

SOLVENT PURIFICATION SYSTEM



KOREA KIYON

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NEW PRODUCT!! KK-SPS

- ❖ The best alternative to thermal distillation method.
- ❖ Remove oxygen and water from flammable solvents safely, easily and quickly.
- ❖ Provide high purity and anhydrous solvent. (O_2 , $H_2O < 1\text{ppm}$)
- ❖ No cross diffusion of solvent vapors, thus eliminating cross contamination of solvent.
- ❖ Color coded quick connector valve and solvent valve.
- ❖ Replace used column with new one readily.
- ❖ Retractable grounding clamp for removing hazards of electro static discharge.
- ❖ Purify up to 800 liters of solvent(ACS or better grade) before replacement or regeneration.

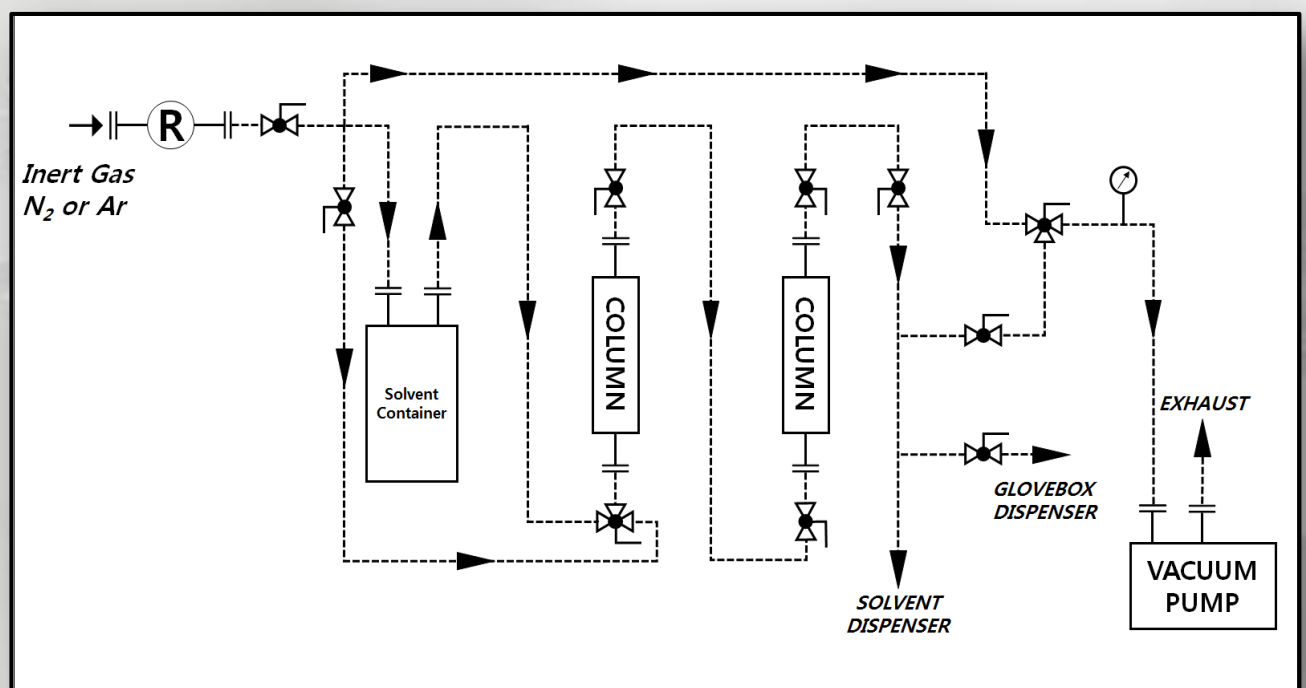
✓ Specification

Solvent Purification System	Type	3 type(standard), up to 7 type
	External Dimention	680 mm (D) x 770 mm (W) x 1980 mm (H) (standard)
	System Control	Manual
	Material	Stainless steel
	Working gas	Argon or nitrogen(99.99% or better)
	Working Pressure	5 - 10 psig
Columns	Column Type	Dual column per solvent(1set)
	Column Material	Stainless steel
	Column Packing Material	Depend on solvent type
	Column Size	3.25 L
	Purification Capacity per Set	Up to 800 liter (ACS or better solvent grade)
Reservoir	Features	10 or 18 L, Stainless steel, Pressure Release Valve, Fill Port
Reservoir Cabinet	Features	Chemical Resistance, UV Protection,
Solvent Receiving Flask	Features	250 mL, 1 side arm, $\varnothing 24/40$ (standard)
Vacuum Pump	Perfomance	<100 mTorr(optional)

✓ List of Solvents Purified

- | | |
|---------------------|-----------------------|
| • Acetonitrile | • Heptane |
| • Acetone | • Hexane |
| • Benzene | • Isopropyl alcohol |
| • Chlorobenzene | • Methanol |
| • Chloroform | • Methylene Chloride |
| • Cyclohexane | • Pentane |
| • Dichloromethane | • Propylene Carbonate |
| • Dimethylformamide | • Tetrahydrofuran |
| • Ethers | • Toluene |

✓ The gas and solvent flow through the system



✓ Options

In-Glovebox Solvent Dispenser

: This dispenser provides the most anhydrous solvent for the experiment by removing any exposure of the solvent to moisture. The dispenser design also provides circulation of the solvent into the glovebox to keep the solvent fully conditioned.

Solvent Receiving Flask

: The flask is used to dispense purified solvent. Specially designed flask are available.

Dispensing Adapters

: The SPS is provided with a 24/40 universal inlet adapter for application to a variety of flasks and sampling systems. Each user can easily customize the connection for each particular application or discuss other options with us.

✓ KK-Glovebox



✓ KK-SPS(4 solvents type)

