



CONFIDENCE INTEGRITY DEDICATION INNOVATION

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**2025**

**CLEAN**

**TECHNOLOGY**

**INDUSTRY SOLUTIONS**

**SPLANNEY SYSTEMS PRODUCT CATALOG**

CONFIDENCE INTEGRITY DEDICATION INNOVATION

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2013-2023 AWARDED **OVER 30 PATENT**



Continuous R&D to Create End-to-end Cleaning Solutions

Self-developed Strength Backed By National Patents

# 01

## COMPANY PROFILE

Tech-Led Green Washing

>>>

As a Chinese high-tech enterprise focused on cleaning and washing industry products, SPLANEY aims to offer smart, efficient and eco-friendly solutions globally through innovation

SPLANEY can customize full-link technology products for different industries: Cleaning technology industry, including IoT laundry room dispensing systems, IoT dishwasher dispensers, proportional dilution systems, ozone (O<sub>3</sub>) washing systems, and IoT remote PH

SPLANEY has first-class capabilities in early-stage product R&D, mid-term technical docking, and post-maintenance support. Our cleaning products are popular in the Americas, Europe, Southeast Asia, and China, serving diverse regional needs and offering one-stop solutions

## PATENT CERTIFICATION

>>> Leading R&D Capabilities

SPLANEY has global leading R&D capabilities. Since its establishment over a decade ago, we've filed 30+ patents and have CE, ISO9001 certifications

Additionally, all the company's software and hardware are based on our proprietary intellectual property, ensuring on-time, quality deliveries to clients



## BUSINESS PHILOSOPHY

>>> SPLANEY Business Philosophy

### From idea to launch, we're with you

At SPLANEY, we focus on tech, integrating our internal R&D, design, and test efforts with external sales and tech services, creating an efficient workflow. We offer one-stop services, from design to installation



### End-to-End Technology Management

- Over a decade of R&D experience, with 30+ patents applied for
- Our tech team excels in software, circuit design, and 3D modeling

### Pioneering Concepts

- First manufacturer to introduce a "Maintenance-Free" concept
- R&D investments make up over 40% of annual profits



### Cutting-Edge Equipment

- Company has a fully automated mold factory equipped with injection molding machines and CNC milling machines
- Owns over 200 sets of proprietary professional molds

### Modern Laboratories

- With specialized testing tools in our software lab, we can easily customize your unique program features
- All devices are MCU-driven and IoT-manageable



### Global Influence

- Products exported to major cities in America, Europe, and Asia, etc

### Services & Commitment

- Professional after-sales team answers technical questions 24/7
- Tech team in San Francisco, USA, liaises with international clients

### Authoritative Certifications

- Passed EU CE, ISO, and other international quality system certifications

## PRODUCT APPLICATIONS

>>> SPLANEY Product Applications

Cross-disciplinary tech integration, offering solutions for various scenarios

SPLANEY is committed to providing one-stop solutions for various industrial fields, including cleaning and disinfection. Here, we will showcase our main product lines and customized solutions for application scenarios, helping you explore the technological allure of each product



### IoT Laundry Dispensers and Rel. Prod Series

内部洗衣房 OPL

- Hotel and School
- Healthcare

商业/工业 Commercial/Industrial

- Laundry Factory
- Laundromat
- Dry Cleaner

### IoT Kitchen Dishwasher Dispenser Series

商业/工业 Commercial/Industrial

- Restaurant and Hotel
- School and Hospital
- Production Facilities
- Facilities and Cafeteria



### Manual/IoT Room Proportional Diluter Series

商业/工业 Commercial/Industrial

- Food & Livestock
- Manufacturing
- Cosmetics and Beauty

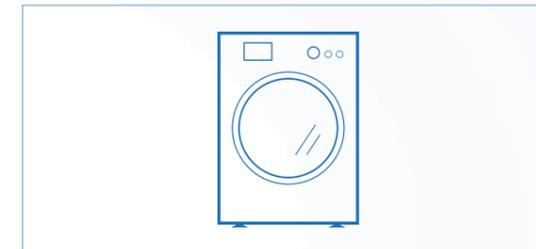
# 02

## IOT LAUNDRY DISPENSERS AND REL. PROD SERIES >>>



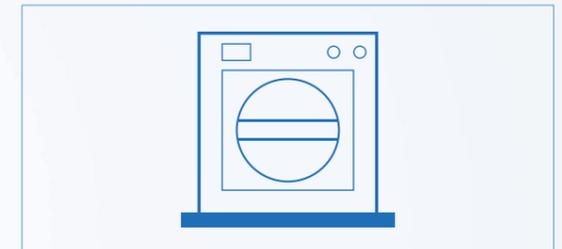
### LAUNDRY APPLICATION

>>> Chemical Dispensing System



**Home Washing Machine**

Small home washers are key for self-service laundromats. They allow coin or card payment for easy washing and are convenient for those with limited space or often on the move.



**Industrial Washing Machine**

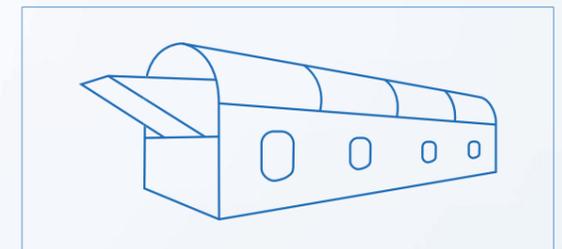
Industrial washers excel at large-scale cleaning. Designed for healthcare, hotels, and factories, they handle 50-200KG loads, ensuring top quality washing of hospital sheets, hotel towels, and factory uniforms.



**Self-service Washing Machine**

Self-service washers are favored by laundromats. Similar to home units but larger, they're ideal for those without home laundry or needing greater capacity.

They fill a crucial gap in the market, providing an accessible and more robust laundry solution that suits a variety of needs.



**Tunnel Washing Machine**

Tunnel washers are specialized industrial machines for continuous, large-scale washing. Garments enter one end and pass through washing and rinsing stages, exiting at the opposite end.

Thanks to their efficiency, these machines excel in settings needing rapid, bulk cleaning, like hospitals, hotels, and large laundry services.

## INTRODUCE INTERNET OF THINGS

>>> DETAILED

### SPLANEY IOT SYSTEM

ACHIEVE INTELLIGENT WASH DATA MANAGEMENT

Through years of continuous exploration in the field of cleaning, we have built an advanced SPLANEY IoT platform based on cloud technology

It provides you with visualized cleaning data analysis, manages chemicals, water, and energy consumption, helping you optimize production, reduce costs, and improve user satisfaction

### SPLANEY REMOTE MANAGEMENT CAPABILITY

Utilizing the high-speed data exchange features of the SPLANEY IoT system, you can precisely monitor real-time wash quality of each system and analyze feedback, ensuring optimal laundry factory operation

### Real-Time Alerts

Sync chemical levels, usage, and alerts for flushing & pressure, compiling them into error reports for remote notifications

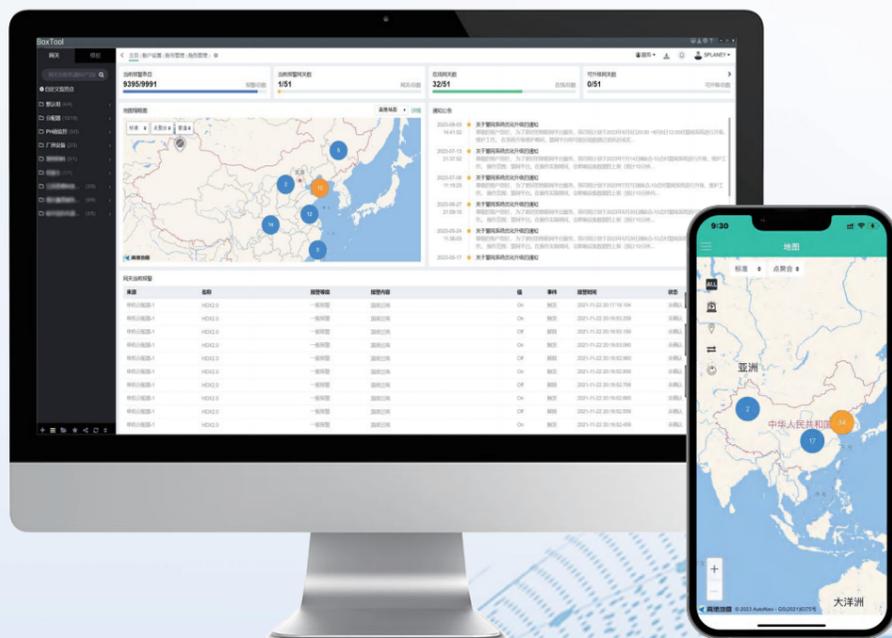
### Smart Data Analysis

Leveraging SPLANEY system's dynamic data processing, you can obtain core data like washing cycles, weight, and linen type ratios of washing machines, and exporting 100+ evaluation

### Resource-Saving Inputs

Additionally, the system supports queries for pump usage and costs. With optional IoT PH monitoring and ozone (O3) washing tech, it reduces resource inputs, achieving efficiency

\*PH and temperature sensor also support error report



Connection Method: WIFI, LAN, 4G/5G



Compatibility: Windows, MAC, Android, ios

## INTRODUCTION TO THE DISPLAY SCREEN

>>> DETAILED

### SPLANEY COLOR TOUCHSCREEN SYSTEM

TOUCH COLORFUL WORLD, LEADING TECH TREND

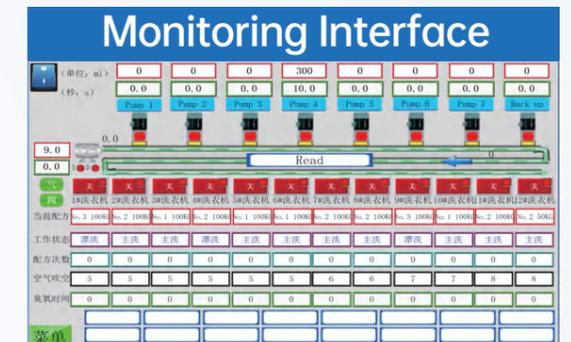
After years of R&D at SPLANEY Lab, we've launched an LCD HD color touch system with a new UI. Each interface is optimized for monitoring, data collection, and configuration, aiming for a smarter, simpler, more efficient user experience

### Data Center Interface



The data center is SPLANEY's core control hub. It offers visualized reports for precise management, enabling an intelligent management path from goal-setting to process optimization and results

## SPLANEY PARAM CONTROL



The monitoring interface is expertly designed. It allows clear views of pump usage, formulas, steps, and counts, along with advanced data like ozone time, ensuring optimal operations

### Manual Debugging Interface



Manual debugging interface is a tool-based interface. You can click to check the working status of each component to quickly identify and eliminate potential faults

## SPLANEY MANAGEMENT SYSTEM DRIVE MODEL

**30%**  
Chemical Impact on Efficiency

**25%**  
Temp Impact on Efficiency

**20%**  
Load Impact on Efficiency

**25%**  
Wash Time Impact on Efficiency



## MAINTENANCE-FREE DIAPHRAGM PUMP

>>> MWH-18 SERIES

### Overview 概述



The MWH-18 series is a high-flow, maintenance-free diaphragm pump for high-acid and viscous chemicals. It uses a composite O-ring for excellent sealing and corrosion resistance

Unlike traditional Diaphragm pump, MWH-18 can auto-siphons chemicals, negating auxiliary valves and boosting efficiency

After years of R&D and market validation, the MWH-18 series has stood out for its outstanding performance, becoming a classic product in the market



### Parameters 产品参数

- Flow Range: 108-162 L/h
- Pressure Resistance: Up to 8 Bar
- Stroke Frequency: 100 strokes/min
- Motor Power: Standard 0.06Kw
- Rated Voltage: 220V/50Hz

### Patents 产品特性

- Holds 5 tech patents, certified by EU CE, ISO, etc

### Application 适用范围

- MWH-7B Series
- MWH-DB-7B Series
- XYL-7B Series

### Features 技术优势

- Designed for acidic and alkaline viscous chemicals, single pump can resist acid/alkaline
- Accuracy error less than 1%\*, optional 162 L/hour version available
- Made of composite materials, diaphragm lifespan averages 5 years
- Handles 8Bar pressure for long-distance transfer needs
- Auto-siphons chemicals, no need for auxiliary exhaust valves
- \* Accuracy certified by Shenzhen Academy of Metrology & Quality Inspection, China

### Certification 权威认证



## QUICK-PLUG COLLECTOR

>>> JSQ-20 SERIES

### Overview 概述



In the laundry, collectors are one of the components that combine and dilute chemicals with water. The JSQ-20 series epitomizes this

It has an in-house patented quick-plug design, solving leaks and disassembly issues during chemical measurement



### Product Features 产品特点

- Quick-plug measuring port, no contact between staff and chemicals
- No need for screwdrivers and clamps for assembly, enhancing efficiency

## Springless Pneumatic Valve

>>> SLF-45系列

### Overview 概述



The SLF-45 series is a patented springless pneumatic valve, without any metal components in

It has a water-air system and a springless magnetic air-blow check valve for precise chemical delivery to washers

### Product Features 产品特点

- No metal components in the channel to prevent spring corrosion and valve blockage
- Water-air blow dual conveyance leaves no pipeline residue, good for cold areas
- Unique springless magnetic air blow one-way valve minimizes backflow risk
- Valve diaphragm have an average lifespan of over 5 years

## INTELLIGENT RELIEF VALVE

>>> XYF-45 SERIES

### Overview 概述



The XYF-45 series patented intelligent pressure relief valve is a safety valve to release excess pressure.

Unlike standard valves, XYF-45 uses a sensor chip to auto-halt equipment and identify faults when pressure's too high, aiding troubleshooting

### Product Features 产品特点

- Equipped with pressure sensor chip, real-time detection of pipeline pressure and fault location
- Paired with a mechanical relief valve, quickly

### Certification 权威认证





### Dispenser Parameter

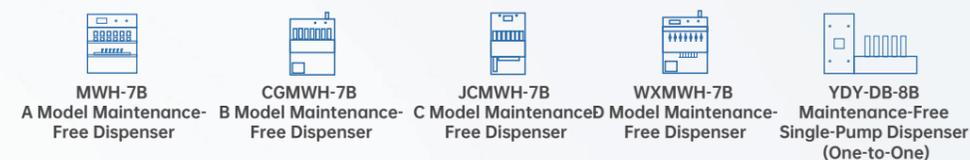
>>> 分配器参数



### Flow Rate / Hardware Configuration

>>> 流量硬件/配置

#### Maintenance-Free Series (Main Product Line)



Flow Rate L/min	1.8L/min	1.6L/min	1.5L/min	1.4L/min	1.4L/min
配置选项					
Maintenance-Free Diaphragm Pump	√	√	√	√	
Maintenance-Free Micro Diaphragm Pump					√
Quick-Connect Flush Manifold	√	√	√	√	
Corrosion-Resistant Pneumatic Valve	√	√	√	√	√
Intelligent Electronic Pressure Relief Valve	√	√	√	√	
Smart IoT System	•	•	•	•	•

"√" Indicates Applicable, "•" Indicates Non-Standard, Optional

### Application Scenarios



	Single-Unit Commercial Industrial Washer	Multi-Unit Commercial Industrial Washer	Tunnel Washing Machine	Ozone (O <sub>3</sub> ) Washing System	pH Remote Monitoring System
Maintenance-Free Diaphragm Series	Standard A Maintenance-Free Dispenser		√	√	•
	Regular B Maintenance-Free Dispenser		√	√	•
	Compact C Maintenance-Free Dispenser		√	√	•
	Mini D Maintenance-Free Dispenser		√	√	•
	Single-Pump Maintenance-Free Dispenser		√	•	•
	Single-Pump Dispenser (One-to-One)	√			•
Peristaltic Pump Series	Modular Dispenser (One-to-One)	√			•
	Medium-Flow Peristaltic Dispenser	√			•
Venturi Pump Series	High-Flow Peristaltic Dispenser	√			•
	Venturi Dispenser		√		•
	Modular Venturi Dispenser (One-to-One)	√			•

"√" Indicates Applicable, "•" Indicates Non-Standard, Optional

### Peristaltic & Venturi Series



Flow Rate L/min	1.5ML/min	440~1500ML/min	700~1500ML/min	600~1300ML/min
配置选项				
Peristaltic Pump	√	√		
Spring-Free Venturi Pump			√	√
Quick-Connect Flush Manifold	√	√		
Corrosion-Resistant Pneumatic Valve	√		√	
Smart Electronic Pressure Relief Valve	√		√	
Smart IoT System	•	•	•	•

"√" Indicates Applicable, "•" Indicates Non-Standard, Optional

## IoT Maintenance-Free laundry chemicals dispenser

>>> MWH-7B Series

### Overview 概述



The Standard A Maintenance-Free Laundry Dispenser is SPLANEY's flagship product, featuring the MWH-18 patented diaphragm pump for acidic, high-viscosity chemicals. With 8-bar pressure resistance, it ensures precise, damage-free long-distance dosing, solving inaccurate feeding and high failure rates in traditional dispensers

The MWH-7B series integrates a spring-free pneumatic valve, quick-connect flush manifold, and smart relief valve system, offering one-to-one to one-to-twelve configurations

It also supports SPLANEY's smart IoT system for real-time washing monitoring and remote resource management, optimizing cost and efficiency



### Parameters 产品参数

**Flow Range:** 108~162 L/min  
**Pump Pressure Resistance:** 8 Bar  
**Operating Temperature Range:** 0°C - 60°C  
**Rated Air Pressure:** 0.4 MPa  
**Pump Accuracy:** Average error ≤1%

### Application 适用范围

- Handles up to 8 chemicals (7 standard) and 12 industrial washers
- Maintenance-free, ideal for high-volume viscous dosing

### Features 技术优势

- High-pressure, maintenance-free diaphragm pump for acidic, high-viscosity chemicals
- Patented quick-connect port prevents suction issues
- Corrosion-resistant pneumatic valve with a 5+ year lifespan
- Smart relief valve detects clogs and sends alerts
- Extended-delay water-air flush ensures safe dosing
- Mobile/PC access to SPLANEY IoT with 100+ digital reports
- Supports remote pH monitoring and ozone washing
- Optional 15" high-resolution LCD touchscreen
- Sealed anti-corrosion cabinet with hidden hinges
- \* See sections 7, 9, and 10 for details

## IoT Single-Pump Dispenser

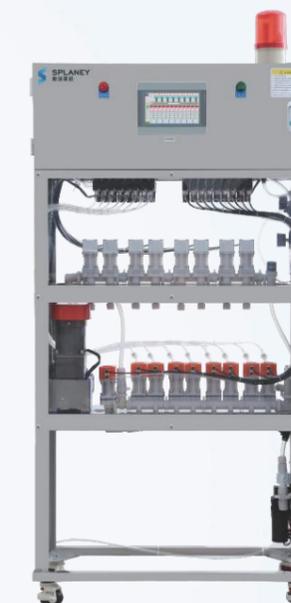
>>> MWH-DB-8B Series

### Overview 概述



MWH-DB-8B series uses a single high-speed maintenance-free diaphragm pump to run an intelligent dosing system. It dynamically sequences pre-mixing and flushing to prevent chemical reactions

It also supports remote SPLANEY IoT integration for real-time monitoring and efficient management, reducing waste and cost



### Parameters 产品参数

**Single Pump Flow Rate:** 162 L/h  
**Rated Air Pressure:** 0.4 MPa

### Application 适用范围

- Modular design, supports up to 8 chemicals and controls 8 industrial washing machines

### Features 技术优势

- Single-pump design for high-speed motor diaphragm pumps
- Dual-stage flush pump prevents reactions, ensures dilution
- Integrated corrosion-resistant pneumatic & vacuum valves
- Smart relief valve detects blockages, alerts users
- Magnetic flush system enables fast, backflow-free dosing
- Supports IoT pH monitoring & ozone washing
- Access SPLANEY IoT with 100+ operational reports
- Optional 10" LCD touchscreen
- \* See pages 7, 9, 10 for hardware & IoT details



### MWH-18 Maintenance-Free Pump Advantages

- **For Viscous Chemicals:** Patented pump for acidic, high-viscosity fluids
- **High Precision:** ≤1% error, metrology certified
- **Durable:** Corrosion-resistant, 5+ year diaphragm lifespan
- **Strong Pressure Resistance:** Up to 8 Bar, ideal for long-distance dosing
- **Self-Priming:** Auto-refills without flushing or exhaust valves



### MWH-18 Maintenance-Free Pump Advantages

- **For Viscous Chemicals:** Patented pump for acidic, high-viscosity fluids
- **High Precision:** ≤1% error, metrology certified
- **Durable:** Corrosion-resistant, 5+ year diaphragm lifespan
- **Strong Pressure Resistance:** Up to 8 Bar, ideal for long-distance dosing
- **Self-Priming:** Auto-refills without flushing or exhaust valves

## Standard (Type B) IoT Maintenance-Free laundry chemicals dispenser

>>> CGMWH-7B Series

### Overview

概述



SPLANEY's B-type maintenance-free dispenser is a modular system for high-strength industrial laundry, supporting up to 8 tunnel washers and managing 8 chemicals (7 standard)

Equipped with the MWH-16 pump, featuring a high-power motor, 96L/h flow, 6Bar pressure resistance, and post-drain self-priming—ideal for complex, high-demand dosing scenarios

Fully compatible with SPLANEY IoT system for real-time and historical data access via mobile, laptop, or PC



### Features

技术优势

- Equipped with waterproof high-power motor, suitable for high-viscosity chemicals
  - Patented quick-connect inlet prevents leaks and ensures accurate suction
  - Patented corrosion-resistant springless pneumatic valve with 5+ years diaphragm life
  - Patented smart relief valve detects blockages and alerts automatically
  - Magnetic springless flush system enables fast dosing with no backflow risk
  - Access SPLANEY IoT via phone or PC, with 100+ reports for full laundry analysis
  - Supports IoT pH monitoring and ozone washing system integration
  - Optional 7" high-res LCD color touchscreen
- \* For details on hardware and IoT systems, refer to pages 7, 9, and 10

### Parameters

产品参数

**Flow Rate:** 96L/h  
**Pressure:** up to 6Bar  
**Temp Range:** 0°C–60°C  
**Accuracy:** ≤1% deviation

### Application

适用范围

- Supports up to 8 chemicals (7 standard), controls up to 12 tunnel washers
- Maintenance-free, ideal for high-volume viscous dosing

## Compact (Type C) IoT Maintenance-Free laundry chemicals dispenser

>>> JCMWH-7B Series

### Overview

概述



Slim C-Series Dispenser Compact design for mid-size commercial/industrial laundry, supports 8 washers and 7 chemicals.

With MWH-15 pump and vertical motor, handles 4.5 bar, ideal for mid-range dosing and medium volume use

IoT-enabled, remote access to reports and settings boosts efficiency and reduces costs.



### Parameters

产品参数

**Pump Flow Rate:** 84 L/h  
**Pressure Capacity:** Up to 4.5 Bar  
**Temperature Range:** 0°C - 60°C  
**Flow Accuracy:** ≤1% deviation

### Application

适用范围

- Can add 7 chemicals, controls 8 industrial washing machines
- Maintenance-free design, suitable for medium viscosity chemicals

### Features

技术优势

- Compact and modular, easy to install even in tight laundry spaces
  - Standard motor, ideal for mid-range viscous chemical dosing
  - Patented quick-plug port prevents suction errors from dripping
  - Equipped with corrosion-resistant springless valve, membrane lasts over 5 years
  - Smart safety valve system alerts on tube misplacement
  - Integrated springless magnetic rinse-air valve, fast dosing, no backflow
  - Remote access via phone or PC with over 100 digital reports
  - Optional 7-inch high-res LCD touchscreen
- \* For details on hardware and IoT systems, refer to pages 7, 9, and 10



### MWH-16 Maintenance-Free Pump Advantages

- **Strong Chemical Compatibility:** Sealed high-power motor handles high-viscosity chemicals
- **High Accuracy:** ≤1% error, certified by Shenzhen Metrology Institute
- **Long-lasting:** Corrosion-resistant composite, membrane life over 5 years
- **Excellent Pressure Tolerance:** Withstands up to 6Bar, suitable for tough environments
- **High Seal Efficiency:** No need for rinse or air valve after vacuum, auto refilling



### MWH-15 Maintenance-Free Pump Advantages

- **Flow Versatile:** 84L/h, suitable for various washing scenarios
- **High Precision:** ≤1% error, certified by Shenzhen Metrology Institute
- **Durable & Stable:** Imported corrosion-resistant composite, membrane life over 5 years
- **Strong Pressure Tolerance:** Handles 4.5Bar, ideal for mid/short-distance transfer
- **High Sealing:** Auto refilling after vacuum, no need for extra rinse or air valve

## IoT Maintenance-Free Tunnel Washer Dispenser

>>> MWH-XYL-8B系列

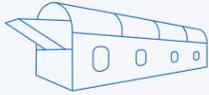
### Overview

概述

MWH-XYL-8B is designed for 12-16-module tunnel washers, using high-flow diaphragm pumps and air blow-through for accurate dosing

Works with temp and pH probes to optimize dosing based on wash status

Supports SPLANEY IoT system for real-time monitoring and flexible formula control



### Parameters

产品参数

Flow Rate: 108-162 L/h  
Rated Air Pressure: 0.4 MPa  
Rated Voltage: 220V / 50Hz  
pH Sensors: 2 sets/unit

### Features

技术优势

- MWH-18 series patented large-flow maintenance-free diaphragm pump\* designed for acid-alkali viscous chemicals
- Standard-equipped with a patented quick-plug integrated measuring port featuring a flushing solenoid valve\*
- High-lift stainless steel boosting water pump, with an optional 60-liter water tank
- Dual-power flushing and air-blow transport\*, fast dosing, no residue
- Temp. and PH sensors can be interfaced with the system's input ports, collaborating with IoT to read over 100 sheets of essential washing data reports for tunnel washing machines\*
- Optional 15-inch high-resolution color touchscreen, standard-equipped with a tunnel washing machine-specific graphical dynamic data interaction interface\*
- Customizable enclosed glass cabinet version available.

\* For more details, please refer to pages 7, 8, 9, 10

\* see page 22 for PH monitoring system details

### Application

适用范围

Tailored for large tunnel washers, supports up to 8 chemicals

Optional mid-flow maintenance-free mini diaphragm pump



## MWH-18 Maintenance-Free Pump Advantages

- **For Viscous Chemicals:** Patented pump for acidic, high-viscosity fluids
- **High precision:** ≤1% avg. error (certified by Shenzhen Institute)
- **Durable & stable:** Corrosion-resistant composite, membrane lasts 5 years
- **High pressure:** Handles up to 8Bar, ideal for long-distance, high-resistance dosing
- **Excellent sealing:** No rinse or valve assist needed after air discharge

## Compact Maintenance-Free Diaphragm Pump

>>> WXMWH-15 Series

### Overview

概述



The WXMWH-15 series is designed to tackle the high failure rate of peristaltic pumps. Made of the same material as the MWH-18 series, it has a 24V motor and features maintenance-free operation, high flow, and great accuracy

### Parameters

产品参数

Flow Rate: 90L/h  
Pressure: up to 4.5 Bar  
Rated Voltage: DC24V



### Certification

产品认证

- Equipped with 2 patented technologies and certified by CE, ISO, SGS, and other quality systems

### Application

适用范围

- WXMWH-7B and YDY-DB-7B series
- Fits medium-viscosity acid/alkali chemicals

### Features

产品特点

- Designed to replace peristaltic pumps, suitable for medium viscous chemical addition needs
- Made of corrosion-resistant material, diaphragm lifespan up to 5 years.
- Capable of withstanding up to 4.5Bar pressure, with high accuracy and an error rate of less than 1%.
- Auto-siphons chemicals, no need for auxiliary exhaust Valves, single pump can resist acid/alkaline
- Both WXMWH-15 and FXMWH-13 series have passed accuracy certified by Shenzhen Academy of Metrology & Quality Inspection, China.

## Compact Maintenance-Free Box Pump

>>> FXMWH-13系列

### Overview

概述



As the smallest patented diaphragm pump in the washing industry, the FXMWH-13 series is designed for self-service laundries. It inherits the MWH-18 series' corrosion-resistant PP casing and features a unidirectional inlet and outlet for chemicals, minimizing space and maximizing usability

### Parameters

产品参数

Pump Size: 86\*57\*105 mm  
Flow Rate: 78 L/h  
Pressure: up to 3.5 Bar



### Certification

产品认证

- Equipped with 3 patented technologies and certified by CE, ISO, SGS, and other quality systems

### Application

适用范围

- YDY-MWH-7B series
- Fits medium-low viscosity acid/alkali chemicals

### Features

产品特点

- Currently the smallest corrosion-resistant diaphragm pump in the industry, designed for self-service laundries.
- Corrosion-resistant PP casing, extremely high accuracy, single pump can resist acid/alkaline.
- No adhesive mini corrosion-resistant diaphragm, low space requirement, lifespan over 2.5 years
- Auto-siphons chemicals, no need for auxiliary exhaust Valves

### Certification

权威认证





## Compact (D-Type) IoT Maintenance-Free laundry chemicals dipenser

>>> WXMWH-7B Series

### Overview

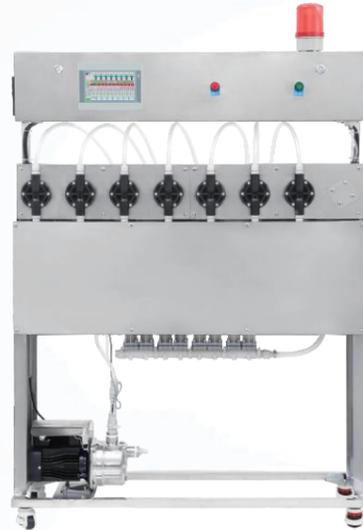
概述



To address high failure rates and maintenance issues with traditional pumps, SPLANEY launched the revolutionary Micro D Series maintenance-free dispensers for small to mid-sized laundries

Compared with traditional systems, the MWH-14 pump features corrosion-resistant composite materials with over 5-year lifespan, no tube replacement, and integrates key technologies like flush manifold, air valve, and smart relief valve, making it ideal for service scale-up

Like all SPLANEY dispensers, Micro D Series supports full IoT integration. Modular software enables customized data services for different users



### Parameters

产品参数

- Pump Flow Rate: 70 L/h
- Pressure Tolerance: 3 Bar
- Flow Accuracy: ≤1% deviation
- Motor Voltage: DC 24V

### Application

适用范围

- Supports 7 chemicals, controls up to 8 standard industrial washers
- Maintenance-free design for low/medium-viscosity dosing

### Features

技术优势

- Patented WXMWH-15 Medium-flow micro maintenance-free diaphragm pump\*, Accuracy error less than 1%
  - Patented quick-plug measuring port\*, no contact with chemicals
  - Corrosion-resistant patented pneumatic valve\* without springs, diaphragm life up to 5 years
  - Patented intelligent pressure relief valve\*
  - self-detects blockage position and sends alarm
  - Dual-power flushing and air-blow transport\*, fast dosing, no residue.
  - Accessible via mobile phone, computer through IoT system\* (Optional), accompanied by up to 100 digital reports for operational analysis
  - Compatible with SPLANEY PH monitoring and ozone cleaning system
  - Optional 10-inch high-resolution color touchscreen\*
- \* For more details, please refer to pages 7, 8, 9, 10

## MWH-14 Maintenance-Free Pump Advantages



- Peristaltic Pump Alternative:** Designed to replace peristaltic pumps, ideal for low to medium viscosity dosing
- High Accuracy:** Avg. error ≤1%, certified by Shenzhen Metrology Institute
- Durable & Stable:** Corrosion-resistant composite, membrane lasts over 5 years
- Tight Sealing:** Excellent sealing, auto dosing after evacuation without flushing
- Compact Design:** Space-saving, fits narrow laundry rooms

## Adaptive Peristaltic Pump

>>> RDB-15 Series & RDB-044 Series

### Overview

概述



As a classic fluid solution, peristaltic pumps still hold a certain market position. To meet diverse needs, we've launched the RDB-15 and RDB-044 series of peristaltic pump products

Both series use advanced PUM guide roller tech. They lubricate the pump tubing adaptively during compression, boosting wear resistance and anti-corrosion. With motors of varying speeds, different flow solutions can be

### Parameters

产品参数

- RDB-15 Series :**  
Flow Range: Multiple options from 18 to 90 L/h  
Voltage: DC24V
- RDB-044 Series:**  
Flow: 26.4 L/h  
Voltage: DC24V



## Magnetic Venturi Pump

>>> WQL-22 Series

### Overview

概述



To tackle traditional pump issues like noise and complexity, we introduced the WQL-22 series' patented Venturi pump, representing a new possibility in the laundry industry.

Compared to older models, the WQL-22 series integrates patented springless magnetic pump check valve tech, combined with quick-plug interface design, greatly enhancing reliability.

### Certification

产品认证

- Holds 2 patents, certified by EU CE, ISO, etc

### Model differences

型号区别

- RDB-15 series offers a high flow rate option, tailor-made for large laundries.
- RDB-044 series embraces a micro-design concept, providing leading solutions for self-service small laundromats.

### Features

产品特点

- Options for various motor speeds and Silicone tubes
- Advanced PUM roller tech, adaptively lubricating the pump tubing, reducing friction and enhancing efficiency
- Guide wheel design ensures even force during operation, guaranteeing stable chemical output
- Modular quick-plug installation method makes

### Features

产品特点

- Patented springless magnetic pump check valve tech, no any metal parts within the chemical channel, reducing failure rate
- All interfaces use a quick-plug design, ensuring no contact between personnel and chemicals.

### Certification

权威认证





## IoT Dispenser for Laundry Room

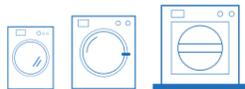
>>> RDB-7B Series

## IoT Laundry Room Dispenser

>>> WQL-7B Series

### Overview

概述



RDB-7B series is a dispenser that uses traditional high-flow peristaltic pumps for industrial laundry dosing. It supports various pump flows and modular plug-in non-spring solenoid valves, managing up to 8 washers.

Designed to help traditional laundries achieve precise dosing, it connects to the SPLANEY IoT system for digital reports and data analysis



### Parameters

产品参数

**Peristaltic Pump Flow Rate:** 20-90 L/h

**Rated Air Pressure:** 0.4 MPa

**Rated Voltage:** 220V / 50Hz

### Certification

产品认证

- Multiple national patents and certified by CE, ISO and other quality systems

### Application

适用范围

- Modular design, supports up to 8 chemicals and 8 industrial washers

### Features

技术优势

- Support multiple flow ranges including low, medium, and high for RDB -15 Series Silicone peristaltic pumps\*
  - Advanced PUM-guided roller technology, self-lubricating pump tube, ensuring excellent wear and corrosion resistance
  - Optional patented quick-plug measuring port, pneumatic and intelligent pressure relief valves among essential system components\*
  - Same as MWH-7B series, the RDB-7B series also supports all functions and data export capabilities of the SPLANEY IoT (Optional) system\*
- \* Optional 15-inch high-resolution color touchscreen\*

### Certification

权威认证



### Overview

概述



WQL-7B is a low-maintenance intelligent washer system based on Venturi and water-driven. Unlike traditional Venturi systems, it includes a pressure flow stabilizer to eliminate dosing instability caused by varying water resistance

Equipped with a patented valve-free unidirectional pump and advanced logic control, it ensures precise chemical dosing



### Parameters

产品参数

**Venturi pump flow:** 144L/h

**Rated air pressure:** 0.4 Mpa

### Certification

产品认证

- Multiple national patents; certified by CE, ISO systems

### Application

适用范围

- The system supports controlling up to 12 industrial washing machines simultaneously
- Simple structure, low failure rate, suitable for pumping chemicals with lower viscosity

### Features

技术优势

- Supports stable water flow relay and dynamic dual-pump intelligent control technology, ensuring precise chemical metering
- Supports WQL-22 Series Venturi pump, non-spring magnetic pump check valve tech\*, with no metallic
- Components inside the channel, significantly reduces the failure rate.
- Optional patented quick-plug measuring port, pneumatic and intelligent pressure relief valves among essential system components\*

- Optional 15-inch high-resolution color touchscreen\*

\* For more details, please refer to pages 7, 8, 10, 16

### Certification

权威认证





SPLANEY also offers a series of one-to-one laundry chemical dispensing solutions. Usually, in many laundromats/dry cleaning shops, there are only a few small washing machines. Therefore, the most cost-effective solution is to use separate dispensers instead of a centralized system

**Multiple Dispenser Options Available**  
Provides various solutions, including anti-corrosion versions and flexible configurations for different needs

**High-Definition Color Screen**  
Features an LCD color touch screen for easy control, with energy-saving and data optimization capabilities

**Dynamic Data Statistics**  
Monitors real-time washing data, aiding in process optimization and improving efficiency

**Dynamic Data Statistics**  
Monitors real-time washing data, aiding in process optimization and improving efficiency

**Application Scenarios**

In-house laundry room

Commercial laundry room

**Monitoring Interface**

View detailed information such as current dosage, formula, and cycle count

Real-time monitoring of dynamic parameters like water flow, Kia, etc., and manage washing

**Data Interface**

Real-time statistics of chemical usage/price, formula cycles, and washing cycles/weight

Summary of major operation records and error status reports

**Configuration Interface**

Configure sensor alarms and detect wear-reduction devices

The system intelligently identifies fault locations and provides maintenance suggestions

## IoT Modular Maintenance-Free Membrane Dispenser

>>> YDY-MWHG-8B Series

**Overview** 概述

The YDY-MWHG-8B series features a modular design, providing a flexible solution for industrial laundry systems. The system can be configured with up to 8 membrane nozzles to meet various needs

Meanwhile, the MWH-14 series, known for its small size and high performance, is the industry's smallest membrane nozzle with a high-efficiency motor, capable of lasting over 3 years

Additionally, the modular design allows customers to customize the system with quick-connect components, enhancing operational efficiency



**Parameters** 产品参数

- Flow Rate: 20-90 liters/hour
- Modular Quantity: 1-8 units
- External Material: ABS engineering plastic

**Application** 适用范围

- Designed for single laundry machine dosing, supports 1-8 different chemicals
- Suitable for users needing high-viscosity chemical products and maintenance-free solutions

**Features** 技术优势

- Suitable for mid to large-scale laundry machines with high-viscosity chemicals
- Equipped with a specialized dosing dispenser designed for high-viscosity laundry chemicals
- The whole machine features quick plug-in modular design, able to combine 1-8 dosing units or antiscum units
- Can be paired with fast plug-in water treatment units with magnetic valves
- Enclosed in ABS plastic, suitable for laundry environments with high temperature and humidity
- Includes a 4.3-inch color LCD touch screen for control and modification of parameters
- Supports SPLANEY smart IoT system for real-time monitoring and data analysis

**MWH-14 Series Dispenser Advantages**

- Space-saving:** The smallest corrosion-resistant membrane dispenser for indoor laundries
- High Accuracy:** Design precision  $\leq 1\%$ , verified by Shenzhen Quality Inspection Institute
- Durable:** Special corrosion-resistant film, occupying minimal space, with an average lifespan of over 3 years
- Durable:** Excellent Pressure Resistance: Can withstand up to 3.5 Bar, reducing the loss in traditional dispensers
- Durable:** Efficient Sealing: Excellent sealing performance; no exhaust required, automatically adding chemicals after wash cycle



Parameters 产品参数

Control system size: 27cm\*77cm\*20cm  
Peristaltic pump flow rate: 20-90L/hour  
Available modular combinations: 8 units

Certification 产品认证

- Holds multiple national patents and has passed CE, ISO, and other system certifications

Application 适用范围

- Designed for single washing machine dosing, supports 1-8 different chemicals
- Can cover multiple laundry scenarios by selecting different flow rates and maintenance cycle nozzles

## IoT One-to-One Modular Peristaltic Pump Dispenser

>>> YDY-MWH-8B Series

Overview 概述



The YDY-MWH-8B peristaltic pump modular series is designed for compact self-service laundromats, offering modular features with 1-8 pumps to suit various machine capacities

All peristaltic pumps use advanced PUM wheel technology for even lubrication and enhanced wear and corrosion resistance

The modular pump series also offers a patent-pending quick plug-in water collection system, with electromagnetic valves and wall mounts for better efficiency

Features 技术优势

- The system features a quick-connect modular design, allowing combinations of 1-8 peristaltic pumps for various chemical dosing needs
- Advanced PUM material rollers self-lubricate the pump tube, reducing resistance and boosting efficiency
- Includes a quick-connect water collection device with an optional electromagnetic valve and wall-mount bracket for improved transfer
- Closed waterproof ABS design, ideal for laundromats' high-temperature, humid environments
- 4.3-inch color LCD touchscreen for easy formula adjustments and settings
- Optional SPLANEY IoT system for real-time washing monitoring and analysis
- \* For details on IoT and color display technologies, refer to page 23

Optional pump head 可选泵头



RDB-044 medium flow peristaltic pump



RDB-15 high-flow peristaltic pump

Certification 权威认证



## IoT One-to-One Peristaltic Pump Dispenser

>>> YDY-WQL-8B Series

Overview 概述



The YDY-WQL-8B series is a low-cost liquid dispensing system designed for compact spaces. It uses expandable modular technology and offers versions with 6 or 8 pumps

Unlike traditional dispensers, it incorporates patented high-efficiency peristaltic pump technology with metal-free components, reducing failures and enhancing performance

The series features a sealed ABS plastic design and a quick-detach system for easy maintenance, resulting in a lightweight and cost-effective solution

Features 技术优势

- The system adopts a quick-connect modular design, allowing for combinations of 1-8 peristaltic pumps with different flow rates to meet various chemical dosing needs
- The system adopts a quick-connect modular design, allowing for combinations of 1-8 peristaltic pumps with different flow rates to meet various chemical dosing needs
- Equipped with a patented peristaltic pump roller technology, offering a self-lubricating pump tube for improved durability and efficiency
- The quick-connect design ensures easy connection between staff and chemicals
- Features automatic water and chemical mixing systems that require no additional manual intervention
- Includes a 4.3-inch color LCD touchscreen for easy parameter setting and formula modification
- Supports the optional simplified SPLANEY IoT system for real-time washing monitoring and operational analysis
- For details on IoT and color display technologies, refer to page 23

Certification 权威认证



Parameters 产品参数

Control Size: 45cm\*24.5cm\*18cm  
Flow: 30~120 L/h  
Power: 100w  
Note: Flow depends on water pressure

Certification 产品认证

- Holds multiple national patents and has passed EU CE and ISO certifications

Application 适用范围

- Designed for low-volume needs, suitable for small to medium-sized self-service laundromat applications
- Offers 6 and 8 pump versions, all equipped with quick-connect ports for rapid assembly

## IoT Maintenance-Free Single Dispenser

>>> YDY-DB-8B Series

Overview

概述



The YDY-DB-8B series embodies Splane's maintenance-free dispenser concept, using a modular diaphragm pump system for precise dosing (less than 1% accuracy) of small amounts (30 mL or less), reducing water, electricity, and steam costs

Compared to traditional systems, it lowers maintenance costs and offers a cost-effective, efficient solution, improving laundry operation efficiency



Parameters

产品参数

Small diaphragm flow rate: 90 liters/hour  
 Supported chemical types: up to 8 types

Application

适用范围

- Designed for single-unit, maintenance-free washing machines
- Larger flow, suitable for medium to large machines

Certification

权威认证



Features

技术优势

- Designed for peristaltic pumps with a diaphragm, no need for replacement pipes, reducing manual labor
- Uses a 24V DC motor for stable operation, compatible with various work environments
- Features a quick-connect sensor port, preventing pump cavitation and air leaks
- Includes a specialized anti-corrosion motor, and automatic pressure and position monitoring
- Equipped with a 100-digit digital report for overall operational analysis
- Optional 7-inch color LCD touch screen

\* For further details on IoT and display technologies, see page 23

### MWH-14 Maintenance-Free Pump Advantages



- Pump replacement:** Designed for low-foam detergent dosing
- High precision:** Precision  $\leq 1\%$ , certified by Shenzhen Metrology Institute
- Long-lasting:** High-quality materials, pump head lasts 5 years
- Efficient sealing:** Excellent sealing, auto-dosing without water or air assist
- Compact:** Space-saving design for laundry rooms

## IoT Laundry Factory Integrated Data Monitoring System

>>> SPL-3000 EcoWash Series

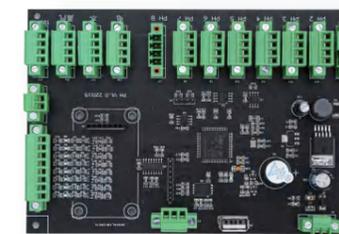
Overview

概述



The SPL-3000 EcoWash series is an IoT-based system designed to optimize laundry operations. It monitors water parameters (pH, temperature, TDS) and steam usage, ensuring efficient and stable performance for continuous improvement

\* IoT functionality requires additional modules



Certification

权威认证



Parameters

产品参数

Power: AC220V/50Hz  
 Operating temperature: 0°C - 85°C  
 TDS sensor accuracy:  $\pm 2\%$   
 PH sensor accuracy:  $\pm 0.1$  PH  
 Display type: 7-15 inch LCD color display  
 TDS range: 0-5000 PPM  
 PH range: 0.00-14.00 PH  
 Installation: Wall-mounted or cable connections

Features

技术优势

### PH Trend Analysis System

- **Dual Function Sensors:** Up to 8 high-precision PH/temperature sensors for efficient washing
- **Durability:** Ceramic structure ensures accurate readings and long lifespan
- **Dual Monitoring:** Supports wireless sensor systems, automatic analysis, and reporting
- **High Efficiency:** Connects to WLWPH-45 series for PH detection

### TDS Water Quality Monitoring System

- **High Precision TDS:** Accurate PPM measurement for real-time water quality
- **Temperature Calibration:** Ensures precision across water conditions

Overview 概述

### Integrated Energy Metering System

- **Electricity Consumption Monitoring:** Monitors and analyzes daily electricity use, collecting data on voltage/power and calculating costs, helping optimize electricity consumption
- **Water Consumption Monitoring:** Tracks real-time water and wastewater use, helping users optimize water usage based on daily consumption
- **High-Temperature Steam Monitoring:** Monitors steam temperature, pressure, and usage time, helping users control steam usage and reduce operational costs



### IoT-Driven Comprehensive Data Platform

- Utilizes the SPLANEY IoT system for fast data collection, enabling users to view operational details via mobile or computer for enhanced precision.
- Allows users to customize real-time data and monitor water quality parameters like pH/TDS for efficient management.
- Features an LCD touchscreen for easy operation, enabling factory-level data monitoring and control



### Why choose Laundry Integrated Data Monitoring System?

>>> WHY CHOOSE LAUNDRY INTEGRATED DATA MONITORING SYSTEM?

Features 技术优势

Traditional management is based on various spreadsheets, such as Excel. Operators use manually updated reports on mobile devices, which requires constant attention. The system can automatically detect water usage and TDS (total dissolved solids), providing real-time adjustments for washing cycles. This system helps to optimize both operational performance and automation, integrating intelligent management.

SPL-3000 EcoWash Series  
Integrated Data Monitoring System, Pure UI Interface



Data Summary Interface

- Displays current data in real-time, easy to read
- Each module can be renamed.
- Displays normal/abnormal status clearly.
- Compares daily industry costs/ratios with actual data.

PH/TDS Parameter Monitoring Interface

- Compare hard/soft water temperature with TDS
- Display pH/temperature measurements with historical records
- Display key parameters for in-depth analysis



Water/Electricity/Steam Energy Monitoring Interface

- High/low stage distribution electricity statistics and comparison
- Water consumption pricing settings and statistics
- Steam pressure and temperature displayed directly

## Industrial Laundry Odor Eliminator

>>> CYFSQ-15 Series

### Overview

概述



The CYFSQ-15 series is an advanced laundry system designed for cold water washing. It converts oxygen (O<sub>2</sub>) to ozone (O<sub>3</sub>) through high-voltage discharge and injects it into the washing machine, leveraging the strong oxidizing power of ozone (O<sub>3</sub>) to quickly remove

Moreover, the CYFSQ-15 series also has a modular design for quick, seamless integration with dispensers. Cloud sync enables remote management and analysis of up to 12 washers for precise usage control.

### Features

技术优势

- Received multiple quality certifications including EU CE and ISO
- Real-time monitoring of oxygen flow, pressure, and ozone output
- Glass electrode corona discharge reaction chamber, stable and reliable
- Direct injection of ozone water into washing machines without the need for a tank, saving space
- Oxygen generator delivers 92% pure oxygen, enhanced by turbocharging
- Modular port tech allows quick SPLANEY IoT (Optional) system connection for easier dosage and settings adjustment



### The advantages of ozone washing

臭氧洗涤的优势

#### • Energy-saving:

Ozone washing achieves complete disinfection with a germ killing rate of 99.999%, over 600 times that of traditional chlorine disinfection, saving up to 85% in gas (hot water) and 30% in electricity

#### • Chemical saving:

Owing to ozone's strong oxidation, there's no need to use alkali to increase pH for bleaching, saving an overall 40% on chemical costs

#### • Extended Life:

Likewise, reducing chemical use effectively slows down fabric fiber aging, decreases rewashing frequency, and enhances efficiency

#### • Recyclability:

Cuts wastewater pollution by 50%, allowing reuse with little

#### • Temperature adaptability:

Ozone disinfection stays stable across pH 5.6-9.8 and temperatures 0-37°C

### Parameters

产品参数

- Oxygen flow range: 0-100%
- Oxygen pressure range: 0-150 PSI
- Ozone output range: 0-12 g/hour
- Operating voltage: AC 220V/50Hz
- Power: 600W
- Ozone concentration: 92% pure oxygen
- Adaptability: Up to 12 washing machine
- Operating temperature: 0-65°C

### Certification

权威认证



## Remote IoT pH Value Detection System

>>> WLWPH-45 Series

### Overview

概述



The WLWPH-45 series is an advanced IoT pH and temperature monitoring system. Its sensors consist of glass and reference electrodes that provide instant feedback. The glass electrode varies its potential with the change in hydrogen ions when immersed in solutions of different pH values, while the reference electrode provides a stable reference for these changes, ensuring accurate and stable pH measurements.

Unlike traditional systems, the WLWPH-45 can interface remotely with the SPLANEY IoT via the tunnel washer dispenser's input port, enabling real-time monitoring, data trend analysis, alarm threshold configuration, and dosage optimization to enhance washing efficacy.



### Parameters

产品参数

- pH Range: 0.00 - 14.00 pH
- pH Accuracy: ±0.01 pH
- Temperature Range: 0°C - 105°C
- Temperature Accuracy: ±0.1°C
- Auto Temp Compensation: 0°C - 100°C
- Electrode Type: Glass and Reference Electrodes
- Operating Conditions: 0°C - 105°C, RH < 98%

### Features

技术优势

- IP65 waterproof rating, suitable for hot and humid laundry environments
- Available in 2 or 8 sensor versions for tunnel and conventional washer
- Optional color touch screen for clear data monitoring
- System alarm thresholds can be set for automatic alerts when
- Able to connect the input port of the tunnel washer dispenser, easily accessing real-time data through a dynamic display interface

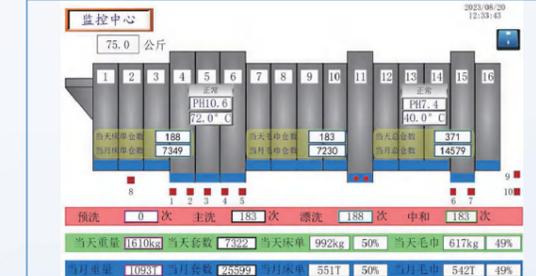
### Remote IoT pH Measurement System Monitoring Interface

设备ID	PH值	温度	报警
01-01-01	8.9	16°C	正常
01-02-01	8.9	16°C	正常
01-03-01	8.9	16°C	正常
01-04-01	8.9	16°C	正常
01-05-01	8.9	16°C	正常
01-06-01	8.9	16°C	正常
01-07-01	8.9	16°C	正常
01-08-01	8.9	16°C	正常

### Detailed Information Interface

设备ID	PH值	温度	报警
18:54:25	8.9	16°C	正常
18:52:25	8.9	16°C	正常
18:50:25	8.9	16°C	正常
18:48:25	8.9	16°C	正常
18:46:25	8.9	16°C	正常
18:44:25	8.9	16°C	正常

### Dispenser Monitoring interface



### Certification

权威认证



## Smart Wireless Low Liquid Level Alarm System

>>> WLA-800 Series

### Overview

概述



The WLA-800 series is an advanced wireless chemical level monitoring device that alerts staff with a buzzer and flashing lights when chemicals are running low, ensuring uninterrupted work and improved efficiency.



### Application

适用范围

- Supports 10-200L capacity buckets
- Fits 8 chemical types monitoring (default 7)

### Features

产品特点

- Offers wireless and alert online indication modes
- Audible and visual early-warning system for timely low-level and battery alerts
- Multi-band wireless compatibility, supports concurrent monitoring of 8 rods
- Made of acid-alkali resistant PP material, ensuring excellent corrosion resistance

## LCD Display Formula Selector Module

>>> PFXZQ-120 Series

### Overview

概述



The formula selector is a device that lets users pick wash programs. Our system differs from traditional ones by enabling automatic formula matching with the washer's programming, allowing users to choose if they want to add the selector based on their preference.

### Features

产品特点

- Users may choose whether to use the formula selector
- Ability to export formula data and name formulas
- Offers a multi-functional color touchscreen version
- Washing machine number can be configured

### Certification

权威认证

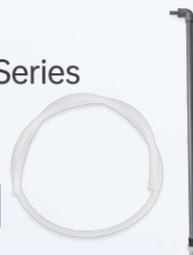


## Suction Rod / Transfer Pipe

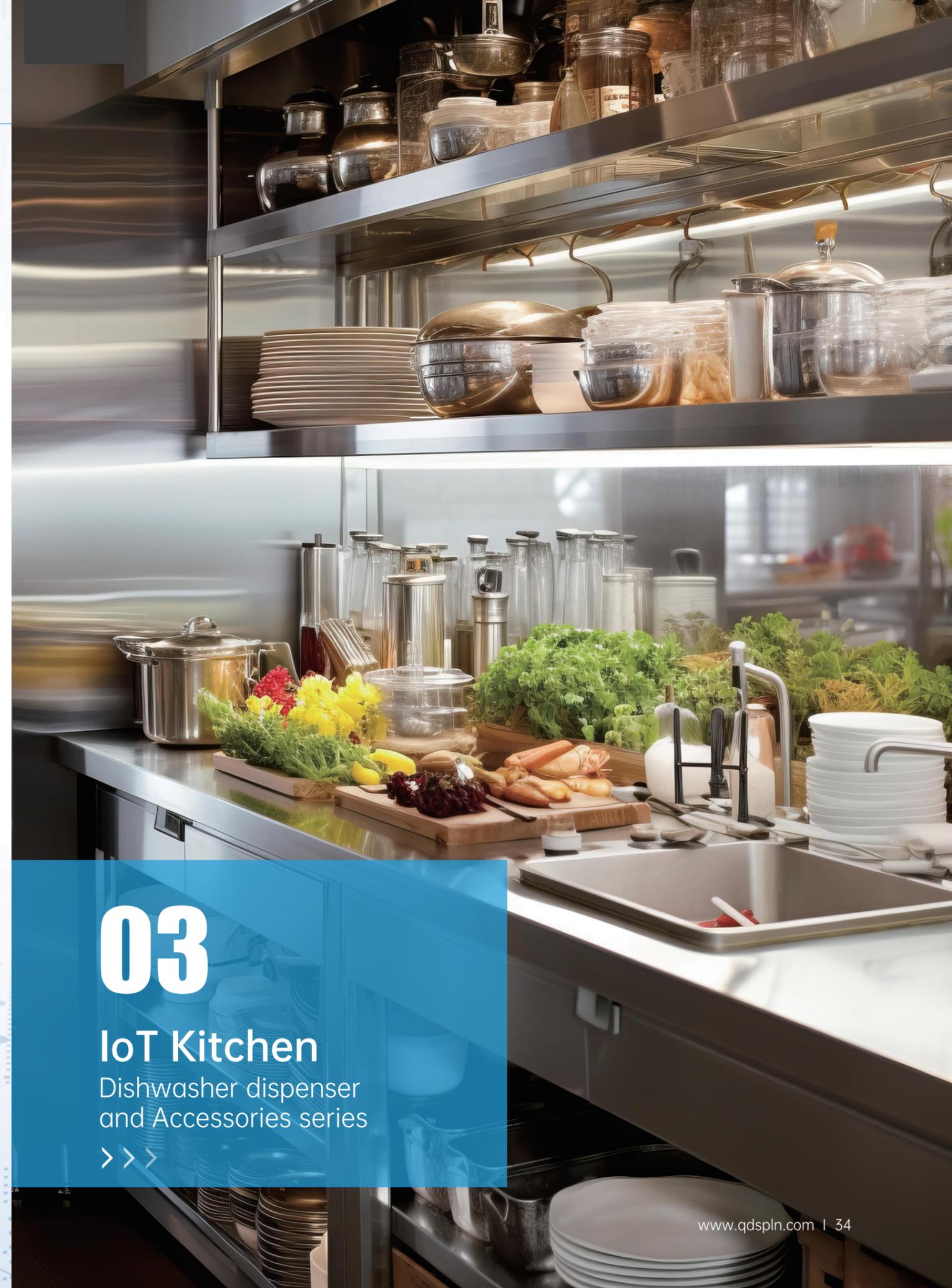
>>> Other Accessories Series

### Features

产品特点



- Suction rods come with check valves and filters to prevent air leaks and impurity intake
- Constructed from corrosion-resistant PP and soft PVC materials for lasting stability
- Excellent high-temperature resistance, ensuring safe conveyance even with accidental steam pipe contact



# 03

## IoT Kitchen

Dishwasher dispenser  
and Accessories series

>>>

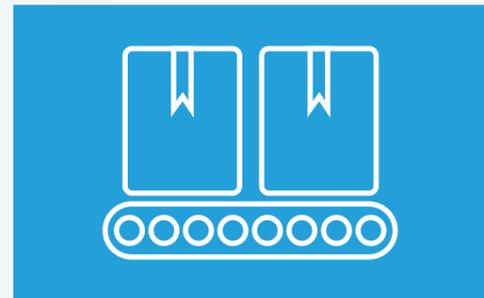
## Kitchen Application

>>> Dishwashing Machine Dispensing System

### Door Dishwasher

门式洗碗机

Hood dishwashers are a common choice for commercial kitchens, suitable for medium to large restaurants. They are characterized by a front-opening large door that allows for quick loading of utensils. Their rapid washing cycles ensure that restaurants can continuously supply clean utensils even during peak times.



### CONVEYOR BELT DISHWASHER

输送带式洗碗机

Conveyor belt dishwashers are designed for busy dining facilities. They feature an automated conveyor system that simplifies the process—users just place the utensils, and the machine completes the cleaning. Their effective cleaning and sterilization ensure utensil hygiene.

### Dual Zone Dishwasher

双区域洗碗机

Dual-zone dishwashers are efficient units designed with two distinct washing areas, one for washing and the other for rinsing. This parallel operation allows for handling two batches of utensils simultaneously, significantly boosting efficiency and ensuring no delays in the workflow.



### Automatic Cup Washing Machine

自动洗杯机

As the name implies, automatic glass washers are specifically designed for glasses. These machines are particularly suited for bars, hotels, or any venues that need to rapidly cycle through large volumes of glasses. They are typically more compact than other types of dishwashers and can flawlessly clean glass items in just minutes.

## IoT Dishwasher Intelligent Dispenser

>>> XWJ-1 Series

### Overview

概述



The XWJ-1 series meets the dishwashing needs of medium to large hotels with an advanced dispenser and high-definition display. It uses a digital chip with an adaptive conductivity analysis system to smartly maintain concentration stability.

Additionally, it lets also users set parameters like temperature, dosage, and barrel volume for alerts, facilitating digital management.

### Parameters

产品参数

Power: 220V/50Hz

Power Consumption: 18W

Washing Flow:

Flow: 0-190 L/min

Speed: 0-99 rpm

Drying Control:

Flow rate: 0-100L/min

Speed: 0-99rpm

### Features

技术优势

- Received multiple quality certifications including EU CE and ISO.
- Controlled by a digital chip, the high-definition digital display interface allows real-time monitoring of dynamic data such as concentration, temperature, wash frame number, and operating time.
- An adaptive conductivity analysis system intelligently maintains solution concentration stability.
- Offers multiple modes including time mode, probe mode 1, and probe mode 2, ensuring flexibility across various conditions.
- Comes standard with a high-precision adaptive conductivity probe (250uS-5mS).
- Automatically adjusts pump speed according to preset concentration error range (conductivity).
- Sets over-limit concentration threshold, auto-alerting and stopping operation if exceeded.
- Utilizing the digital chip's high-performance computing, the XWJ-1 series also real-time tracks daily and monthly barrel usage, remaining barrel volume, and other crucial data, auto-alerting when the barrel is low.
- Additional pump measure function auto calculates flow from measured volume for precise equipment extraction.
- PUM roller tech lubricates tubing and guide wheel design applies even force, cutting friction and ensuring stable output.
- Supports SPLANEY IoT (Optional) for remote control and analysis of key data (usage, temperature, time, cost, etc.)
- Various peristaltic pump connectors, including standards like GB, BS, and ANSI, to meet regional

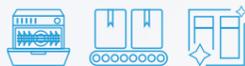


## IoT Color Screen Dishwasher Dispenser

>>> XWJ-2 Series

### Overview

概述



The XWJ-2 series IoT color screen dishwasher dispenser is designed for commercial dishwashers and glassware washing, suitable for environments with heavy usage of over 50 hours per week. It uses advanced LCD touch screen technology for intuitive control, real-time monitoring, and efficient data analysis, offering smart and effective operation for commercial washing.

The XWJ-2 series includes a self-monitoring and maintenance system. It features alerts, operational records, and smart flow controls via the SPLANEY IoT app, allowing managers to track cleaning history and improve operational efficiency.

Additionally, the XWJ-2 series can be equipped with the GMB-10 high-resistance magnetic membrane pump, providing precise flow control to ensure long-term stable operation and enhanced cleaning reliability.



### Parameters

产品参数

Power: 220V/50Hz Power Consumption: 25W Protection Rating: IP65

Power: 220V/50Hz Power Consumption: 25W Protection Rating: IP65

### RDB-018 Peristaltic Pump

Flow Rate: 0 ~ 180ml

Working Pressure: Approx. 28 PSI

### GMB-10 Electromagnetic Diaphragm Pump

Flow Rate: 0 ~ 500ml

Working Pressure: Approx. 15 PSI

### Features

技术优势

#### Visible High-Resolution Color Touchscreen Technology

- 4.3-inch LCD touchscreen with the new WareUI 3.0 control system, enabling dynamic monitoring, manual control, and analysis
- User-friendly interface with clear layout and ample safe space

### Certification

权威认证



## Intelligent Washing Monitoring and Alarm

- Displays real-time washing data like temperature and chemical usage, with automatic alarm if preset limits are exceeded
- Standard flow monitoring adjusts based on calculated data, maintaining accuracy within 1%
- Manual settings for plug/unplug, with alarms for incorrect connections

## Multiple Washing Mode Options

- Offers various washing modes, with an adaptive electronic sensor (250  $\mu$ s $\pm$ 5ms) for stable washing speed control
- The system also features a flow mode with manual adjustment for chemical dosage to enhance washing efficiency

## Washing Data Summary

- The system tracks daily usage data, including quantity, price, and customer info, which can be accessed via the IoT app for remote monitoring
- \*The IoT app system supports the washing module
- The system also logs important operations and allows for remote control of devices, ensuring safe and efficient operation

## Maintenance and Manual Adjustment

- Set equipment maintenance intervals, which will be automatically updated
- Manual adjustment interface to check real-time status and quickly identify and resolve faults



### RDB-018 Peristaltic Pump Advantages

- **Self-lubricating roller:** Advanced PUM material roller, reduces friction and ensures stable output
- **Uniform pressure:** Adds guide wheel for even distribution, ensuring stable flow
- **Quick connection:** Modular quick-connect design for easy tube replacement



### GMB-050 Membrane Pump Advantages

- **Low maintenance:** No need to replace tubes, solving the high maintenance rate of traditional peristaltic systems
- **Corrosion-resistant:** Made with durable materials, ensuring long lifespan
- **Compact design:** Easy to install in limited spaces

## Visual Color Touchscreen Control System

>>> WareUI 3.0 Series



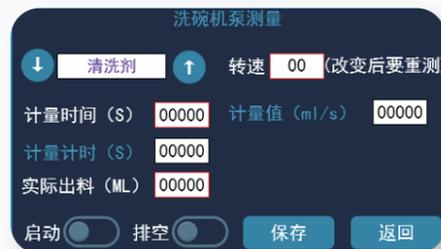
### Overview

After years of research, SPLANEY launched the LCD-driven WareUI 3.0 control system for intelligent washing machines. It includes 20+ interfaces with state monitoring, manual debugging, data analysis, settings, and maintenance alerts. Various washing modes offer an intelligent solution for industrial washing.



Control Main Interface

- Displays current usage, quantity, cycles, and temperature
- Designed for real-time display of settings and data
- Signal input displayed with customizable chemical names
- Shows operation limits and warning alerts



Flow Measurement Interface

- Adjustable motor speed, stores various flow data
- Configuration process with high measurement accuracy
- Automatically calculates flow data for input and output amounts



Equipment Maintenance Interface

- Supports maintenance cycle calculation for over ten types of configurations
- Allows tracking of remaining usage time and maintenance reminders



Data Center Interface

- Provides transaction summary table, automatically calculates data for replenishment
- Records daily usage, prices, and quantities to assist data analysis
- Connects with the IoT app for detailed data retrieval

## Hema Cloud Wash

>>> SPLANEY IoT Equipment Monitoring App

### Overview

Hema Cloud Wash is SPLANEY's smart IoT app designed for washing machines and dishwashing systems. It supports real-time equipment status monitoring, remote control via app, and enables notifications for equipment maintenance or faults. The system provides timely alerts and integrates with smart devices for enhanced operation and monitoring.

### Features

- The new UI design allows easy monitoring of device status and management via the control panel
- Real-time alerts for abnormal equipment conditions and preset responses
- Remote device lock and edit function to prevent malfunction
- All equipment operation records can be viewed on a disk, aiding in water, electricity, and chemical analysis
- All equipment operation records can be viewed on a disk, aiding in water, electricity, and chemical analysis
- Supports multiple languages and energy-efficient mobile and PC devices



## Drainage Pipe Metering Dispenser

>>> XSD-4 Series

### Overview 概述

Grease accumulation in drain pipes is common in commercial kitchens, leading to operational inefficiency. SPLANEY's XSD-4 series drainpipe flow meters provide a maintenance-free solution. The compact device can be discreetly installed under sinks to periodically inject grease-dissolving solutions, preventing clogging and odors while minimizing operation time and costs



The XSD-1 series offers digital display, rotary control, time and interval control, and external sensor connections. It supports various power sources and is ideal for commercial kitchens and food service industries

### Parameters 产品参数

Power: 200V 50Hz      Power Consumption: 10W ~ 15W  
Flow: Determined by the nozzle size      Power Supply: Electric power / battery

### Certification 权威认证



### Features 技术优势

#### Intelligent Power Management

- Supports light and dark mode to extend device life. The operating panel can be easily detached for maintenance, enhancing equipment durability

#### Advanced Control Function

- Supports multiple controls and operational modes for enhanced flexibility, optimizing performance by 30% under the right conditions

#### Accurate Measurement

- Supports various measurement types and adapts to different operational settings, ensuring precise calculations

#### Easy Installation and Maintenance

- Designed for easy installation and maintenance, reducing setup time and simplifying upkeep

#### User-Friendly Interface

- Utilizes a 4X20 color display for easy, quick access and status updates, offering fast feedback on operations

#### Multiple Power Source Options

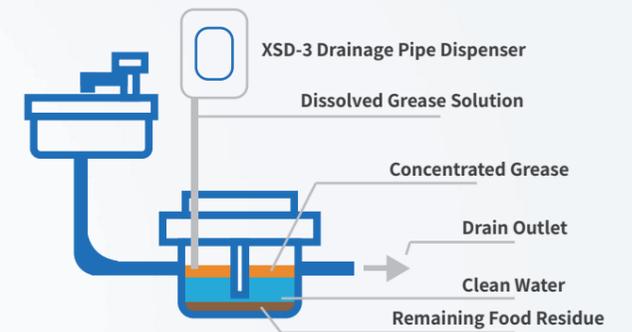
- Supports multiple power sources for versatile use in different environments, meeting various needs

## Drain cleaning principle

>>> 排水管道清洁原理

### Overview 概述

In modern industry, automatic flow mixing has become a common trend. Its advantages include faster speed, improved safety, and consistent strength. The automatic cleaning technology used in the laundry industry, especially for drainage pipe cleaning, offers an efficient oil removal solution. The automatic cleaning of drainage pipes effectively removes waste products like grease, oils, and sludge, protecting the drainage system's operation



#### Maintaining Drainage Flow

- The automatic system prevents oil and grease buildup, reducing odors and blockages, ensuring smooth drainage and minimizing maintenance costs

#### Improve work efficiency

- The system operates on a set schedule, supporting both high and low flow cycles, improving work efficiency

#### Improving Employee Health

- The use of enzymes reduces grease buildup, improving hygiene and safety in the workplace

#### Timed discharge & Strong adaptability

The system adapts to various wastewater types and is easy to maintain, providing a safe and flexible solution for different environments

## Dual-Function Integrated Probe

>>> WD-ND-20 series

### Overview

概述

The WD-ND-20 series, tailored for dishwasher dispensers, intelligently detects detergent concentration and temperature in the wash solution. Its integrated build streamlines installation, saves space, and eases use.



### Features

技术优势

- Dual-function probe design reduces space usage
- High-temp and corrosion-resistant casing for longevity
- Auto-alerts and halts operation if thresholds are exceeded
- Monitors and logs solution concentration and temperature data

## Corrosion-Resistant Check Valve

>>> DXF-30 series

### Overview

概述

The DXF-30 series, aimed at one-way detergent and drying agent flow, surpasses standard check valves with its integrated filter and ceramic counterweight feature, fitting various settings.



### Features

技术优势

- Built-in filter mesh effectively intercepts impurities, extending lifespan
- Ceramic counterweight ensures stability, fitting various environments
- Shares WD-ND-20 series' corrosion-resistant design, ensuring stability



# 04

## Manual/IoT Guest Rooms Proportional Dilution Series

>>>

## Guest Room Applications

>>> Manual/IoT Dilution Systems



### Medical Institution

医疗机构

High sanitary demands in healthcare require diluters for precise cleaning solutions across medical equipment and locations. From surgery rooms to patient wards and from tools to communal areas, they secure disinfectant and cleaner efficacy, providing a safe and hygienic healing environment for patients.

### Catering Industry

餐饮业

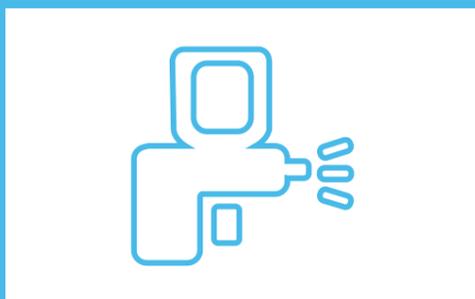
In the catering field, keeping tableware and kitchen equipment clean is critical. Overly concentrated cleaners may leave residues on dishes, while too diluted ones may lead to incomplete cleaning. By using diluters, the correct proportion of cleaner for each cleaning task can be precisely prepared, ensuring food safety and customer satisfaction.



### Auto Detailing Shops

汽车美容店

Beyond repairs, vehicle maintenance demands thorough cleaning of exteriors and interiors. Each cleaning task necessitates particular detergent concentrations. Using diluters, detailers can craft precise cleaning solution ratios, ensuring comprehensive cleaning and a refreshed appearance for every vehicle.



### Hotel Industry

酒店业

Hotel cleaning standards impact guest satisfaction and loyalty. Different areas demand specific cleaning solution concentrations. Using diluters, hotels can accurately prepare cleaners for every space, ensuring a homely feel for guests from the bathroom to the conference room.



## Single-Path Guestroom Dosing Dispenser

>>> XSQ-1 Series

### Overview

概述



The XSQ-1 series is a space-saving dilution unit employing advanced water-driven proportioning technology to effectively blend cleaners with water, perfect for precise cleaning agent concentration in hotel guest rooms and dishwashing spaces.

Not only is the XSQ-1 series compact in structure and size, but customers can also customize their corporate brand logo on the panel, ensuring optimal promotional impact across industries.



### Maintenance-Free

无需维护

### Comprehensive Technical Support

- Mechanical self-locking start valve for high stability
- Self-driven venturi, withstands up to 10Bar static pressure
- PP corrosion-resistant housing, robust and durable

### Easy installation

易于安装

### Quick Connector, No Tool Disassembly

- Serial installation of multiple dilution via plug-and-play connectors
- Mounting accessories for wall or nail installation
- Compact size saves space

### Parameters

产品参数

Flow rate: 5~35L/min

Dilution ratio: 4.25:1-458:1

Pressure range: 1- 10 Bar

Concentration ratio: 18 types

### Strong dilution Capability

强大的稀释能力

### Various Ratios For Precise Dilution

- Up to 18 precise dilution ratios
- Customizable backflow protection and dynamic filtering technology, adaptable to various environments
- End deflector for even solution concentration

### Patents and Customization

专利与定制化

### Tailored Professional Solutions

- Patent-backed advanced modular design
- Passed various EU CE, ISO quality certifications
- Customizable panels to enhance brand image
- Option for universal or quick-lock interfaces

### Certification

权威认证



## Key Features

>>> XSQ-1 Series



### Automatic Machine Restart

- Designed with a self-locking mechanism
- High stability and resistance to high pressure

### Plug-and-Play Connector

- For modular combination with different dispensers

### Isolation Pressure Protection

- Fast high-pressure relief, prevents flooding

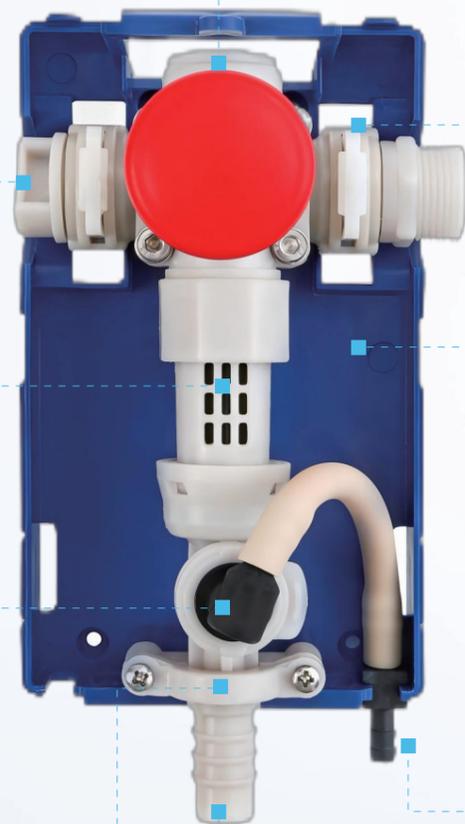
### Self-Driven Pressure Pipe

- Customizable flow protection and dynamic overpressure reduction
- Suitable for various chemical products



### End Flow Protector

- Standard end flow protector structure
- Ensures uniform solution mixing



### Self-locking quick connector

### ABS corrosion-resistant outer shell



### Selector installation location

For different solution concentrations

- 18 concentration ratios available
- Wide dilution range

### Selectable ports

- Standard or quick-connect ports available
- Prevents chemical hazards

## Dual-channel guest room descaler

>>> XSQ-2 series

### Overview

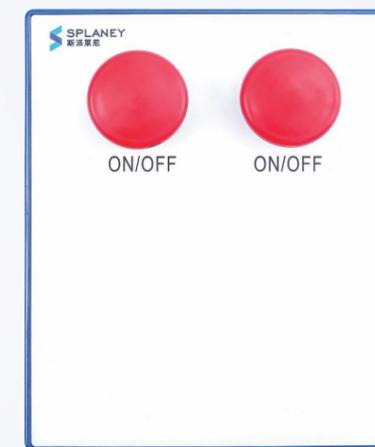
概述



The XSQ-2 series dual-channel guest room descaler is made of corrosion-resistant stainless steel, suitable for descaling two types of chemicals. Its design provides space for easy installation and modular flexibility

Like the XSQ-1 series, the XSQ-2 series also supports customized branding, allowing clients to display their logo from various angles without additional cost

Additionally, the XSQ-2 series offers a choice of durable, lightweight stainless steel or corrosion-resistant PP material, suitable for use in various environments



### Parameters

产品参数

Supported chemicals: 2 types

Flow range: 4 oz (bottle) / 16 oz (bucket)

Product size: 210mm \* 100mm \* 210mm

Concentration ratio: 18 types

### Certification

权威认证



### Features

技术优势

- The equipment can mix two chemicals or detergents with separate independent pipelines
- Uses the modular design of the XSQ-1 series, featuring fast connection ports
- Offers 18 precise dilution ratios to meet industry-specific requirements
- The equipment is made of durable PP material and can easily adapt to various chemicals
- The design supports pressures up to 5Bar, ensuring operation in high-pressure environments
- The XSQ-2 series integrates advanced cleaning and mixing technologies, suitable for various chemicals
- The outer shell is made of stainless steel for durability, with an optional PP corrosion-resistant plastic exterior
- The surface is treated with anti-corrosion processes, and customizable logos can be added
- Inlet connections available: face, side, and threaded, for different applications

## Triple-channel washing room proportioner

>>> XSQ-3 Series

Overview 概述



The XSQ-3 series combines a cleaning water channel and two chemical dispensing channels, suitable for various chemicals. It features a combined water inlet design with advanced dynamic mixing for precise cleaning control

The system is designed to ensure durability and longevity, preventing contamination while maintaining stability and improving overall performance

Features 技术优势

- The equipment integrates a cleaning channel and a dual chemical dispensing channel, suitable for various chemicals
- The outlet features an integrated flushing design for efficient water flow control
- Built with a metal exterior and PP components, ensuring effective fluid control and chemical compatibility
- Designed with XSQ-1 modular structure, it features fast plug-in connections
- Provides 18 precise mixing ratios, meeting diverse industry needs
- The system is designed to withstand high-pressure environments, up to 5 Barity in complex environments
- Can support multiple chemicals with the help of advanced mixing and dynamic flow control technologies
- Uses corrosion-resistant materials and efficient connections for safety and longevity.
- The front panel is processed with light treatment for enhanced branding and aesthetics.



Parameters 产品参数

Chemical dilution types: 2 types + water

Supports water channel: Yes

Supports water gun: Yes

Number of ratio heads: 18

Flow range: 16L

Certification 权威认证



## Four-channel multi-functional dispenser

>>> XSQ-4系列

Overview 概述



To meet the market's demand for disinfecting, washing, and processing various chemicals, SPLANEY introduces a new generation of multi-channel precision chemical dispensers. It builds upon the XSQ-1 series' modular design, offering more options and flexible solutions for customers

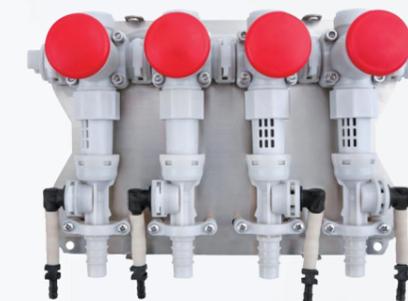
Unlike the traditional four-channel dispensers, the XSQ-4 series has been fully optimized with a simpler structure and reduced volume. Each chemical is equipped with its own dedicated dispenser, minimizing risks and ensuring the stability and safety of the dispensing process

Certification 权威认证



Features 技术优势

- The system uses a four-channel design, supporting the simultaneous dispensing of different types of acids or chemicals
- Each chemical is equipped with a dedicated dispenser to prevent cross-contamination between chemicals
- The equipment is made from high-quality corrosion-resistant PP material, making it compatible with various chemicals
- The design allows for customizable features to meet different safety and environmental requirements
- The system adopts the XSQ-1 modular structure, with all connections using fast plug interfaces
- It offers 18 precise dispensing ratios, meeting the needs of various industries
- The system can operate under a maximum pressure of 5Bar, even in high-pressure environments, ensuring stable operation
- It integrates advanced technologies for accurate and stable dispensing, providing safe chemical usage
- Additionally, the system is adaptable to different types of chemicals with advanced functions for efficient operation



产品参数 Product Parameters

Chemical types: 4

Number of ratios: 18

Flow range: 4L (bottle) / 16L (bucket)

Size (LWH): 36cm \* 10cm \* 20cm



### WQL-22 Series Corrosion-resistant Dosing Pump

**Anti-backflow design:** Patent-designed pump prevents backflow caused by water pressure fluctuations.  
**Non-pulsating corrosion resistance:** Designed for acidic chemicals, the pump has a metal-free flow path, ensuring durability.



### SQ-20 Series Spraying/Foaming Multifunctional Nozzle

**Multiple modes:** Built-in adjustable spraying nozzle for seamless switching between foam and spray modes, meeting various needs  
**High-flow multi-directional connection:** Enlarged flow passage, suitable for high-pressure water sources, efficient and convenient for connections.



## Five-channel (with cleaning) multi-functional dispensing system

>>> XSQ-5 series

Overview

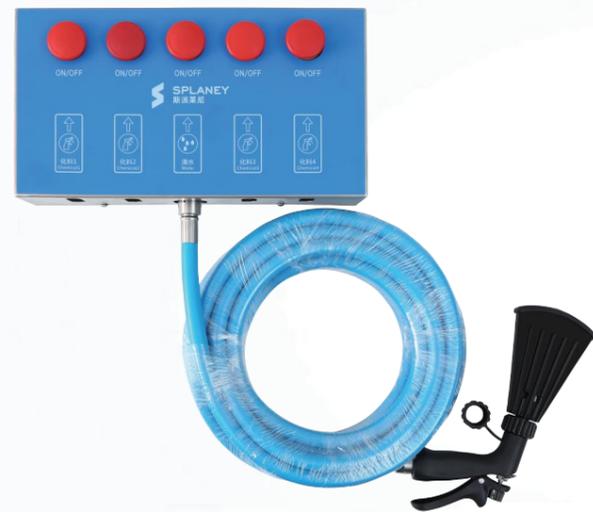
概述



The XSQ-5 series is a multi-functional dispenser system with modular design. It supports fast connection for easy configuration across various chemical cleaning applications

### How to disinfect using the multi-functional dispenser water gun?

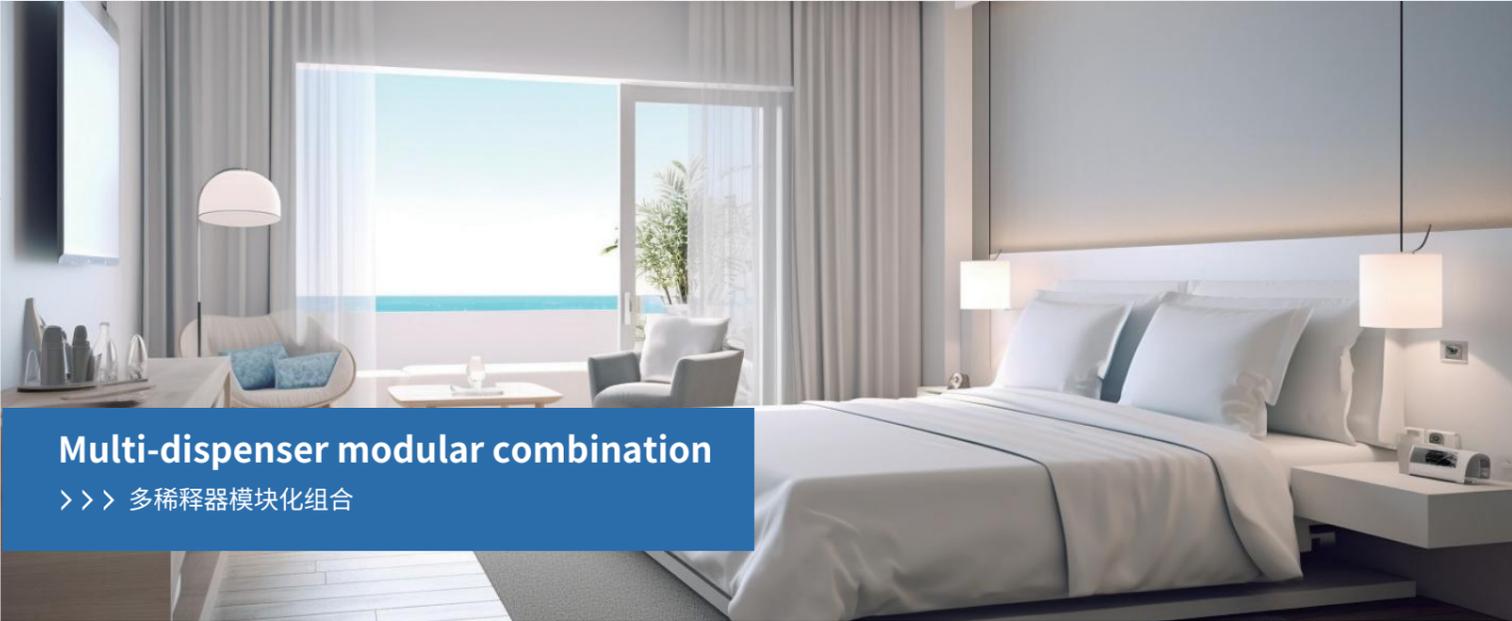
First, choose the high-pressure spray mode for quick cleaning and effective removal of contaminants, especially in hidden areas. Next, switch to foam mode to apply detergent to surfaces. Adjust spray pressure and nozzle as necessary, ensuring optimal coverage for effective disinfection



Features

技术优势

- Users can adjust 5 types of chemicals or 4 chemicals + water cleaning system
- Each chemical has a dedicated dilution line to prevent cross-contamination
- The front panel can be customized with a 90-degree angle for branding
- The device uses corrosion-resistant PP material, suitable for acid and alkaline solutions
- Uses XSQ-1 modular design with quick-connect interfaces
- Offers up to 18 precise dilution ratios for various business needs
- Independent design with a max pressure of 5 Bar, stable operation even in high-pressure environments
- XSQ-4 series is equipped with advanced flow and viscosity tech, compatible with various chemicals
- The front panel has a brushed finish, smooth surface, and can be customized for branding



## Multi-dispenser modular combination

>>> 多稀释器模块化组合

Overview

概述



To meet the growing demands of clients, we designed a dispenser system that supports modular configurations. It accommodates various chemical types and is equipped with durable connections for easy setup and disassembly, requiring no tools. This greatly enhances the system's flexibility and ease of use

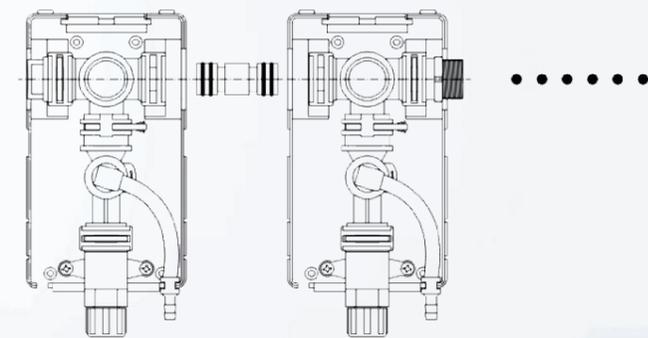
Technical feature

连接器技术特点

- Uses self-locking quick connectors to prevent dripping
- Dual-layer corrosion-resistant design, lightweight, suitable for acidic chemicals
- No tools required for easy and flexible assembly

Certification

权威认证



Dispenser connection diagram



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Two-channel combination

Two-channel combination

Two-channel combination

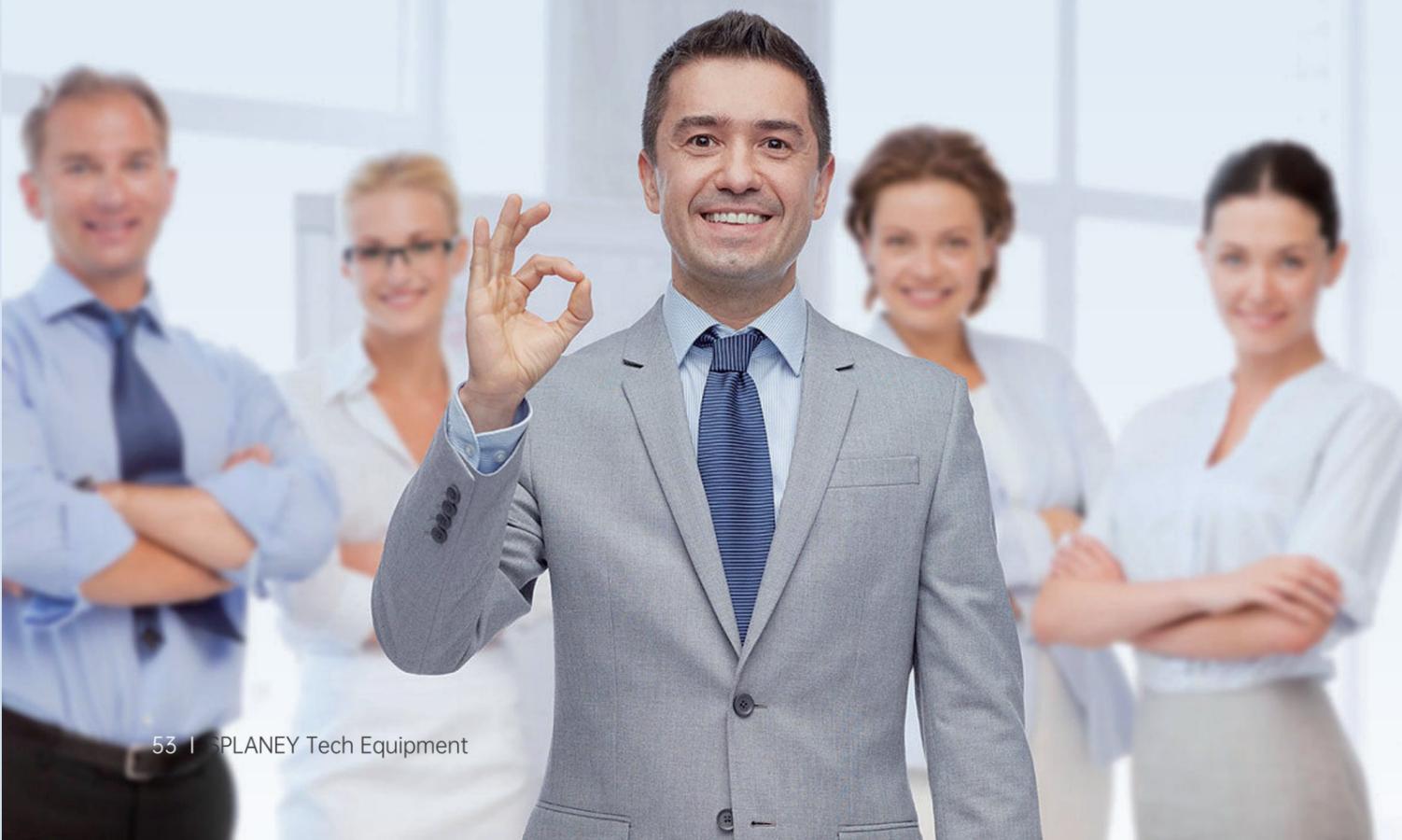
# 05

## Our Services

Striving for excellence in service, creating a top-tier experience for your cleaning needs



In every key step of cleaning and industrial processes, we focus on customer-centric service. By deeply understanding industry-specific needs, we strive to provide innovative and perfect solutions based on each customer's voice.



Our online products come with 1-year warranty and technical support. Combined with our team's expertise and supply chain management, we set new standards in industrial cleaning services.

### Experience the future of laundry technology

01

What we offer is not just a single product, but a comprehensive, strong, and dynamic solution.

### Defining the future with innovation and sustainability

02

We have over 30 patented technologies and a cloud-based IoT product management system, offering you more efficient and intelligent operation and management capabilities.

### A strategy driven by technology solutions

03

From the first contact with our sales team, we aim to deeply understand your needs and provide comprehensive technical guidance to ensure the best cost-effective solution.

### Customized demand guidance

04

欢迎您与我们共同迈向一个  
可持续、高效、科技驱动的明天  
您的宝贵意见将帮助我们持续完善  
与您共同缔造一个更绿、更安、  
更美好的未来。

05

### Organized and timely execution of solutions

We provide tailored solutions to ensure your ordered products are delivered on time or earlier, keeping communication open throughout the process.

06

### Relentless pursuit of quality control and testing

We ensure consistent product quality through rigorous factory testing, guaranteeing optimal performance and reliability for the best user experience.

07

### Uncompromising after-sales service

Once the product is in your hands, we provide full support for operation, ensuring that any concerns are addressed with prompt, ongoing professional assistance.