

# Solvent Waste Collection System & Kit





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In the field of chromatographic analysis, using instruments with mobile phases, including HPLC, UPLC, etc., may generate hazardous waste fluids. Improper treatment of these volatile waste fluids may seriously affect the laboratory environmental quality and do harm to the human body. In order to create a safe, effective, proper-order laboratory environment, and achieve the goal of "Scientific, standardized, safety and efficiency", Welch has launched a series of laboratory collection kits.

### ► Connected Safety Collection Device

The filter in waste liquid tank mouth can release the pressure in the tank and filter hazardous volatiles. Different types of liquid level indicators are provided inside the tank to remind the analysts to handle the waste liquid in time.

This connected safety collection device includes standard type, simple type, high-efficiency type, intelligent type. Simple type device is suitable for 4L reagent bottle, and details are shown in ordering information.

### Connected safety collection device



P/N	Name	Specification	P/N	Name	Specification
00839-30001	Connected safety collection device	Standard type: including a 20 L certified HDPE waste liquid tank, one inner and outer cover, one set of liquid phase connectors, one set of filter quick connectors, one liquid level indicator, one inorganic or organic standard filter, one leak-proof and topping-proof container; 1 set/pk	00839-30002	Connected safety collection device	High-efficiency type: including a 20 L certified HDPE waste liquid tank, one inner and outer cover, one set of liquid phase connectors, one set of filter quick connectors, one liquid level indicator, one inorganic or organic filter of high-efficiency, one leak-proof and topping-proof container; 1 set/pk
00839-30003	Connected safety collection device	Intelligent type: including 20 L certified HDPE waste liquid tank, one inner and outer cover, one set of liquid phase connectors, one set of filter quick connectors, one inorganic or organic filter of high-efficiency, one sound and light alarm according to liquid level, one leak-proof and topping-proof tank; 1 set/pk	00839-30401	Simple type safety collection device	Standard type: 4L customerized reagent bottle, one inner and outer cover, one kit of HPLC joints, one kit of filter joints, one organic or inorganic standard filter.
00839-30402	Simple type safety collection device	High-efficiency type: 4L customerized reagent bottle, one inside and outside cap, one kit of HPLC joints, one kit of filter joints, one organic or inorganic filter of high efficiency.			

## ▶ Dumping Safety Collection Device

This device does not need to be connected to other instruments, and which makes it an unique device is that the filter in waste liquid tank mouth can release the pressure in the tank and filter hazardous volatiles. Different types of liquid level indicators are provided inside the tank to remind the analysts to handle the waste liquid in time.

This connected safety collection device includes standard type, simple type, high-efficiency type, intelligent type. Simple type device is suitable for 4L reagent bottle, details are shown in ordering information here.

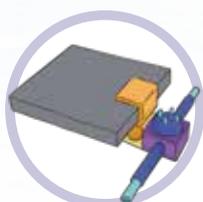


### Ordering Information

P/N	Name	Specification	P/N	Name	Specification
00839-30006	Dumping safety collection device	Standard type: including one 20 L certified HDPE waste liquid tank, one inner and outer cover, one splash proof filter mesh with cover, one waste liquid funnel, one liquid level indicator, one set of filter quick connectors, one inorganic or organic standard filter, one leak-proof and topping-proof container; 1 set/pk	00839-30007	Dumping safety collection device	High-efficiency type: including 20 L certified HDPE waste liquid tank, one inner and outer cover, one splash proof filter mesh with cover, one waste liquid funnel, one liquid level indicator, one set of filter quick connectors, one inorganic or organic high-efficiency filter, one leak-proof and topping-proof container; 1 set/pk
00839-30008	Dumping safety collection device	Intelligent type: including a 20 L certified HDPE waste liquid tank, one inner and outer cover, one splash proof filter mesh with cover, one waste liquid funnel, one set of filter quick connectors, one inorganic or organic high-efficiency filter, one sound and light alarm according to liquid level, one leak-proof and topping-proof container; 1 set/pk			

## ▶ Centralized Safety Collection System

More and more users choose to collect mobile phase waste liquid in a centralized way after considering environment and personnel health in LC laboratory. Through the splint design, centralized safety collection system can transport waste liquid to the designated point in a centralized manner, which is convenient for management.



### ◆ Features:

- ◆ Lifting pipeline to ensure discharge completely
- ◆ Design of outer tube and inner tube, resistant for corrosion and external force
- ◆ Accessories such as inlet joints have long lifetime
- ◆ Special cooling technology and accessories to ensure sealing



Centralized safety collection system provides complete pre-sale and after-sale service and suitable scheme according to customers' needs.

### Ordering Information

P/N	Name	Specification
00839-60005	Centralized safety collection system	Centralized type: can be connected to 2-8 sets of LC or other mobile phase equipment, internal PFA liquid guide pipe, cold diffused interface, external aluminum color sleeve, waste liquid pipe connection set, stop valve of end, pipe height adjustment accessories, pressure relief valve, no damage installation; 1 set/pk.

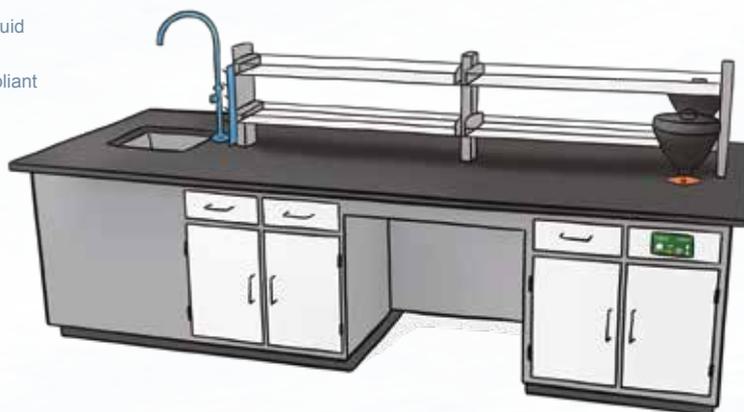
## ▶ Intelligent Management System

Data and visualization: help the laboratory in data and visualization of chemical waste management. Install the corresponding intelligent module to have a more direct and timely understanding of the waste liquid situation, which provides a reliable basis for the next decision-making.

Take the intelligent controlled dumping safety collection device as an example:

The main body is placed in the experiment rig, including secondary leakage tank, 10 L or 20 L waste liquid collection tank, hazardous volatile filter. Note: This intelligent control panel can be configured on other safety collection devices.

Dump waste water and waste liquid separately  
Environmental friendly and compliant



Configure the tap switch  
Prevent harmful substances from volatilization

Control panel built-in smart chip  
Send instructions according to the waste liquid situation to remind the experimenter to operate safely!

Place the waste liquid collection device in the experiment rig  
Save space in the lab



- ◆ Check the waste liquid with App and website in real time to take full control of the laboratory security
- ◆ Mail early warning of waste liquid volume, timely disposal
- ◆ Specialized personnel are responsible for mastering the flow direction of the waste liquid
- ◆ Disposal unit data docking, simpler the process

- ◆ According to the chemical purchase data, the type of waste liquid and collection labels are recommended
- ◆ Data diversified display
- ◆ Statistics and analysis of waste liquid data
- ◆ Provide a basis for management and training

### Ordering Information

P/N	Name	Specification
00839-60001	Software for visualization management system of chemical waste liquid in laboratory	Type 2.0; One set of software (Windows, App small program of WeChat, data visualization search, summary and analysis, decision assistance, 1 set/pk
00839-60002	Software for visualization management system of chemical waste liquid in laboratory	Float sensor, two short range transmission detection point modules, a remote transmission data center module, autonomously management chip (integrated temperature and humidity management); 1 set/pk
00839-60003	Hardware for visualization management system of chemical waste liquid in laboratory	Pressure sensor, two short range transmission detection point modules, a remote transmission data center module, autonomously management chip (integrated temperature and humidity management); 1
00839-60004	Laboratory waste liquid transport management module hardware	Radio frequency intelligent transportation management (self-developed RFID chip); 1 set/pk

## ▶ Related Consumables and Accessories



### ◆ HPLC Safe liquid inlet device:

- ◆ Equip with PTFE one-way valve, pore size: 0.22 μm
- ◆ Equip with standard GL45 reagent bottle, other specifications of caps can also be customized
- ◆ Prevent volatilization of gases, and protect the experimental environment
- ◆ Protect the purity of reagents



#### ◆ Filter:

- ◆ Efficient filter can replace the inner core separately and configure the time label
- ◆ Fully absorb harmful gas to avoid gas leakage
- ◆ A wide combination of filter materials are available
- ◆ Optional saturation indicator
- ◆ Unified standard interface



#### ◆ Bearing Car:

- ◆ Equipped with rod fixed collection container
- ◆ Wheel pulley with latch construction

### Ordering Information

P/N	Name	Specification	P/N	Name	Specification
00839-80003	One-way valve	Standard type: PP one-way air inlet valve, with pore size of 0.22 um, filter particles in the air, prevent harmful vapor volatilization; 1 pcs (4 pcs/pk)	00839-80004	One-way valve	Tolerancetype: PP one-way air inlet valve, with pore size of 0.22 um, filter particles in the air, prevent harmful vapor volatilization; 1 pcs (4 pcs/pk)
00839-10012	Filter	High-efficiency filter: inorganic gas filter; 1 pcs/pk	00839-10022	Filter	High-efficiency filter: organic gas filter; 1 pcs/pk
00839-10032	Filter	High-efficiency filter: acidic gas filter; 1 pcs/pk	00839-10042	Filter	High-efficiency filter: ammonia and methylamine filter; 1 pcs/pk
00839-10052	Filter	High-efficiency filter: formaldehyde filter; 1 pcs/ pk	00839-10062	Filter	High-efficiency filter: versatile filter; 1 pcs/pk
00839-10072	Filter	High-efficiency filter: mercury vapor filter; 1 pcs/ pk	00839-20011	Filter element	Inorganic gas filter element; 1 pcs/pk
00839-20021	Filter element	Organic gas filter element; 1 pcs/ pk	00839-20061	Filter element	Versatile filter element; 1 pcs/pk
00839-40001	Filter saturation indicator	Filter saturation indicator, 1 pcs/pk	00839-40002	Filter saturation indicator	Acidic gas saturation indicator, 1 pcs/pk
00839-40003	Filter saturation indicator	Alkaline gas saturation indicator; 1 pcs/pk	00839-50001	Liquid waste collection container	HDPE, 10L;1 pcs/pk
00839-50002	Waste water collection container	HDPE, 20L;1 pcs/pk	00839-50006	Waste water collection container	HDPE, 60L;1 pcs/pk
00839-30011	Large capacity liquid collection device	High-efficiency type: including 60 L certified HDPE waste liquid container, one inner and outer cover one funnel with cap, one liquid level indicator, one set of filter quick connectors, one inorganic or organic high-efficiency filter, one leak-proof and topping-proof container; 1 set/pk	00839-30012	Large capacity liquid collection device	High-efficiency type: including 60 L certified HDPE waste liquid container, one inner and outer cover, one funnel with cap, one liquid level indicator, one set of filter quick connectors, one inorganic or organic high-efficiency filter, one leak-proof and topping-proof container; 1 set/pk
00839-70001	Liquid bearing car	Standard type: bearing car 304 stainless steel, mute belt brake wheel, optional handle color, container built-in stability accessories, one bearing car and one container; 1 set/pk	00839-50004	One leak-proof and topping-proof container	Container built-in stability accessories; 1 set/pk
00839-70002	Bearing car	Bearing car 304 stainless steel, mute belt brake wheel, optional handle color; 1 set/pk	00839-70003	Bearing car	Bearing car 304 stainless steel, mute belt brake wheel, optional handle color; 1 set/pk
00839-80001	HPLC safe liquid inlet device	Standard type: one inner and outer cover, one one-way valve (PTFE, 0.22µm), can be connected to one inlet pipe, various colors are available (Differentiate mobile phase),1 pcs	00839-80011	HPLC safe liquid inlet device	Standard type: one inner and outer cover, one one-way valve (PTFE, 0.22µm), can be connected to two inlet pipes, various colors are available (Differentiate mobile phase),1 pcs
00839-80021	HPLC safe liquid inlet device	Standard type: one inner and outer cover, one one-way valve (PTFE, 0.22µm), can be connected to three inlet pipes, various colors are available (Differentiate mobile phase), 1 pcs	00839-80031	HPLC safe liquid inlet device	Standard type: one inner and outer cover, one one-way valve (PTFE, 0.22µm), can be connected to four inlet pipes, various colors are available (Differentiate mobile phase),1 pcs
00839-80002	HPLC safe liquid inlet device	High-efficiency type: one inner and outer cover, one one-way valve (PTFE, 0.22µm), one integrated gas filter, can be connected to one inlet pipes, various colors are available (Differentiate mobile phase), 1 pcs	00839-80012	HPLC safe liquid inlet device	High-efficiency type: oone inner and outer cover, one one-way valve (PTFE, 0.22µm), one integrated gas filter, can be connected to two inlet pipes, various colors are available (Differentiate mobile phase),1 pcs
00839-80022	HPLC safe liquid inlet device	High-efficiency type: one inner and outer cover, one one-way valve (PTFE, 0.22µm), one integrated gas filter, can be connected to three inlet pipes, various colors are available (Differentiate mobile phase), 1 pcs	00839-80032	HPLC safe liquid inlet device	High-efficiency type: one inner and outer cover, one one-way valve (PTFE, 0.22µm), one integrated gas filter, can be connected to four inlet pipes, various colors are available (Differentiate mobile phase),1 pcs

# welch



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