

Water Filtration

High Performance Under-sink Filters

PFAS-certified to address evolving water risks

SPECIFICATIONS:

System: Under-sink Twist Lock Series

Filter Type: Carbon Block with pleated pre-filter

Inlet & Outlet Size: 3/8 Inch Tube Quick Connect

System Dimension: 105x114x558.8mm

Flow Rate: 1.5 GPM

Capacity: 3000 gallons (without PID)

Performance: CTO, PCI, cyst, lead, asbestos, turbidity, total PFAS, microplastics

Filter Life: 1 year

Certifications: NSF42/53/401/372@IAPMO

Feed Pressure Range: 30~150psi

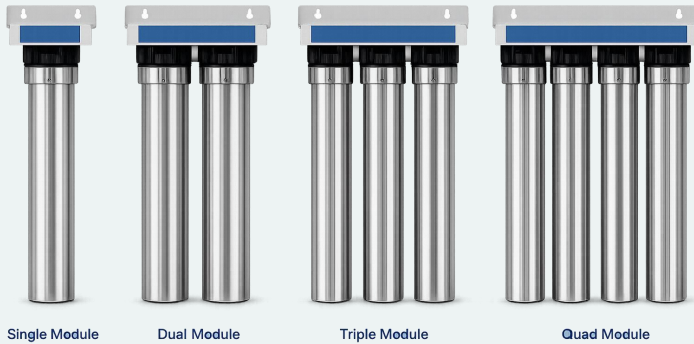
Replacement Filter Dimension: Ø80x428mm



SCALABLE

A platform, not a single product

One platform. Multiple stage options.



One head, many configurations.

The same certified filter head scales from a single cartridge to series and parallel arrays — so one platform covers entry-level POU through higher-flow and longer-life projects, protecting your customer's initial investment.

01

Pre-mounted filter

Mitigates rapid flow decline. Compatible with the Phase I head — saves customer cost and waste.

02

Series connection

Extends filter life and capacity, with a lower initial flow rate.

03

Parallel connection

Doubles the initial flow rate while keeping the same filter life as a single-stage filter.

Water Filter Friendly Faucets

DEDICATED FOR PURIFIED WATER

Independent dual waterway for healthier and safer drinking.



304 Stainless Steel

Lead-free & corrosion-resistant



Dual Waterway Design

Separate outlets prevent cross-contamination



Healthy & Safe

Dedicated purified water for your daily needs



360° Swivel Spout

Flexible rotation for every sink area



Single Lever Control

Smooth operation for precise temperature and flow control



Instant Purified Water

Clean, great-tasting water on demand



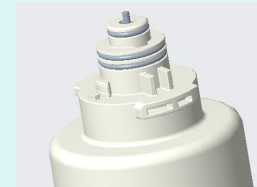
Under sink cold-sparkling water system



Multi-functional integration

---3 water discharge modes

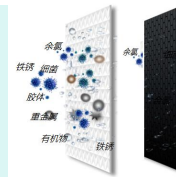
Choose cold/sparkling/normal temperature water, then press the water dispensing button again and water will come out.



Water-Break Tech

Bidirectional water stop, no water spray when the filter cartridge is removed

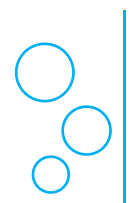
In the filter cartridge warning/alarm state, gently rotate 90 degrees in the unlocking direction to the bottom to remove the filter cartridge and replace it



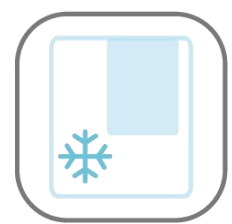
Single-stage composite filter cartridge, multiple purification

Remove heavy metals such as lead and arsenic, eliminate Escherichia coli, adsorb residual chlorine, some organic substances, discoloration and off-flavor, and improve taste

Main function



S-COOLER Tech
Experience more joy of cooler water



Smart-Cooler (SMART-COOLER) :

- **Fast and efficient cooling** at 1 Gallon/H
- **Intelligent cooling:** Automatically recognize the water temperature in the refrigeration box, automatically start the cooling mode when it is higher than the set water temperature
- The refrigeration compressor is CE certificated
- With efficient cooling fan, CE certificated.

The module design meets multi-scenario requirements

- Built-in large volumes cold water tank, 3L ice water available at one time, for your daily ice water drinking.
- Optional function :
 - Cooling separately
 - Refrigeration + Bubbles
 - Filter + Cool+ Bubble

	Composite filter element		
Configuration	Pleated paper	Charged membrane	Carbon block
Function	Remove large particles of sand and rust Intercept suspended impurities	Remove E.Coli Remove some of the heavy metals lead and arsenic	Absorb residual chlorine, some organic matter, off-color, off-flavor, and improve taste
Filtration accuracy	10-15 microns	1-5 microns	0.5-1 microns
Total processing volume	4T		
Suggested replacement cycle time	1 Year		

Under sink cold-sparkling water system

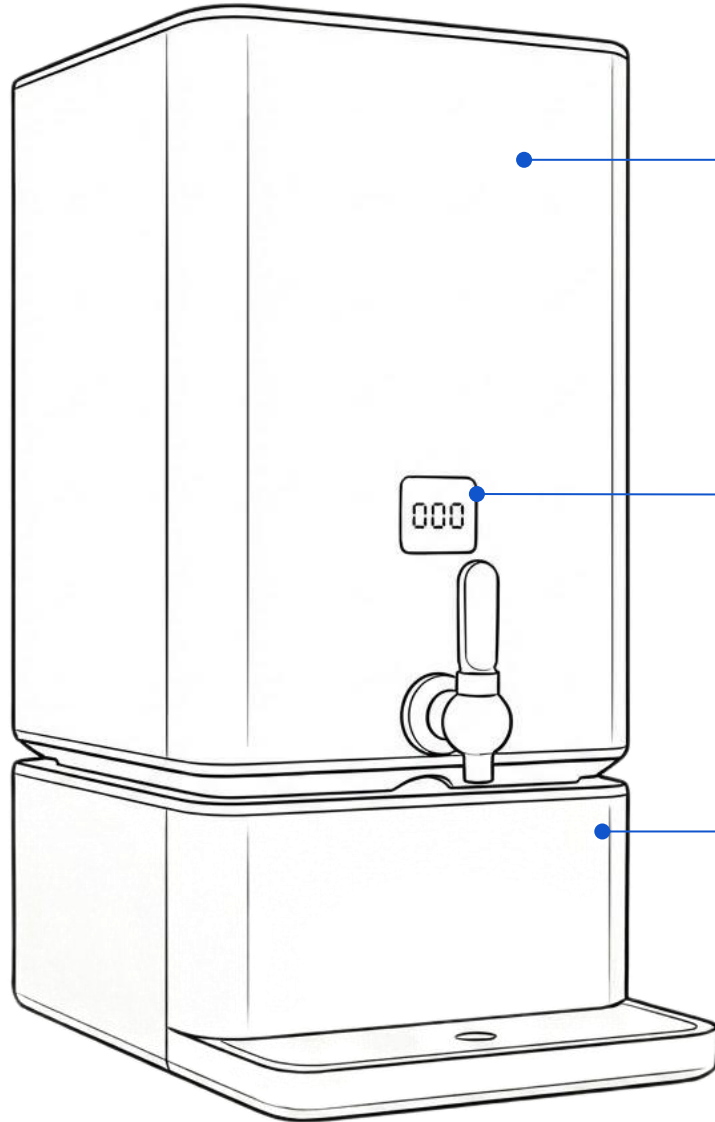


Specification		
Size	W*D*H/mm	211*475*400mm 465*230*410
	Municipal grid voltage	230V / 50HZ
System Specification	Refrigeration power /W	100W
	Cooling method	Compressor refrigeration
	Water outlet mode	Room temperature water+ cold water+ sparkling water
	Flow rate	Norma temperature water: >0.5G/min @0.24Mpa Cold water: >0.5 G/min @0.24Mpa Sparkling water: 0.2G/min
	Host UI mode	Light display
	Smart light ring faucet	6 in 1 faucet
	Inlet and outlet pipes	Inlet pipe: 1/4" Normal temperature pipe: 1/4" cold water pipe: 1/4" Bubble pipe: 1/4"
Filtering performance	Filter cartridge configuration	Origami + Charged membrane + CB
	Total process volume	4T
	Filter replacement cycle	4T/1 Year
Performance of ice water production	Refrigeration capacity: G/h	1G/h
	Ice water temperature /°C	3°C
	Ice water tank volume /G	0.75G
Performance in making sparkling water	Continuous ice water intake /L (< 7° C)	0.75G
	Volume of carbonization tank	0.17 G
	Volume of sparkling water	0.04G
	Concentration of sparkling water	>21g/G

Water Purifier



Key Differentiating Features



304 STAINLESS STEEL WATER TANK

- Naturally antimicrobial
- No risk of microplastics
- Multiple exterior anodized finish options
- Double-walled for thermal insulation

REAL-TIME WATER QUALITY INDICATOR

- TDS sensor measures water quality on output
- Re-assures filtration is working optimally
- Long-life battery that recharges from base

PEDESTAL WITH BUILT-IN COOLING

- Positions water tank to optimal use height
- Silent thermoelectric cooling built-in
- Easy power disconnect for tank portability

The Foundational Workhorse: Carbon Block Architecture

Manufacturing

Extruded and compression-molded for absolute structural integrity.

Precision

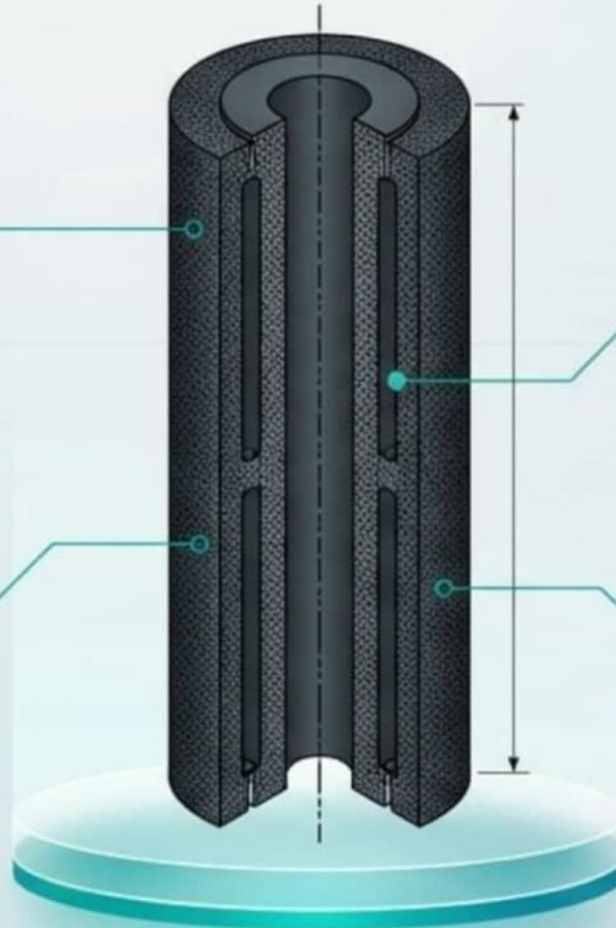
Available in tightly controlled 0.5 μ to 20 μ ratings.

Efficiency

Features a significantly larger capacity than loose Granulated Activated Carbon.

Adaptability

Easily combined with other specialized media (like lead removal material) for tailored filtration.



Engineered Carbon Blocks: Precision & Performance Tiers



Blueprint of Purity

High-Precision Functional (Class I - III Custom)

Material: Coconut Shell Activated Carbon.

Mechanism: Physical interception + adsorption.

Targets: Particulates, Chlorine, Color, Taste.

Flow Rate: 1-5 L/min 100%



Life: 500-10,000 L 100%



Heavy Metal

Heavy Metal Removal (Class I)

Material: Modified Coconut Shell + Lead Removal.

Mechanism: Chemical adsorption (ion exchange).

Targets: Adds Pesticides, VOCs, Antibiotics, Lead, Mercury.

Flow Rate: 1-5 L/min 100%



Life: 500-10,000 L 100%



Blueprint of Purity

High-Reactivity Catalytic (Class I)

Material: Catalytic Activated Carbon + Heavy Metal Material.

Mechanism: Physical + Chemical reaction (catalytic reduction).

Targets: Adds Chloramine.

Flow Rate: 1-4 L/min 80%



Life: 500-5,000 L 50%



Compliant with NSF 42, 53, 401.

Carbon Blocks

Item		High-Precision Functional Carbon Block	Heavy Metal Removal Carbon Block	High-Reactivity Catalytic Functional Carbon Block
Precision	Class I	Class I – III (Customizable)	Class I	Class I
Flow Rate (L/min)	1–5	1–4	1–5	1–4
Claimed Service Life (L)	500–10,000	500–8,000	500–10,000	500–5,000
Main Raw Materials	Coconut Shell Activated Carbon	Coconut Shell Activated Carbon	Modified Coconut Shell Activated Carbon, Lead Removal Material	Catalytic Activated Carbon, Heavy Metal Removal Material
Primary Removal/Treatment Targets	Sediment, rust, parasitic ovums, etc. (Particulates); Residual Chlorine, Color, Taste Improvement	Residual Chlorine, Particulates, Pesticides, VOCs, Antibiotics, etc.	Residual Chlorine, Particulates, Lead, Mercury, and other Heavy Metals	Residual Chlorine, Chloramine, Particulates, Pesticides, VOCs, Antibiotics, Heavy Metals, etc.
Filtering mechanism	physical interception + physical adsorption	Physical adsorption (strong)	Chemical adsorption/reaction (ion exchange/chemical binding)	Physical adsorption + Chemical adsorption/reaction (catalytic reduction)



Complaint with:

- NSF 42
- NSF 53
- NSF 401

Patents and Certifications



120+Patents



NSF Certification Experience

HISO AIR has hands-on experience securing NSF certificates in partnership with CSA, NSF and WQA.

机构名称	商标	基本介绍	测试标准
CSA	   	CSA集团（全称Canadian Standards Association加拿大标准协会）成立于1919年，是北美地区最大的安全认证机构之一，也是全球标准开发、检测、认证方面的权威机构。CSA集团开发制定超过30多本卫浴标准，也是NSF联合标委会的成员单位之一。CSA中国广州卫浴及水处理实验室可以为国内制造商提供本地化一站式直达的服务。服务的客户包括3M、LG、GF、GHP、Pentair、Unilever、PHILIPS、ANGEL、Hisense、Haier	饮水相关标准 NSF/ANSI 14、372、61 (Section 4、6、8、9)； 过滤相关标准 USA 3483.1和NSF/ANSI 42、44、53、55、58、411； 卫生相关标准 NSF/ANSI 2、3、4、5、7、8、18；电器安全CSA C22.2、UL979 电气安全标准：UL 1082 + CSA C22.2 No. 3C335-1 + CSA C22.2 No. 3C335-2-1E UL 439 + CSA C22.2 No. 64、UL 399 + CSA C22.2 No. 120、UL 979 + CSA C22.2 No. 68、UL 195 + CSA C22.2 No. 8E 能效标准：IEC、DOE、CEC、EnergyStar 电磁兼容：FCC、EMC； 化学标准：FAF5、RoHS、REACH
NSF	 	NSF制定了许多被美国环保局（EPA）所采用的，旨在保护饮用水安全的标准；同时制定了许多促进泳池/水疗安全的标准。NSF根据这些标准和其他行业标准测试和认证产品。服务过的客户：3M GE 滨特尔 AOSMTH 宸丽根 百诺肯等	
WQA		WQA美国水质协会的金印认证项目是饮用水行业最早的第三方测试和认证项目。净水器 滤芯 飞利浦 这些是已经发证的认证产品类别 • 饮用水处理装置 • 饮用水系统部件 • 饮用水处理化学品 • 饮用水处理产品可持续认证 • 低铅产品认证 • 食品设备 • 瓶装水 • 国际标准	产品认证标准 - 饮用水处理装置 

NSF Certification Experience (CSA)

HISO AIR has experience in compliance certification for the North American market. Its water purifier projects developed for the US and Canadian markets have successfully obtained a full suite of certifications including NSF 61, 42, 53 and 372 issued by CSA Group.



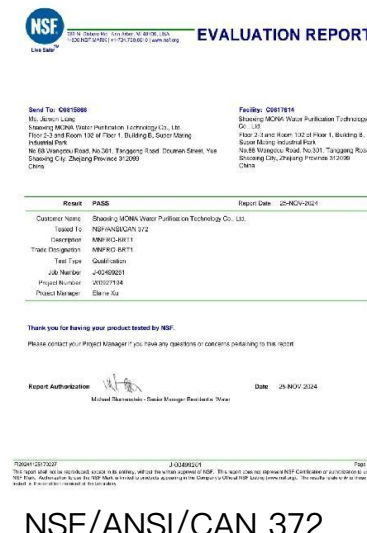
NSF61&42&53



NSF372



NSF/ANSI 58



NSF/ANSI/CAN 372