

## SS300 Liquid recovery system

Equipment certified for use in Zone 1 or Zone 2 Hazardous areas (Electric type only)

Product Data Sheet  
P\_SP310r0  
2016.09.17

### FEATURES:

- Excellent space utilization with compact design.
- There are two types of electrical controls and pneumatic signal.
- Automatically activated via a water level sensing switch.
- Could be used in seawater.
- Easy to control and simple structures.
- One body : Can be used immediately without an additional installation
- Can be check to operate through a water gauge.

### DESCRIPTIONS:

Wellas SWR-110S is configured product what re-use the discarded samples automatically without any operation control.

It has compact design and easy to install because it is operated only with compressed air for using level sensors.

Also it has optional for two types, electric signal and pneumatic signal.

The material of tank can be variously configured depending on the fluid. Normally be used 316/316L, sometimes FRP/CPVC may be used when the fluid has a high pH and CL. All materials that consists of FRP or PVDF are available for various purposes, it has excellent durability of salinity, chemicals and acid etc. Also, it is a highly corrosive substance.

SWR-1100S is selected the tank capacity and pump capacity according to user's conditions. And other specifications can be satisfied through a various options what user wants. It is possible to maintain without specific tools and all components are protected from contaminants such as direct sunlight or dust pollution.

If you want to get more data or question about product, please contact us by using web-site or e-mail.



SWR\_1100S

### TECHNICAL SPECIFICATIONS :

**Explosion proof type** : - Zone 1 EX II 2/2 GD c IIB T4 IP65  
- Non hazardous area

**Material** : - Recovery Tank : FRP, Stainless steel  
- Pump : PVDF, PTFE, stainless steel  
- Wetted Part : Monel, Bronze, Teflon  
- Product base : Steel with Painting

**Recovery type** : - Electric signal /w Level Switch  
- Pneumatic signal /w Floating valve

**Recovery Tank Volume** : Effect Level Between H,L 0.12~0.37m  
to Process condition

**Operating type** : Duty is filling 1 Hour, Pumping 10 min  
(it can be changed for capacity)

**Operating Temperature** : Max. 220 °F / 104 °C

**Flow delivery** : 19.8 ~ 454 L/m

**Fluid outlet pressure** : Max. 125 psi / 8.6 barg

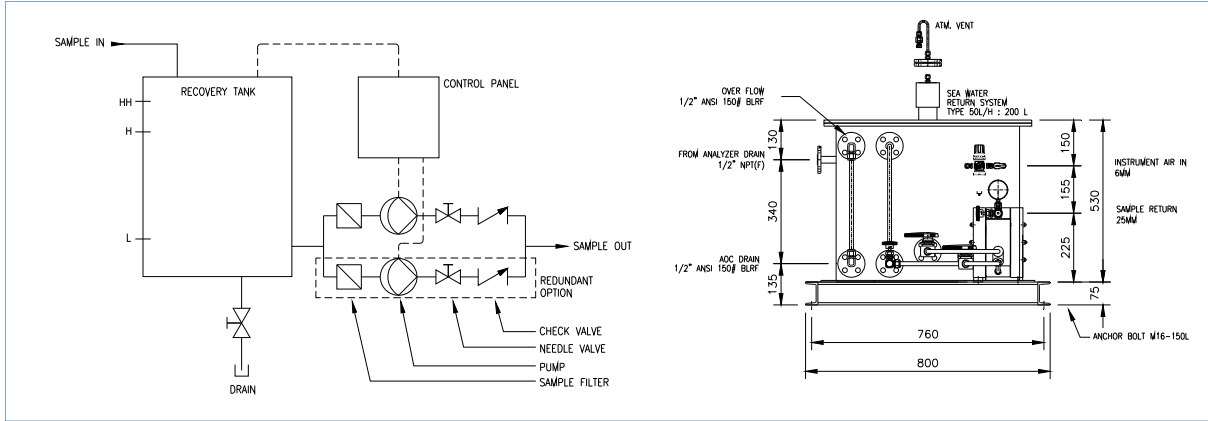
**Air Operating Pressure** : 20~125 psi / 1.4~8.6 barg

**Air consumption** : 0.37~0.65 m<sup>3</sup>/m

**Connection** : ½ " NPT Other size available

**Weight** : Approximately 95~120 kg (200~265 lbs)

**Drawing :**



**Application data sheet :**

Analyzer outlet pressure \_\_\_\_\_ kg/cm2  
 Analyzer outlet Flow \_\_\_\_\_ L/m  
 Power requirement (Depends on control type) \_\_\_\_\_  
 Return pressure \_\_\_\_\_ kg/cm2  
 Return Pressure drop \_\_\_\_\_ kg/cm2  
 Inlet/Outlet connection \_\_\_\_\_ / \_\_\_\_\_

**Spare parts :**

Request for extra order if you need.

Consumable Parts:	code	Critical Parts:	code
Filter Element Mesh filter 40 $\mu$ m	SS3-001	Air Filter regulator 0~8 Barg	SS3-010
M10 Recovery Tank Bolt set (FRP, PVC Tank only)	SS3-002	Vent Protection (Bug screen)	SS3-020
1/2" Flange Gasket, Stud bolt set	SS3-003	Exhaust silencer (Air operated pump only)	SS3-030
1/2" Set Anchor bolt – 150 L	SS3-004		

**Ordering No. :**

If applicable, you can leave this blank.

See water return	Fluid	Contol type		Signal output		Flow rate / Inlet Condition		Pump type	
	Liquid(HC) STS 316 Tank	H-L Level switch (Electric Contol)	10	None	N	50~100 L/h 20(1.4)~120(8.3) psi(barg)	S	Single Pump	S
See water PVC tank	H-L Level switch (Pneumatic signal)	20	H-L Control /w level transmitter	S	100~200 L/h 20(1.4)~120(8.3) psi(barg)	M	redundant pump	R	
Special		30	H-L Control /w Dual level transmitter	D	600~1500 L/h 20(1.4)~120(8.3) psi(barg)	L			
SS3	20		N		S		S		

For further technical information see front page