

## Solvent Washing Units | Corrosive Solvent Wet Washing

## GWS410

Maximum flow rate 15L/min

The world's first solvent washing device, mainly used for spray dryers.

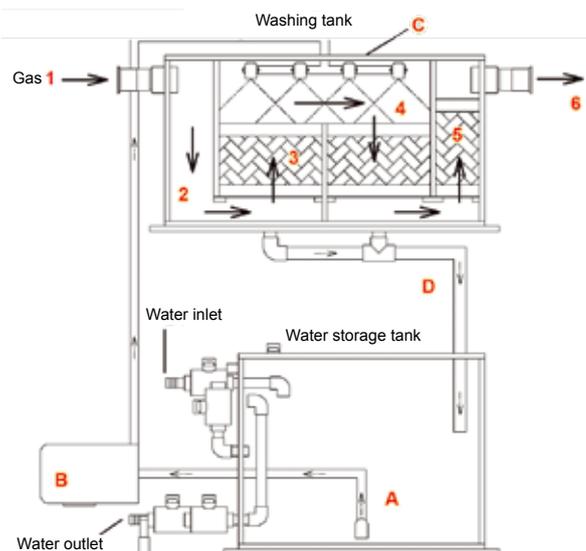


GWS410 captures pollutants in harmful gases using water or alkaline solution at atmospheric pressure and room temperature. GWS410 is designed with a washing tank—when solvent vapors enter the washing tank, sprayed water adheres, cleans, and neutralizes solvent particles, then returns to the bottom of the tank.

#### Features

- Using water or alkaline solution
- Eliminate highly irritating solvents
- Reduce rust and corrosion of equipment
- Easy to operate
- Easy to maintain—just monitor the pH level of water in the water storage tank and the state of the molecular sieve

#### System diagram

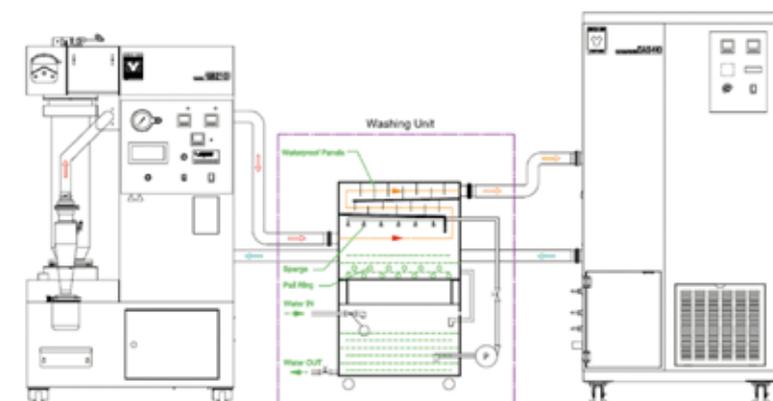


#### Specifications

| Model                       | GWS410                               |
|-----------------------------|--------------------------------------|
| System                      | Flow-type spraying washing type      |
| Circulating liquid          | Water/alkaline solution              |
| Circulation pump            | Small magnetic circulation pump      |
| Maximum flow rate           | 15L/min                              |
| Maximum lift                | 8m                                   |
| Harmful gas cleaning method | Pall ring filling + spraying washing |
| Water storage tank capacity | 35L                                  |
| Safety device               | Leakage protection circuit breaker   |
| Power supply                | 200-230V~0.35-1.0A                   |
| Dimensions (WxDxH)          | 800×500×1230 mm                      |
| Weight                      | Approx. 120kg                        |

\*Dimensions do not include protrusions.

#### Connection diagram



Spray Dryer + GWS410 Organic Solvent Cleaning Device + GAS411C Organic Solvent Recovery Device

- (1) Harmful gases exiting the spray dryer ① enter the washing tank unit.
- (2) Through the cleaning tank unit ②, harmful gases come into contact with the filling material ③ and the cleaning liquid ④ that is sprayed from the nozzle, allowing harmful substances to be absorbed by the cleaning liquid.
- (3) Through multiple filling chambers, the gas passes through the smoke collector ⑤ to prevent the cleaning liquid from being discharged.
- (4) The gas, under the influence of the fan, enters the GAS411C as clean air exhaust ⑥.
- (5) Cleaning liquid A enters the washing tank from the water storage tank through circulation pump B, is dispersed onto the filling material ③ via spray nozzle C, and returns to the water storage tank's circulating water tank through piping D.

1 Sterilizers

2 Granulation and Spray Dryers

3 Muffle Furnaces

4 Ovens

5 Incubators

6 Plasma Equipment

7 Water Purifiers

8 Baths

9 Water Circulators

10 Rotary Evaporators

11 Freeze Dryers &amp; Cold Traps

12 Stirrers &amp; Shakers

13 Washers

14 Analysis and Test Devices

15 Options