

FEATURES:

- Condensate & Acid removal with Dryer
- Water / Steam wash available
- No necessary electricity.
- Quick and easy maintenance.
- Compatible with any probe
- Removing moisture and purifying sample gas.
- Excellent quality in preparation for cost
- As a compact size, easy to install by Free Standing Rack or Wall Mounting.

DESCRIPTIONS:

The Wellas SS310 (Washer and Dryer) is a single system but have several features in one.

This product is optimized for the component analyzing through the cooling down various sample temperature and removing moisture.

Due to operate by instrument air, do not need any electric device, so safe at the explosion proof. Also it is possible to maintenance and repair without any special tools.

Easy to install by Free Standing Rack or Wall Mounting. Because the inlet/outlet port can consist based on user requirement, can use it directly without any other components.

The enclosure is protecting pollutants and direct sunlight from outside, and also designed by using multiple cooling system via used cold air recycling.

Furthermore, able to meet user requirement via various options.

Your imagination is nothing before experience our product.

Further information and data is refer to our website or let us know via email.



SS310

TECHNICAL SPECIFICATIONS :

Material : - Chamber body : 316 SS
 - Tube fitting : 316 SS
 - Level tube : PTFE
 - O-ring : Graphite/viton
 * Other Material available

Chamber volume : 2.7 l (0.5 l Dead Volume)

Drain system : 0.43 l/m ~ 5 l/m

Operating Pressure : Max. 5 barg

Operating Temp. : 0°C to +260 °C

Cooling Air consumption : 6.8 barg, 425 l/hr

Cooling Capacity : Max. 900 BTU/hr

Dimensions : 114Ø x 800(L)

Weight : Approximately 12 kg (26 lbs)

Product User Manual

SS310 ACID Washer

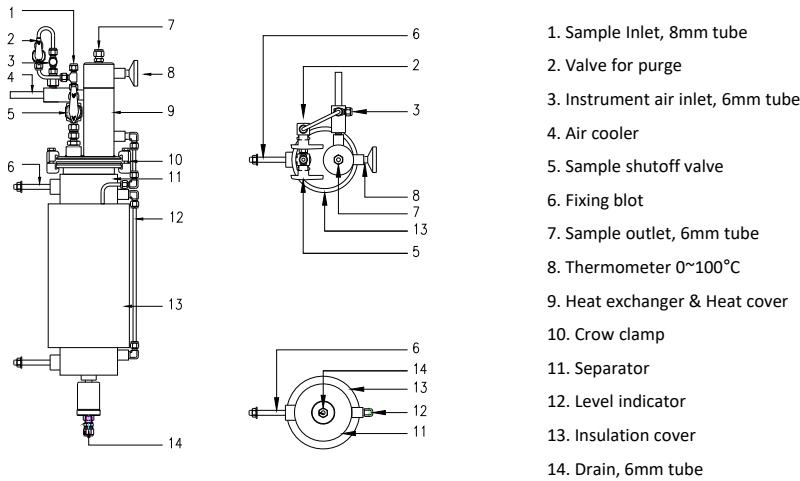
1. PRECAUTIONS FOR THE SAFETY



**BEFORE THE INSTALLATION, MUST BE SUFFICIENTLY READ AND FOLLOW THIS USER MANUAL.
IF NOT FOLLOWING INSTRUCTIONS OF THIS MANUAL, THE USER MIGHT BE SEVERELY INJURED OR DEATH.**

- 1.1 Supply refined pure compressed air.
Otherwise it could be caused malfunction and fault.
- 1.2 In case of installed to outside, set up the sun shade.
Able to protect from the direct sunlight and natural disasters.
- 1.3 Do not separate the equipment in sample measuring.
If not serious casualties can be occurred through the discharge high pressure and high temperature gases.

2. PRODUCT DETAILED DESCRIPTIONS



3. INSTALLATION

3.1 Fixing at the wall

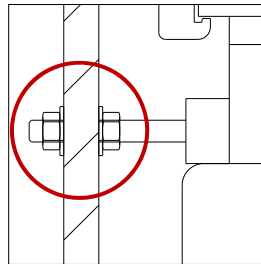
Basically, the model SS310 has 3/8 " bolts that can be fastened directly to the wall.

(1) Hole machining on mounting surface

Machining the 12Ø hole on the wall or pillar to be installed.

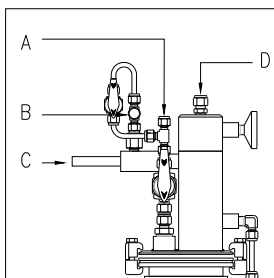
(2) Secure the product on wall or pillar

Secure both sides with a flange nut that meets the standard.

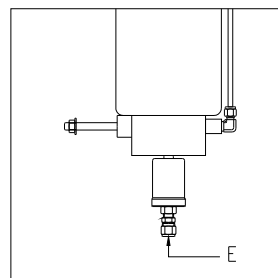


[Figure 1]

3.2 Installation of connection port



[Figure 2]



[Figure 3]

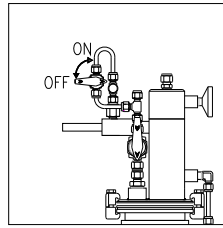
- A. Sample Inlet, 8mm tube connection port
Connect the sample which flow from the probe outlet.
- B. Utility compressed air inlet, 6mm tube connection port
Use the utility compressed air installed at the site, setting up to 6.8kg/cm².
- C. Hot air outlet 1/4" NPT
The hot air released to atmosphere from the cooler.
- D. Sample outlet, 6mm tube connection port
Sending the washed and cooled sample to the measuring equipment.
- E. Condensate outlet, 6mm tube connection port
After removing acid from the sample, the remaining moisture is discharged.

* The heat tracing must be done up to the sample inlet (including valve).

4. VALVE SETTING

4.1 Sample input

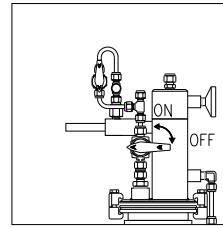
As shown in [Figure 4], use the equipment by locking the purge valve and opening the sample valve.



[Figure 4]

4.1 Probe purge

As shown in [Figure 5], lock the sample input valve and open the purge valve to purge the probe.



[Figure 5]

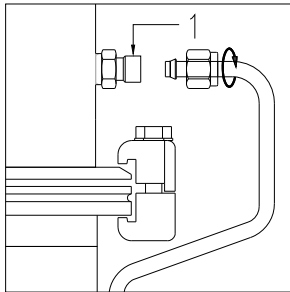
5. MAINTENANCE

5.1 Connection part leakage

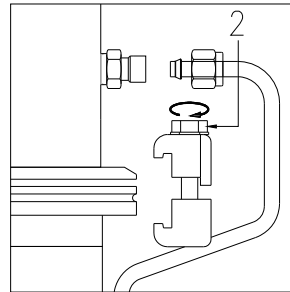
If correctly connected to inlet and outlet of the equipment, the leakage test shall be tested at the site.

5.2 Refill and replace of cleaning fluid

Distilled water should be replenished to remove the acid component of the sample.



[Figure 6]



[Figure 7]

1. Separate it with a wrench as shown in [Figure 6].
2. Separate four crow clamps as shown in [Figure 7].
3. After separate each, replenish or replace the cleaning fluid.
4. Combine products in reverse order.

- Even if the cleaning fluid filling exceeds the reference value, the cleaning fluid is automatically discharged from the automatic ejector.
- The cycle of cleaning fluid replacing depends on the pollution level of equipment and site weather conditions.



**BE SURE TO STOP OPERATION BEFORE CHECKING THE EQUIPMENT.
PERSONNEL ACCIDENT CAN BE OCCURRED CAUSED THE HIGH TEMPERATURE AND HIGH PRESSURE.**

WARNING

1. Leakage problem : Make sure there are no leaks at the connections via leakage test.
2. Cooling problems : (1) Check that the pressure of compressed air in the vortex cooler is above the standard value.
(2) Open the lower insulation cover and check that cool air is blowing out from the coil.
3. Discharge Problem : Check the automatic ejector for foreign objects.

In the event of a problem with the equipment other than the above symptoms, stop the operation of the equipment and send an e-mail and picture of the symptoms.
WELLAS will provide friendly consultation and measures.

7. MANUFACTURER

WELLAS has a wide range of items, including Analyzer Packages, HVAC, and other items used in petrochemical plants and offshore plants.

More information can be found on the website.

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