

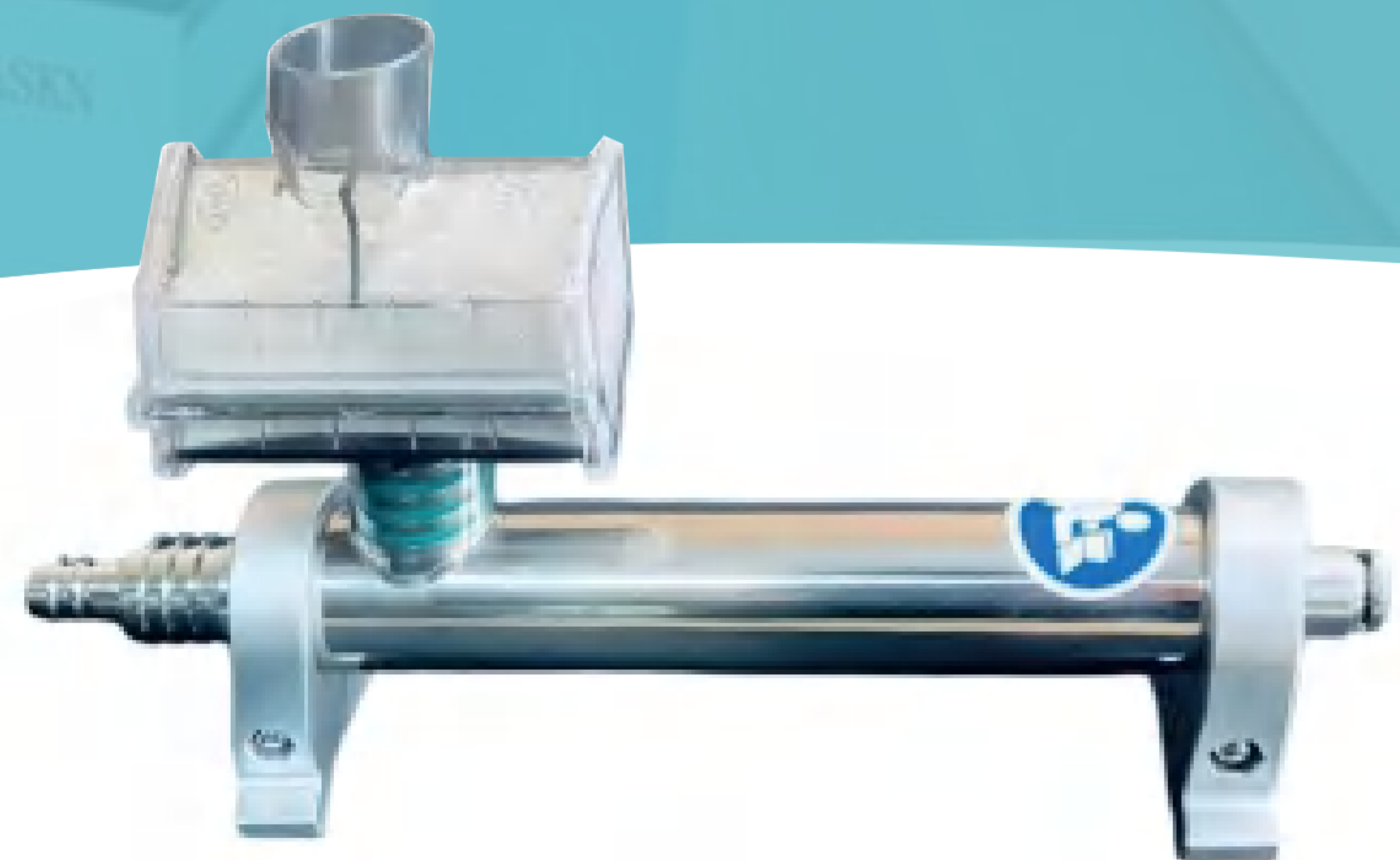
KQ-P910S

High-Pressure Gas Diffuser (Pressure Relief Valve)

The core components of this instrument are all made of 316 stainless steel, featuring an ultra-long service life, stable performance, compact size, lightweight design, and easy portability. It can meet the inspection requirements for cleanrooms (areas) necessary in various fields such as the pharmaceutical industry (pharmaceutical plants, drug testing laboratories, hospital operating rooms, etc.); the electronics industry (semiconductor factories, precision machinery production and processing, etc.); the food hygiene industry (dairy products, vacuum-packed meat products, seasoned foods, refined processing of agricultural products, etc.); cosmetics, pharmaceuticals & hygiene, biological products; optics, aerospace, and other fields requiring refined processing and precision testing. During sampling, there is no waste of input gas; 100% of the input gas is utilized for the sampling process. It offers wide applicability, safety, and reliability.

Note: According to the new GMP regulations, the cleanliness and microorganisms in compressed air need to be measured. If a counter is used to sample micro-high-pressure or high-pressure gas directly, the high-pressure gas can impact and damage the counter, making accurate measurement impossible.

The diffuser references standards GBT13277-91 & ISO8573[1].1-2001.



Product Features

- The high-pressure gas diffuser can adapt to a pressure range of 20-120psi.
- Cleanliness particle size range: 0.1μm.
- Adaptive flow rates: 2.83L/min; 28.3L/min; 50L/min; 100L/min.
- For microbial detection: compatible with planktonic bacteria samplers at flow rates of 28.3L/min, 50L/min, and 100L/min.

Model	KQ-P910S
Pressure	0.5-8bar(20-120psi)
Flow	0.1CFM/1.0CFM/50LPM/100LPM
Temperature Range	4-35℃, 0-85%relative humidity, non-condensing
Materials	316L stainless steel construction, fluoro rubber gasket
Sample Gas	Dry, inert, non-toxic, non-flammable gas
Air Inlet Connector	φ8mm air hose
Air Outlet Connector	φ12mm and φ20mm pagoda connector (integrated)
Exhaust Filter	≥99.99%@0.2 μ m
ISO Grade	ess thLan 5% of ISO Class 5
Exhaust Pipe Length	Recommended <1.5m
Dimension	240mm×60mm×140mm (dimensions include filter)
Weight	0.8Kg
Base	Can be placed on a desktop
Accessories	Packing box, PVC tube, PU tube, connectors, certificate of conformity, specification book
Compatible Instruments	Covers most domestic and international counters and planktonic bacteria samplers on the market

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