

Stand Alone Solvent Purification System SPS-3001 Series



►►► Features:

- Safe
- Easy to operate
- No more dangerous solvent stills
- Upgradable from 1 to 7 solvents
- NFPA rated flammable solvent storage cabinet
- All stainless steel construction
- 800 liter drying capacity

Our SPS-3001 Series stand alone solvent purifier is a complete system built from the highest quality components available. The system delivers pure anhydrous solvent using a safe and reliable process. No more dangerous solvent stills.

The SPS-3001 Series system eliminates the need for stills to dry solvents. It uses low pressure nitrogen or argon gas to force solvent through various filter materials to remove moisture and impurities from the solvent. Thus, supplying moisture free solvent for your application cleanly and safely.

Our complete system comes with everything you need to start drying solvents. All you have to do is connect high purity nitrogen or argon, a power supply for the vacuum pump and you are ready to go.

This system has been designed so that it is easy to operate while keeping the user safe. The system uses a double filter design to ensure dry solvents with a capacity of up to 800 liters.

Commonly Used Solvents:

Projected Results:

Acetone	≈ 2 ppm*
Acetonitrile	≈ 2 ppm*
Benzene	≈ 2 ppm*
Chlorobenzene	≈ 2 ppm*
Chloroform	≈ 2 ppm*
Cyclohexane	≈ 2 ppm*
Dichloromethane	≈ 2 ppm*
Dichloroethane	≈ 2 ppm*
DME	≈ 2 ppm*
DMF	≈ 2 ppm*
Ether - Inhibitor-Free	≈ 2 ppm*
Heptane	≈ 2 ppm*
Hexane	≈ 2 ppm*
Hexanes	≈ 2 ppm*
Methanol	≈ 2 ppm*
Pentane	≈ 2 ppm*
THF - Inhibitor-Free	≈ 2 ppm*
Toluene	≈ 2 ppm*
Triethylamine	≈ 2 ppm*



**Output results are based on a starting moisture level of 250 ppm. Results will vary up or down based upon different starting moisture content in the solvent. Accuracy ± 2 ppm.*

Standard Items List for the SPS-3001 Series Solvent Purifier Series:

1. Stainless steel stand with leveling feet and casters
2. Stainless steel work shelf
3. Stainless steel enclosure for housing filters and gas manifold
4. Stainless steel fume extraction hood
5. Stainless steel fume hood connection
6. NFPA and OSHA approved safety storage cabinet for flammable liquids including eight (8) welded feedthroughs
7. Safety storage cabinet has the capacity to hold seven (7) 19 liter kegs
8. Stainless steel gas, vacuum and dispense manifold using Swagelok valves and components
9. All stainless steel pressure gauge
10. All stainless steel vacuum gauge
11. Teflon 24/40 connectors
12. One (1) stainless steel jack stand
13. One (1) 500 ml glass collection vessel with cork ring
14. Two (2) stainless steel one gallon filter columns per solvent; 800 liter capacity
15. Stainless steel back flow check valves to prevent cross contamination
16. Stainless steel over pressure relief valves
17. Teflon diaphragm pump
18. All stainless steel braided flex lines and tubing
19. All Teflon and Kalrez o-rings and seals
20. Stainless steel 19 liter keg(s) with quick connects
21. Grounded and bonded against E.S.D.
22. Swagelok sediment filters
23. Color coding for each solvent
24. Built-in gas regulator

All components adjusted for number of solvents ordered. System available with a quantity of 1 to 7 solvents.

▶▶▶ Regulatory compliances



▶▶▶ Corporate Social Responsibility



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