



FENAN[®]
SAFETY PROTECTION

芬安呼吸防护

公司简介 Company

- 芬安工贸（上海）有限公司是一家自主研发生产呼吸保护系列产品，个人防护用品及消防装备的现代化企业。公司具有强大的创新研发与制造实力。并拥有众多核心专利技术。
- FENAN Safety (Shanghai) Co., Ltd. is a modern enterprise which specializes in research, development and production of respirator protection series, personal protective articles and fire equipment. We hold innovative R&D capability and strong production capability, also own a number of core patented technologies.

专利名称	专利号	专利类型
一种呼吸器	201410207860.2	发明专利
一种呼吸器供气阀上的管状防烟尘透光孔装置	201420252105.1	实用新型
一种呼吸器供气阀上的平视显示设备	201420252189.1	实用新型
一种呼吸器供气阀上的平视显示装置	201420252174.2	实用新型
一种呼吸器全面罩上的管状防烟尘透光孔装置	201420252170.4	实用新型
一种空气呼吸器中压管上的带白锁双联快插连接装置	201420446906.1	实用新型
一种用于空气呼吸器供气阀与全面罩本体之间的双联快插连接结构	201420446903.8	实用新型
一种用于电子空气呼吸器器具上的电子信号发送端结构	201420446907.6	实用新型
一种包含有平视显示和通讯功能的空气呼吸器	201410388763.8	发明专利

• 公司主要产品有正压式消防空气呼吸器、两室一站设备、高压充填泵、正压式消防氧气呼吸器、强制送风呼吸器、紧急逃生呼吸装置、自吸式长管呼吸器、送风正压式长管呼吸器、各种半面罩的毒面具、全面罩防毒面具、气体检测仪及各种防护玻璃护目镜、面具定量检测仪、空气质量分析仪、气密性检测仪、呼吸器综合测试仪等，并已通过 3C、QS、LA、EX 等认证。



• Our main products are fire fighting self-contained breathing apparatus, two rooms & one station, air filling pump, fire fighting oxygen breathing apparatus, powered air breathing apparatus, EEBO, self-suction long tube breathing apparatus, powered long tube breathing apparatus and various kinds of half face gas mask, full face gas mask, gas detector, all types of protective clothing, mask tester, air quality analyzer, airtight clothing tester, respirator integrated tester, etc. All has passed 3C、QS、LA、EX certified.



• 公司位于上海松江区中德智慧科技园区内，毗邻德国 KUKA 机器人公司、正泰电器上海总部、飞雕电器、斐讯科技等知名企业，距松江大学城仅 3 公里，距上海东方高尔夫球场 1 公里，优越的区位优势，自主建设的现代化厂房，使芬安公司拥有了大批世界级的年轻化的高科技人才团队，必将保证芬安公司成为个人安全防护行业的科技创新的引领者，芬安也必将成为中国高品质安全产品的卓越品牌！



• FENAN Safety (Shanghai) Co., Ltd. is located in Songjiang High-tech Park of cosmopolis Shanghai, next to Germany Kuka Robot Company, CHNT Electric Shanghai headquarter, Feidiao Electric, Phicom Technology and other famous enterprises. FENAN Safety has a world-class young of high-tech talent team, along with the advantage of favourable geographical location and independent modern factory, which ensures that FENAN Safety will become the leader of technical innovation in personal security industry, and also be a premium brand of high-quality safety products!



芬安愿景
愿全球所有的人在工作和生活中都能安全、健康、安心！

FENAN Vision
Wishes safety, health, comfort of work and life for all people!

芬安价值观
思辨求真、协作友善、呵护生命、自强不息！

FENAN Value
Seeking truth, collaborating friendly, caring for life, striving constantly!



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FENAN
SAFETY PROTECTION







1

▶ 无线设计(隐藏式),世界首创把通讯线路与HUD有线连接线路合并,并获得专利,无需对码,自动开关机,面供阀之间随意互换

- ▶ Hidden connection design
- no need to code
- equipped with automatic switch of HUD
- mask, demand valve or regulator can be replaced freely

2

▶ 2年超长待机

- 连续正常使用时间达 2000 小时
- ▶ 2 years long standby
- for normal use, the continuous work time up to 2000 hours

3

▶ 可持续升级,从标准型到通讯型到后场型到快充型,无需二次重复投入,更加经济

- ▶ Sustainable upgrading. From the standard type to communication type, backfield type or quick-filling type, without changing the parts, more economical

4

▶ 拥有 9 项专利,其中包括两项发明专利

- ▶ The apparatus has won nine patents, including two patents of invention



5 SCBA 液晶平视显示, 专利设计, 全球领先
Screen HUD of SCBA, Leading the World

6 随时可以查看气瓶压力值、剩余使用时间、环境温度、数字时钟及指南针
You can view the cylinder pressure, remaining time and ambient temperature at any time

7 时钟显示功能, 可有效提升消防战士间的协作作战能力
Clock display, can effectively enhance the cooperative engagement capability between the fire fighters

8 指南针显示功能, 可以让消防战士随时知道自己所处的准确方位, 在无法辨识方向的复杂火场环境, 可有效保障消防战士的生命安全, 并可有效提升消防战士间的协作作战能力
Compass display, allows fire fighters know their exact location at any time, which can guarantee the safety of fire fighters under the complex fire environments



9

只使用一块锂电池满足所有电子功能

Only a lithium battery can meet all the electronic functions

10

电量显示, 便于查看

Power display, easy to have a check

11

肘按大圆 PTT 方式, 结合液晶平视显示功能, 完全解放双手

Big and round PTT button, can be pressed by elbow.

Combined with screen HUD, let your hands completely free

12

口罩震动报警功能: 明显的震动感觉, 是唯一确保万无一失的报警方式

• Nose-cup vibration alarm function obvious vibration sense, is the only way to ensure alarm

13

人性化的凸出的呼吸, 扩音按钮: 可实现左右手任意方式的盲按操作, 抬手即按, 是最符合人体动作习惯的巧妙设计

• Protruding BCG and loudspeaker buttons, can be pressed by rising left or right hand without seeing, it's an ingenious design according to human movement habits

14

隐蔽式通讯耳机设计: 使除关键处不可见液晶显示屏区外, 为用户提供最广阔的视野设计

• Hidden communication headset design, provided a wider field of vision for users



- ▶ 全面罩不涉及复杂电子电路及结构，确保了全面罩无电子故障，使全面罩可放心进行超声波清洗和内外无死角擦拭，避免了维修或拆卸时对镜片的伤害，对全面罩的维护保养非常方便

15

Without the complex electronic circuits and structures, to ensure the full face mask won't appear electronic failure. It is no problem for ultrasonic cleaning and wiping inside and outside, to avoid the damage to the lens when repairing or disassembling. So convenient.

- ▶ 革命性专利设计的面罩与供气阀气路和电路的双联快速自动导向联接方式！同时也避免供气阀安装角度不对而影响视野

16

The revolutionary patented design: connection of mask and demand valve, automatic duplex quick connection-oriented of gas path and the circuit! And also avoiding the impact on the vision because of the wrong angle of demand valve.



17

• 锂电池可方便快速卸装,集中充电

• Convenient and fast replacement of lithium battery, centrally recharging

18

• 使用锂离子电池,符合环保原则

• Meet with the principle of environmental protection

19

• 集成的消防呼吸器,彻底避免了报警喇叭被意外覆盖,并实现 360° 全方位无死角闪光灯呼吸报警,即跌倒人员无论处于何种姿势,救援者处于任何方位,均可直接看到闪光灯报警

• Integrated fire SOS, completely avoids that the alarm horn is accidentally covered, and also can alarm with 360° flashing lights.

No matter how bad the fire scene is, no matter where the fallen firefighter is, the rescuer can directly see the SOS flashing lights

FENAN 系列正压式消防空气呼吸器产品介绍与分类

FENAN Series Positive Pressure Fire Self-Contained Breathing Apparatus Introduction and Classification

产品介绍

Product Introduction

- FENAN 系列正压式消防空气呼吸器是一种隔绝式呼吸保护装备，为进入缺氧、有毒有害气体环境中工作的使用者提供呼吸保护。正常使用时，呼吸器面罩内的压力始终略高于外界环境压力，能有效防止外界有毒有害气体侵入面罩内，保障使用者安全。
- FENAN series positive pressure fire self-contained breathing apparatus is an isolated respiratory protective equipment. It's used for the users to entering the working environment of oxygen deficit, full of toxic or harmful gas. In normal use, the internal pressure of mask is higher than the atmospheric pressure, to effectively prevent the toxic or harmful gas into the mask, ensuring the safety of users.

主要部件介绍:

Main Parts Introduction:

- VERQ 全面罩:
 - 硅胶材质, 双重防雾, 超大视野, 永久防雾, 防刮花涂层处理, 凯夫拉头罩。
 - VERQ Full Face Mask:
 - Silicone material
 - Permanent double anti-fogging
 - Wide field of vision
 - Scratch and abrasion resistant lens
 - Kevlar head net

- VERG 供气阀:
 - 供气流量大于 500L/min, 进气端增加了防虫装置, 使用性能更可靠。
 - VERG Demand Valve:
 - Maximum supply flow rate is higher than 500L/min
 - The intake gauze can make breathing safer

- VRJ 减压阀:
 - 平衡减压设计, 采用中压报警, 高压腔内管螺旋形设计更安全。
 - VRJ Reducer:
 - Balanced pressure reducing design
 - Adopt medium pressure alarm
 - Inner pipe of high-pressure tube uses spiral design

- VERB 背架:
 - 柔软轻便, 采用 Nomex 或 Kevlar 两种材质可选, 可 180 度弯曲。
 - VERB Back Pack:
 - Comfortable, flexible and light-weight
 - Adopt Nomex or Kevlar for cotton
 - Back bending can achieve 180 degrees

- VST-I 平视显示装置:
 - 可以平视显示压力数值, 剩余时间, 环境温度, 数字时钟, 指南针。
 - VST-I Screen HUD Device:
 - The screen HUD can display cylinder pressure, remaining time, ambient temperature, digital clock and compass

- FATP-I 通讯装置:
 - 语音清晰, 按压 PTT 方式解放双手。
 - FATP-I Communication Device:
 - Clear communicating voice
 - PTT button can be pressed by elbow, let the hands completely free

- XQKC1-01 快速充气装置:
 - 连接与断开均可单手操作, 输入端能够自行密封, 高效安全。
 - XQKC1-01 Quick Filling Device:
 - Connecting and disconnecting can be one-hand operation
 - The input can be self-sealing, efficient and safe

• 气瓶：
安装带有自锁阀，可直接看瓶内压力，设有高压安全阀，橡胶气瓶套，夜光标贴。

- Cylinder:
- Equipped with self-lock gauge valve, can see the cylinder pressure directly,
 - Inside with high pressure safety valve
 - With cylinder protection pad and fluorescence sticker

主要附件介绍 Main Accessory Introduction:



Y型三通
Y-shape connector



钨钼头盖
Bucky brushing head



备用锂电池
Speed thru battery



锂电池充电器
Battery charger



平视透视镜保护膜
HUT-1000 protective film



镜片擦拭布 / 擦拭清洁棒
Lens wiping cloth/wipe clean stick



眼镜框架
Eyeglasses frame



后背中继站
Backfield relay station



后背指挥系统
Backfield command system

分类表 Classification

型号 Model	功能 Function	呼吸功能 SOS	平视显示 Screen HUD	扩音 Loud- speaker	通讯功能 Communicate Function	快充功能 Quick Filing Device
RH-ZK6 B/A (B.S.10)	标准型 Standard Type	√	√			
RH-ZK6.BT (B.S.12)	通讯型 Communication Type	√	√	√	√	
RH-ZK6.BCT (B.S.12)	通讯快充型 Communication with Quick Filing Type	√	√	√	√	√
RH-ZK6.BCT-H (B.S.12)	标准后场型 Standard Backfield Type	√	√	√	√	可选 Optional
RH-ZK6.BCT-DH (B.S.12)	定位后场型 Located Backfield Type	√	√	√	√	可选 Optional



车载式移动供气源 CGKH Trolley Breathing Apparatus (CGKH)

> 介绍:

- 适用于隧道、管道或其他空间狭窄、环境污染等场所进行长时间艰巨且复杂的工作
- 由不锈钢小推车、碳纤维气瓶、供气管、减压阀、供气阀和全面罩等部件组成

> 可选装置:

- 有 5 升、6 升钢瓶、6.8L、9 升碳纤维瓶可选
- 4 瓶装置或 2 瓶装置
- 卧、立两种气瓶放置方式

> Introduction

- Trolley breathing apparatus is especially used in tunnel, pipe or other limited space, and other contaminated environment for a long time difficult and complicated work
 - Composed of stainless steel trolley, carbon fiber cylinder, air supply tube, reducer, demand valve and full face mask, etc
- #### > Optional Device:
- Optional 6.8L, 9L carbon cylinder or 5L, 6L steel cylinder
 - Optional 4 cylinders or 2 cylinders device
 - Optional horizontal or vertical cylinder placement



正压式消防氧气呼吸器 RHZYN240 Positive Pressure Fire Oxygen Breathing Apparatus(RHZYN240)

- 本产品适用于消防员和抢险救护人员在有毒、缺氧、窒息、悬浮于空气中的有害污染物等恶劣环境中，抢险救灾或从事灾情处理工作时使用的正压消防氧气呼吸器。应用行业：矿山、消防、隧道、地铁、石蜡、防化等。
- This product is a positive pressure oxygen breathing apparatus device.
 - Widely used by the fire fighters and the rescuers when they are working under the toxic, hypoxic, smoky, and dusty severe environment, especially when the fire fighters and the rescuers are handling the big disasters, such as in mining, fire fighting, tunnels, subways, petroleum, chemical defense
- 本产品为抢险救援人员提供长时间的保护，体积小、重量轻，便于救护队员佩戴。
- Long time protection for rescue personnel. Small size and light weight, easy to wear.



强制送风呼吸器 SQ3000 Powered Air Breathing Apparatus (SQ3000)

- 本产品主要由面罩或头罩、导气软管、鼓风机、电池组、充电器及小型过滤器组成，是一种通过蓄电池驱动风机强制送入空气过滤，并通过导气管送入面罩的个人呼吸防护用品。能有效地保护佩戴人员的面部，眼睛和呼吸道免受毒剂、生物战剂和放射性尘埃的伤害，可供工业、农业、医疗队和科研等不同领域人员使用，亦可供军队、警察和民防使用。
- Application
 - It's composed of full face mask or hood, gas hose, battery-driven fan, battery, recharger and cartridges.
 - This product can force air, through filter and gas hose, into the mask by a battery-driven fan
 - It can effectively protect users' face, eyes and respiratory tract from the damaging of toxic agent, biological agents, and radioactive fallout
 - It is available in industrial, agricultural, medical and scientific research, can also be used for military, police and civil protection
- 电量不足时蜂鸣报警，根据作业环境的不同，可选用不同的头罩、面罩和滤罐。
- Electricly storage alarm buzzer, Can choose different hood, mask and filters according to the working environment.



特点:

- 可同时供两人使用，确保长时间工作
- 可及时更换气瓶，不影响工作，有效节省时间
- 不锈钢材质的推车，增强耐腐蚀性
- 带脚踏刹车装置，可静止在 30° 倾斜地面
- 中压导管：主管长度 30 米，两个分支导管长度各 10 米，中压导管总长可根据需求延长至 90 米，供气仍然舒适顺畅
- 高压软管之间采用软性连接，避免意外，有效防止因不慎碰撞或摩擦对接头造成损坏
- 大流量输出的减压阀，确保充足的呼吸流量

Features:

- Can be used by two persons simultaneously, ensuring long working hours
- The cylinder can be replaced timely, to save time effectively, without affecting the work
- The stainless steel trolley has good anti-corrosion property
- With foot-brake can be stationary at 30 degrees inclined ground
- Standard configuration of Medium Pressure tube: With 30m main tube and two 10m branches
- The total length of MP tube can be extended to 90m according to actual needs, still ensuring the comfortable and smooth air supply
- Adopting flexible connection between the high-pressure tubes, to avoid accident and effectively prevent the damage of joints caused by collision or friction
- The reducer valve with large-flow output can ensure sufficient respiratory flow

自给开路式压缩空气呼吸器 RHZKF6.8/30 SCBA (RHZKF6.8/30)

- > VERQ 全面罩: 硅胶材质, 双重视窗, 超大视野, 永久的聚, 防刮花表面处理, 割头罩。
 - Silicone material
 - Permanent double anti-fogging
 - Wide field of vision
 - Scratch and abrasion resistant lens
 - Kevlar head net
- > VERQ 供气阀: 供气流量大于 500L/Min, 进气阀增加了防尘装置, 使性能更可靠。
- > VERQ Demand Valve:
 - Maximum supply flow rate is higher than 500L/min
 - The intake gauze can make breathing safer
- > VRJ 减压器: 平衡减压设计, 采用中压报警, 高压管内管螺旋形设计更安全。
- > VRJ Reducer:
 - Balanced pressure reducing design
 - Adopt medium pressure alarm
 - Inner pipe of high-pressure tube uses spiral design

消防指挥员呼吸器 RHZKF3.0/30 Fire Commander SCBA (RHZKF3.0/30)

- > 特点: 轻便、舒适、高效率消防指挥员的专用装备。
- > Features: Lightweight, comfortable, high-efficiency special equipment for Fire commanders.
- > 应用环境: 火场救援 Application: Fire rescue
- > 真正轻便、舒适、耐用的自给式呼吸器。
- > Vest type respirator, real light, comfortable and close to the back.
- > 配有 1 个 3 升 30Mpa 工作压力的碳纤维气瓶(可选 2 升, 2L is optional).
- > Equipped with one 3L 30Mpa carbon fiber cylinder. (2L is optional).

- Balanced pressure reducing design
- Adopt medium pressure alarm
- Inner pipe of high-pressure tube uses spiral design
- > VERB 背架: 柔软轻便, 采用 Nomex 或 Kevlar 两种材料可选, 可 180 度弯曲。
- > VERB Back Pack:
 - Comfortable, flexible and light-weight
 - Adopt Nomex or Kevlar for option
 - Back bending can achieve 180 degrees
- > 气瓶: 安装带有自锁阀门, 可直接看到气瓶压力, 设有高压安全阀, 橡胶气圈套, 夜光标识。
- > Cylinder:
 - Equipped with self-lock gauge valve, can see the cylinder pressure directly
 - Inside with high pressure safety valve
 - With cylinder protection pad and fluorescence sticker
- > 可选配 9L, 12L 碳纤维气瓶。
- > Optional 9L, 12L carbon-fiber cylinder.

- > 胸前配有夜视压力表及高分贝报警哨。
- > Equipped with night vision pressure gauge and high-decibel alarm whistle.
- > 背心全部采用 KEVLAR 材质, 具有高效的阻燃及抗撕裂性能。
- > The vest is made of Kevlar material, has high efficient flame retardant and tearing resistance.
- > 最大程度的指挥消防救援工作, 确保消防安全, 大大提高灭火效率。
- > Maximum commanding the firefighting and rescue work, to ensure the safety of firefighters, greatly improve the work efficiency.
- > 使用时间约 25 分钟。
- > Use for about 25mins.



连续送风长管呼吸器 FZ-3100 Powered Long Tube Breathing Apparatus(FZ-3100)

- > 主要由面罩、0.55米气管、腰带、标准调节阀、10米进口软管、快接头、进气阀装置等组成。进气端必须放置于无污染环境。
- > It's composed of mask, 0.55m gas hose, belts, adjusting valve, 10m long tube, fast joint, air-intake device.
- The air-intake end must be placed in the pollution-free environment.
- > 面罩可选：头罩、全面罩、半面罩
- > Hood, full face mask and half face mask are available.



泵式长管呼吸器 FBCG Pump long tube breathing apparatus(FBCG)

- > 是利用无油空气压缩机将符合大气质量标准的新鲜空气压缩、分离、过滤后供给使用者，是一种保护人体呼吸系统安全的防护装备。根据气泵的大小，可供1-4人使用，不受时间限制。
- > FBCG type pump long tube breathing apparatus is a personal respiratory protection equipment. The fresh air which complies with air quality standards, is compressed by an oil-free air compressor, after separated and filtered by a pump, to supply the user. According to the pump size, it can be used for 1 to 4 people. No time limited.

- > 进气端装置可选：
 - 防尘过滤器、过滤器支架
 - 送风机有多种类型，型号供客户选择，有普通送风机、蓄电池
- > 送风机和的推送风机：按使用人数有一人型、二人型、三人型、四人型可供选择。
- > Air-Intake Device:
 - Anti-dust cartridge with cartridge bracket
 - Ventilator, has different types and models for customers
 - Powered fan, battery-driven fan, explosion-proof powered fan for option
 - For the quantity of users, optional for 1 to 4 persons

型号 Model	产品名称 Product Name	配置 Configuration
FBCG-H-B	半面罩型 泵式长管呼吸器 Half Face Mask Pump Long Tube Breathing Apparatus	含半面罩、快接头、腰带、橡胶中压长管、精确过滤器、无油空气压缩机 Half face mask, throttle valve, belt, silicone medium pressure tube, precision filter, oil-free air compressor
FBCG-H-Q	全面罩型 泵式长管呼吸器 Full Face Mask Pump Long Tube Breathing Apparatus	含全面罩、快接头、腰带、橡胶中压长管、精确过滤器、无油空气压缩机 Full face mask, throttle valve, belt, silicone medium pressure tube, precision filter, oil-free air compressor
FBCG-Q	按需供气型 泵式长管呼吸器 On-Demand Supply Pump Long Tube Breathing Apparatus	含全面罩、快接头、腰带、橡胶中压长管、精密过滤器、无油空气压缩机 Full face mask, demand valve, belt, silicone medium pressure tube, precision filter, oil-free air compressor

逃生呼吸器 EEBD

Emergency Escape Breathing Device

- > 紧急逃生呼吸器由碳纤维筒、减压阀、供气阀、需求阀、供气阀、全脸罩、气瓶阀门带压力表和阻燃背包组成。
- > It is composed of 2L/300bars carbon-fiber cylinder, pressure Reducer, demand valve, full face mask, cylinder valve with pressure gauge and flame retardant backpack.



SL2000



SL2100

防毒半面罩 BW7200/8200

Half Face Mask Respirator (BW7200/8200)

产品介绍

- 本产品耐用使用量大, 过滤效率高, 使用寿命长, 有极高的性价比, 呼吸阻力特别小, 硅胶材质, 配合面罩轮廓, 质轻, 可重复使用。
- 两点支架设计, 减少受压点, 极大程度增加舒适度。
- 在转动时无感滑动, 解开弹性即可。
- 低鼻位, 宽大的密封边缘提供非常好的佩戴性。
- 滤芯可单独购买, 包装: 1 只/盒。

Introduction

- Durable, lightweight silicone half face mask, it's reusable
- Two-point fixed design, reducing stress, wearing firmly/Cradle suspension with four-point floating yoke eliminates pressure points to enhance comfort
- The mask can be taken off and hung on the neck
- With low-nose design and wide, comfortable, tight seal silicone skirt
- Replacement parts available, cartridges sold separately



技术参数 Technical Parameters

半面罩防毒面具 Half Face Mask Respirator		
品牌 Brand	芬安 FENAN	
型号 Model	BW7200	8200
可装滤芯 Cartridge Quantity	1	2
总视野 Total Visual Field	≥41%	
双目视野 Binocular Field of Vision	≥70%	
颜色 Color	黑、蓝、绿 用户定制 (Black, blue or customized)	
材质 Material	硅胶/聚氨酯半硅胶 mask body	
持续使用时间 Duration	取决于过滤盒性能 (Depends on cartridge type)	
吸气阻力 Inhalation Resistance	≤20 Pa (30 L/min)	
呼气阻力 Exhalation Resistance	≤50Pa	
过滤效率 Filtration Efficiency	≥0.9995%	
面罩漏气系数 Mask Leakage Factor	≤2%	
包装 Packing	Box (1/box)	170*170*140mm
	Carton (1/box)	610*480*400mm
净重 / 毛重 N.W./G.W. (per pc)	0.45kg/0.5kg	

球形全面罩防毒面具 BW6000/6002
Spherical Full Face Mask Respirator (BW6000/6002)

产品介绍:

- 特殊的球形面罩, 具有超强的防雾能力, 并能在恶劣的环境下连续加雾, 完美无碍, 视野率可达91%以上
- 舒适、耐头压, 不刺痛的硅胶密封边设计
- 五点系带, 快速调节
- 配有作舌瓣, 高效的作舌滤网
- 标准DIN40接口
- 多种替换滤芯, 施工特别简单

Introduction:

- Scratch resistant, anti-fogging lens
- Distortion-free lens with exceptional view, the vision rate reaches above 91%
- Comfortable, durable silicone skirt, not irritating to the skin
- With five-strap head harness, quick adjusters, mask can be positioned optimally
- With speaking diaphragm
- DIN40 connection
- Delicate and beautiful appearance, exquisite workmanship

技术参数 Technical Parameters

球形全面罩防毒面具 Spherical Full Face Mask Respirator

品牌 Brand	FPE FENAN	
型号 Model	BW6000	BW6002
包装数量 Carton Quantity	1	2
总视野 Total Visual Field	≥81%	
垂直视野 Vertical Field of Vision	≥65°	
颜色 Color	黄色 或 客户定制 (yellow/black/red)	
材质 Material	PC 面罩 + 硅胶密封边 + PC + 30% 硅胶 (mask/body)	
持续时间/呼吸 Duration	取决于过滤器的型号 (Depends on cartridge type)	
透气阻力 Inhalation Resistance	≤25 pa (200mm)	
呼气阻力 Exhalation Resistance	≤70pa	
重量/重量偏差 Weight/Tolerance	0.6/0.005kg	
面罩密封系数 Mask Leakage Factor	≤0.001%	
包装 Base (Top)	23" (14.5") (14") (14")	
Packing Carton (2300)	66.6" (55.5") (55.5")	
净重/毛重 Weight (net/gross)	0.6kg/0.7kg	





单罐球形全面罩防毒面具
Spherical Full Face Mask Respirator with single canister



双罐球形全面罩防毒面具
Spherical Full Face Mask Respirator with double cartridges



双罐球形全面罩防毒面具
Spherical Full Face Mask Respirator with double canisters



通讯防毒全面罩防毒面具 RW-6200
Communication Full Face Mask Respirator



带饮水装置球形全面罩防毒面具
Spherical Full Face Mask Respirator with drinking device

柱形全面罩防毒面具 BW1000/1002
Cylindrical Full Face
Mask Respirator (BW1000/1002)

► 产品介绍

- 3L 进口 PC 材料
- 全新式设计
- 与面部良好贴合
- 专用特备镜片
- RD40 接口
- 有黄、蓝、红、黑四种颜色可供选择

► Introduction:

- Made of SILICONE
- Panoramic field of vision
- Good seal
- Speech diaphragm
- RD40 connector
- Optional face colors: yellow, blue, red, black

技术参数 Technical Parameters

柱形全面罩防毒面具 Cylindrical Full Face Mask Respirator

品牌 Brand	芬安 FENAN
型号 Model	BW1000
过滤罐数量 Cartridge Quantity	1
总视野 Total Visual Field	≥78%
密封系数 Sealing Coefficient	≥90%
颜色 Color	红、黄、蓝 或者客户定制 Red, yellow, blue or customized
材质 Material	PC 面罩 + 硅胶密封圈 PC visor + silicone mask body
呼吸使用时间 Duration	取决于过滤盒性能 Depends on cartridge type
吸气阻力 Inhalation Resistance	≤75 pa (30 L/min)
呼气阻力 Exhalation Resistance	≤70 pa
过滤效率 Co. Eff. Transmittance	≥0.9999%
过滤效率 Mask Leakage Factor	≤2%
尺寸 Size (mm)	22*19.5*12cm
重量 Weight (kg)	0.140*40cm
重量 Weight (kg)	0.83kg/0.88kg





單罐裝材料半面罩呼吸器
Cylindrical Full Face Mask Respirator with single canister



雙罐裝材料半面罩呼吸器
Cylindrical Full Face Mask Respirator with double canisters



雙罐裝材料半面罩呼吸器
Cylindrical Full Face Mask Respirator with double canisters

芬安两室一站成套方案

FENAN Two Rooms and One Station



- 应用范围：适用于为呼吸器提供全面的充气、检漏、检修服务
- Application: The whole system is to provide SCBA with comprehensive air-filling, detection and maintenance services.
- 组成部分：气瓶充气室、空气呼吸器维修室、气罐检测站
- Component: Cylinder Filling Room, SCBA Maintenance Room, Cylinder Testing Station.

气瓶充气室

Cylinder Filling Room

- 主要设备：高压充气泵；空气质量分析仪；储气箱组件；防爆充气箱；
- Main equipment: high pressure air-filling pump, air quality analyzer, gas bomb components, explosion-proof plenum box.
- 主要附件：气瓶专用水龙头；气托架；气泵测试推车；成套专用工具箱；高压管路减压装置及管路附件；快换登记工作站；充气室操作流程图平板
- Main accessories: cylinder airtight detection sink, cylinder shelf, cylinder cart, complete special toolbox, pressure-relief device and tube valves, information registration workbench, inflating process board.

- 用途：1.安全的对气瓶充气；2.提供0.7MPa气源；3.气瓶整体气密性检测

Function:

- To inflate the cylinder safely
- To provide 0.7Mpa air supply
- Comprehensive leak testing of cylinder

- 工作原理：自然空气通过空气压缩机压缩过滤净化后，经空气质量分析仪检测合格，再进入储气箱组件，然后进入防爆充气箱，安全的对气瓶进行充气。

- Work process: The fresh air is compressed, filtered and purified by a air compressor, after air quality analyzer qualified, into the gas bomb components. Then to inflate the cylinder safely in the explosion-proof plenum box.



- FA600系列高压充气泵，有100L/Min, 265L/Min, 300L/Min, 600L/Min, 单相、三相、移动式、标准型、静音型可供选择。

- FA600 Series High Pressure Air-filling Pump, it has following options.

- 100L/min, 265L/min, 300L/min, 600L/min
- single-phase electric motor, three-phase electric motor
- mobile type, standard type and silenced type

KF-I 空气质量分析仪

KF-I Air Analyzer

- 可测试空气中的CO₂、CO、水汽、油雾含量，检查是否符合呼吸空气的质量标准。有固定式和手提式可供选择。

- Measures the content of CO₂, CO, water vapor, oil mist in the air, check whether meets standard of breathing.

- Optional stationary type, portable type





CP-I 储气瓶组件

CP-I Gas Bomb Components

- 数量可选，折、立两种安装方式，31.5/35/40MPa三种工作压力
- 储存压缩机压缩的纯净空气
- 快速给气瓶充气，提高充气速度
- 节能环保：气瓶充装时提供空气
- 减少压缩机的启动次数，改善工况
- Optional: horizontal or vertical installation ways, 31.5MPa, 35MPa or 42MPa working pressure.
- Storage of pure air compressed by the compressor
- Rapid inflation to cylinders for improving the inflation speed
- Air supply to the maintenance room and cylinder future
- Reducing the start times of air compressor, improving working conditions



FBCQ-I 防爆充气箱

FBCQ-I Explosion-Proof Plenum Box

- 气瓶充气的安全保护装置
- 可同时充装1-4只气瓶
- 单独控制各气瓶的充气，操作方便
- 气瓶充满时报警灯闪烁报警
- PVC喷漆，保护气瓶漆面
- 6.8L和9L瓶通用型设计
- The pneumatic cylinder protection device.
- Can simultaneously fill 1-4 cylinders
- Control the inflation of each cylinder individually, easy to operate.
- The warning lights will flash alarm when the air inflation finishes
- PVC pipes, can protect the surface of cylinder
- Can be used for both 6.8L and 9L cylinder



气瓶运输车
Cylinder transport cart



气瓶车
Cylinder cart



气瓶车
Cylinder cart



充气工作台
Inflation operation workstation



气瓶站
Cylinder station



充气工作站
Inflation workstation



充气站使用说明书
Inflation station use manual



充气站使用说明书
Inflation station use manual

空气呼吸器维修室

SCBA Maintenance Room

- 主要设备：空气呼吸器电脑综合测试仪；空气呼吸器机械型维修测试仪；立式气瓶夹具；超声波清洗机
- Main equipment: SCBA computerized integrated tester, SCBA mechanical maintenance tester, vertical-type cylinder fixture, ultrasonic cleaner.

- 主要附件：成套呼吸器维修专用工具箱；超声波清洗专用夹具；控水架；装具架；维修工作台；搬运小车；高压管路减压装置及普通附件；维修室操作流程板；信息登记工作台
- Main accessories: complete SCBA-maintenance toolbox, ultrasonic cleaning special fixture, mask hanging frame, fitting shelf, maintenance platform, carrying cart, pressure-relief device and tube valves, maintenance process board, information registration workbench.

- 主要附件：成套呼吸器维修专用工具箱；超声波清洗专用夹具；控水架；装具架；维修工作台；搬运小车；高压管路减压装置及普通附件；维修室操作流程板；信息登记工作台
- Main accessories: complete SCBA-maintenance toolbox, ultrasonic cleaning special fixture, mask hanging frame, fitting shelf, maintenance platform, carrying cart, pressure-relief device and tube valves, maintenance process board, information registration workbench.

- 用途：1.清洗呼吸器的零部件；2.对呼吸器的减压阀、供气阀等进行专项检查；3.对呼吸器进行综合性能评定；4.对呼吸器进行维修
- Function:

- To clean the parts of SCBA
- Special testing for the performance of reducer and demand valve
- Comprehensive performance evaluation for SCBA
- SCBA maintenance

HX-III电脑综合测试仪

HX-III Computer Integrated Tester

- 可动态检测呼吸器；检测整机气密性、衝擊波漏性能、呼吸器阻力、报警测试、静态压力等多项性能气密性、各种压力及呼吸综合性能；
- 我公司全新研发生产
- 微电脑控制测试模式操作一体化机
- 全中文界面提示，操作简单
- 数据能保存、查看、调用

超声波清洗机 Ultrasonic Cleaner

- 用于高精密仪器的清洗。
- 全优质不锈钢，外观光滑闪亮
- 高效、低噪、操作简单
- 清洗效果极佳，速度快
- 两缸位（清洗槽、漂洗槽）式布局
- 全钢下水管路
- 配置总轮，方便移动

- This product is used for cleaning the masks assembly.
- Durable, beautiful, high quality stainless steel
- High efficiency, low noise, easy to operate
- Equipped with cleaning tank and rinse tank, excellent cleaning effect, high speed
- With a full set of water pipes
- With 4 tuckles, easy to move around



- USB数据输出，可储存，可打印
- 可检测各大品牌空气呼吸器
- Test items: air-tightness test, mask leakage test, alarm test, breathing resistance test, pressure test for every parts of equipment, etc.
- Integrated machine with computer control and mechanical operation, easy to operate
- Can detect the performance of all brands air respiration





**HXJ-1 便携式机械型
空气呼吸器综合测试仪**
HXJ-1 Portable Mechanical SCBA
Integrated Tester

- > 可综合检测减压器输出压力、减压器输出流量、供气阀静态压力、全面罩开启压力、整机气密性、面罩密封性能、100L/Min吸气阻力、100L/Min呼气阻力、报警气流量测试、20MPa漏气流量测试、报警声级测试等
- > It can comprehensively test the whole set SCBA, like,
 - Reducer output pressure
 - Reducer output flow
 - Demand valve static pressure
 - Mask opening pressure
 - Air tightness of whole set
 - Mask leakage performance
 - 100L/min inspiratory resistance
 - Alarm air flow
 - 20MPa leakage flow
 - Alarm sound level

LQJ-1 立式气瓶夹具
LQJ-1 Cylinder Fixture

- > 装、卸气瓶时用于夹紧气瓶，
 - 设有气瓶高度、宽度的调节杆
 - 可夹装2-9L所有气瓶
 - 操作简单、方便、快捷
 - 橡胶软紧带、底部橡胶皮、防止气瓶滑动
 - 底座加强钢构、固定牢固
- > To fix the cylinder when installing and taking off the cylinder valve.
 - With adjustment lever, can adjust the height and width, according to 2-9L all cylinders
 - Simple, convenient and fast operation
 - Rubber tightening belt and bottom, can prevent cylinder wear
 - The base of strengthening steel structure, is fixed firmly



呼吸器
Complete SCBA maintenance tools



气站
Cutting shelf



报警工作站
Alarm workstation



推车
Carrying cart



充气器工作站
Inflator regulator workstation



工作台
Working platform



架梯
Ramp stand



维护流程
Maintenance process board



维护操作流程图
Maintenance operating procedure board

气瓶检测站

Cylinder Test Station

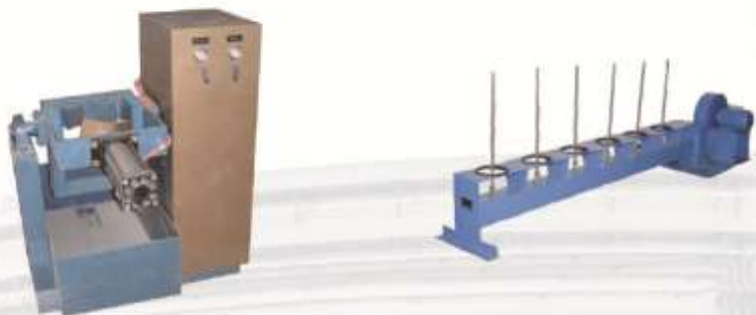
- 主要设备：电脑型外测法水压试验装置；电控翻瓶式气瓶夹具；气瓶烘干装置；内腔观察显示器
- Main equipment: computerized hydraulic outside test device, electronically flip cylinder fixture, cylinder drying device, inner-wall observation display.
- 主要附件：电动葫芦及支架；水过滤器；气瓶搬运注水两用车；气瓶放置架；恒温电热水桶；成套专用工具箱；高压管路减压装置及管道附件；水压检测站操作流程板；信息登记工作台
- Main accessories: electric hoist with supports, water filter, cylinder cart for carrying and waterfilling, cylinder shelf, thermostatic electric water heater, complete special toolbox, pressure-reduce device and tube valves, hydraulic test process board, information registration workbench.
- 应用范围：用于对空气呼吸器气瓶进行定期水压检测
- Application: The station is to have a perlogical hydraulic test for SCBA cylinder.



SYT-III 水压系统

SYT-III Water-pressure System

- 向气瓶注水加压或泄压，测得气瓶残余变形量，进而判定气瓶是否合格；
- The pneumatic pump imported from the United States
- 高压进口快插连接件，性能稳定
- High-pressure inlet connector, stable performance
- 水压可达80MPa，加压速度快
- The water pressure can be up to 800bars, fast pressurization
- 精密数字显示压力表
- With precise data display pressure gauge
- 操作简洁，结构紧凑，坚固耐用
- compact, durable structure and simple operation
- 电子天平，精确计量
- Electronic balance, precise measurement



DFLJ-II 电控翻转式气瓶夹具
DFLJ-II Electronically Flip Cylinder Fixture

- 产品适用于呼吸气瓶等小容积气瓶在水压试验时进行气瓶夹固定和翻转过水之用。同时具有两项功能。设备结构紧凑，操作方便，性能可靠，是气瓶检验站必不可少的专用设备。适用从2升到12升的全系列空气呼吸器气瓶。
- This product is suitable for SCBA cylinder or other small gas cylinder holding fixed and flip positioning during the hydraulic test
 - Compact structure, easy to operate, reliable performance, is an essential special equipment for the cylinder test station
 - Used for 2L to 12L cylinders of SCBA



FPHG-I 气瓶烘干装置
Cylinder Drying Device

- 用于气瓶内表面的烘干。
 - 我公司全新研发生产
 - 可同时烘干4只气瓶，适应检测速度
- To dry the cylinder inner surface.
 - Can simultaneously dry 4 cylinders, adapting to the detection speed

FPNK-I 内窥观察显示仪
Cylinder Inner-wall Observation Display

- 用于观察气瓶内腔的损伤情况，判定气瓶密封性，是否报废；
 - 光纤传导技术，可任意自由操作，亮度可调节；
 - 光纤长度：1.5m。
- To observe the damage of cylinder inner-wall, determine the sealing of the cylinder and whether it's scrapped or not.
 - With optical fiber conduction technology, arbitrary bent operation, adjustable brightness
 - 1.5m optical fiber



电液测试台
Electric test with supports



水口座架
Water shelf



气瓶进出口采样
Cylinder port for sampling
and waterfilling



气瓶架
Cylinder shelf



气瓶专用工具
Cylinder special toolset



信息登记工作台
Information registration
cabinet



气瓶维修专用工具
Cylinder Overhaul
Special Toolset



气瓶专用车
Cylinder Valve Cart



气瓶专用扭力
Cylinder Valve Spacer
Torque Wrench



水压测试板
Hydraulic Test
Pressure Board



水压测试操作板
Hydraulic Test Operating
Pressure Board



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