IPX4

● WPTB13L



