

SINCE 1889



# SPRAY DRYER

**ADL-311SA Spray Dryer / GAS410 Organic Solvent Recovery Unit**  
 For water based samples / For solvent based samples

**Compact, economical and low cost Spray Drying System  
 for water soluble and/or organic solvents samples**

## Features



**ADL311SA Spray Dryer**  
 220V with GF300 Glassware  
 For water soluble samples

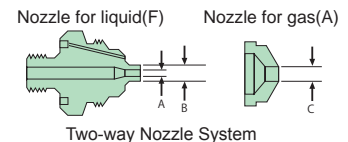


**GAS410**  
 For organic solvents samples

**Control Panel ADL311SA**



**Selectable Spray Nozzles**



- Excellent in cost and performance
- Easy set up, easy operation
- Process samples as small as 0.5g of solid matter
- One touch mechanism for drying chamber, cyclone and product vessel
- Safe for heat-sensitive samples, such as food or medical products
- No risk of contamination
- Fast and easy clean up
- Unique nozzle cooling, pulse jet mechanism and a nozzle knocker for stable spray drying

## Specifications

Model	ADL311SA	ADL311SA+GAS410	Model	GAS410
Supported specimens	Water soluble	Water soluble & Organic solvent	System	N <sub>2</sub> gas sealed circulation system
Sample flow	Max. 26ml/min.		Solvent evaporation amount	1500ml/h (alcohol based)
Water evaporation rate	1300ml/h		Circulation amount	0.12~0.65m <sup>3</sup> /min
Temp. control range	40°C~220°C		Circulation blower	Roots blower
Temp. adjust accuracy	Inlet temp. ±1°C		Collecting filter	Cartridge filter
Heater control	IN/OUT switch control possible/heater 2kW		N <sub>2</sub> gas	0.1Mpa 15L/h
Tubing pump	Constant quantity peristaltic pump		Solvent recovery system	Freezer + condenser (cold trap)
Drying chamber / Cyclone	Hard glass		Solvent recovery container	2L flask
Touch panel	Blower, heater, liquid sending pump, pulse jet switch, error display		Power source	AC200~240V, single phase 5A
Power source 50/60Hz	AC200~240V, single phase 18A			