

## Specification Sheet

### - Solvent Purification System

VTI offers the most efficient, safest and easy to operate solvent purification system for purifying various solvents to ppm level purity.

One SolvPurer unit allows to process up to seven types of solvent simultaneously. Each type of solvent is processed individually to avoid cross contamination.

Typical solvent that can be purified including:

*Acetonitrile, hexane, pentane, benzene, toluene, diethyl ether, THF, dichloromethane, DMF N, N', DEF N, N', chloroform, methanol, ethanol, acetone, pyridine, heavy water, ethyl acetate, chlorobenzene, chloromethane, 1,2-Dichloroethane, N-Methyl pyrrolidone, etc.*



### Solvent Purification System

- o Dimension: 1600mm (length)x 1000mm(width)x 2000mm(height) (depends on the number of columns)
- o Model - 3 (SolvPurer A3/G3) - For 3 types of solvent
  - 5 (SolvPurer A5/G5) - For 5 types of solvent
  - 7 (SolvPurer A7/G7) - For 7 types of solvent
- o Solvent Flow Rate: Up to 800cc/min
- o Vacuum Pump: Oil-free diaphragm pump, 20L/min, ultimate pressure < 2mbar



- System control: Manual (available to be upgraded to PLC)
- Pipeline: 316 Stainless Steel
- Power: 230V/ 50~60 Hz, 10A  
115V/ 50~60 Hz, 15A
- Integrated Flammable Storage Cabinet
- Working Gas: N<sub>2</sub> or Ar (Purity of 99.99% or higher)
- Solvent Dispensing: Solvent is dispensed directly inside or/and outside of glovebox
- Regulation: Independent regulator for each solvent
- Collection Vessel Connection Joint: Stainless Steel 24/40, 14/20, 29/33
- Available to integrate into glovebox

## Purifier Columns

- Column Construction: Dual columns per solvent, 304 Stainless Steel
- Dimension: Diameter ≤ 100mm length ≤ 7000mm
- Dust Filter: 7μm
- Absorbent: Depends on Solvent Type
- Capacity: Up to 800L
- Velocity: Up to 1L/min (maximum dispensing 5L/ day)
- Activation: Columns has been activated before delivery. Columns can be activated repeatedly

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## Solvent Reservoirs

- Capacity: 20L with special explosion- proof design
- Stainless Steel
- Quick disconnect for inert gas push
- Quick disconnect for solvent out

\*\*All models can be made to custom specifications

\*\*Contact us for more information

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