

Organic Solvent Washing Unit

A unique vapor neutralizer using water or alkaline solution (Na_2CO_3 , NaHCO_3)

GWS410

Max. flow 15L/min.

The world's first water-based solvent neutralizer designed primarily for spray dryers.

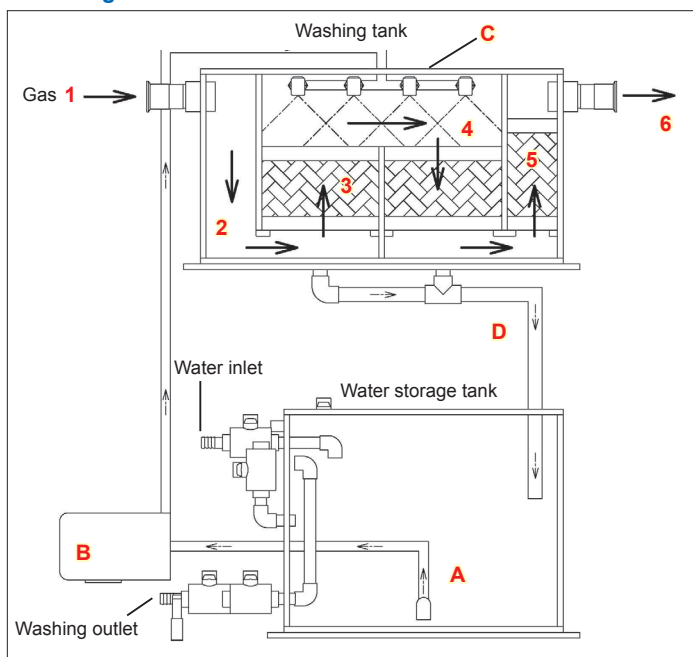


GWS410 traps contaminants in solvents by using tap water or alkaline solution at atmospheric pressure and room temperature.

GWS410 is designed with a washing tank --- when solvent vapor enters the tank, sprayed water adheres, cleans and neutralizes solvent particles, before returning to the bottom of the chamber.

- Uses water or alkaline solution
- Eliminates harsh solvents
- Minimizes equipment rust and corrosion
- Simple operation
- Easy maintenance --- only requires monitoring of water's pH level in the storage tank and condition of molecular sieves

Flow Diagram

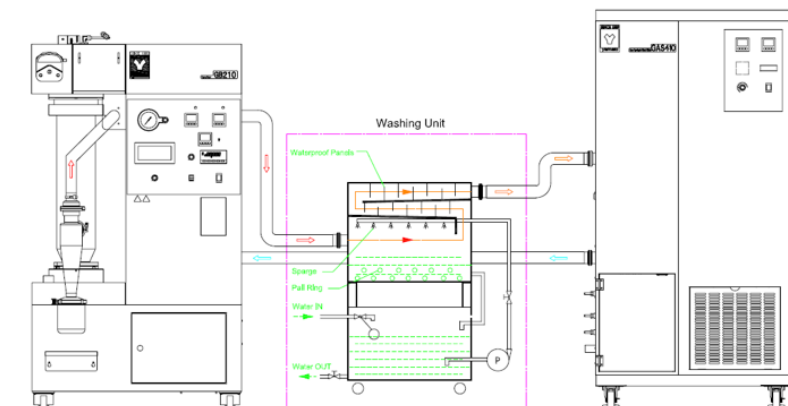


Specifications

Model	GWS410
Method	Spraying circulation
Circulating liquid	Water
Circulating pump	Small magnetic force circulating pump
Max. flow	15L / min
Max. head	8m
Harmful gas washing way	Pall ring filling + water spray washing
Water storage tank capacity	35L
Safety device	Earth leakage breaker
Power source	AC200V 0.35A
Exterior dimension (WxDxH)*	800×500×1230 mm
Weight	Approx. 80kg

* Exterior dimension does not include protrusions.

Sample Installation



**Spray Dryer + GWS410 Organic Solvent Washing Unit
+ GAS410 Organic Solvent Recovery Unit**

- (1) Harmful gas **1** from spray dryer enters into the washing tank unit.
- (2) It goes through **2** inside the washing tank and the filling rooms **3** and comes in contact with the cleaning fluid **4** sprayed by the spray nozzle. The harmful substance is then absorbed by the cleaning fluid.
- (3) Moving through multiple-stage filling rooms, the gas goes through the smog collector **5** to prevent cleaning fluid discharge.
- (4) With the aid of the blower, the gas enters into **6** GAS410 as clean air.
- (5) The cleaning fluid **A** from the water storage tank enters into the washing tank through the circulating pump **B**, it spreads to the filling rooms **3** by means of spray nozzle **C**, and then goes through the pipeline **D** to return to the circulating water in the water storage tank.