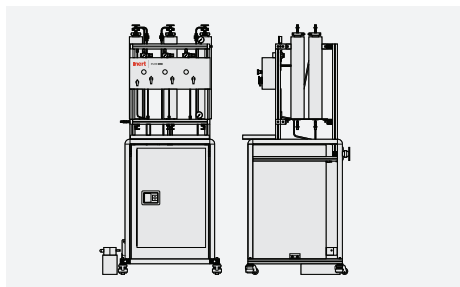




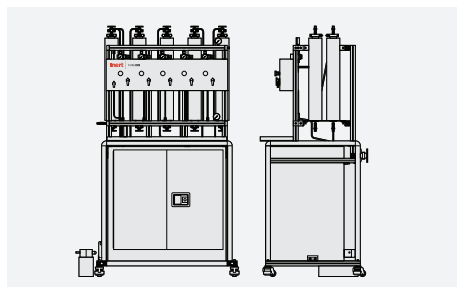
Inert Solvent Purification Systems enable you to work quickly and safely. These systems are safe alternatives to thermal distillation, alleviating risk of injury to your staff or fire damage to your lab. They allow for air-free collection of ultra-dry and de-oxygenated solvents, while eliminating cross-diffusion of solvent vapors.

PURESOLV MD3



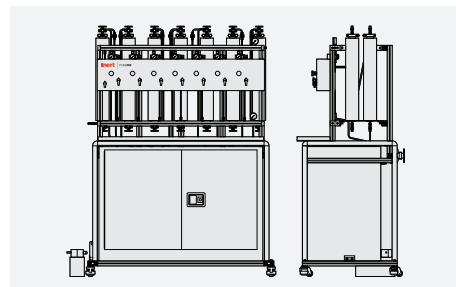
Dimensions:
947.4 mm W x 835.7 mm D x 1945.9 mm H

PURESOLV MD5



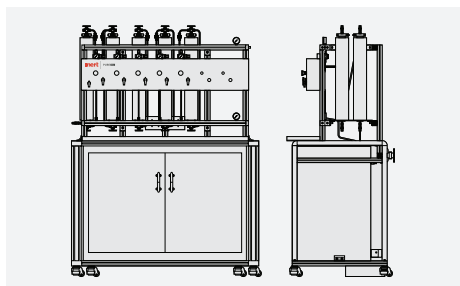
Dimensions:
1267.5 mm W x 835.7 mm D x 1945.9 mm H

PURESOLV MD7



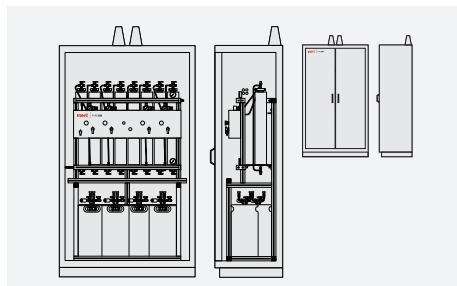
Dimensions:
1610.4 mm W x 835.7 mm D x 1945.9 mm H

PURESOLV EN 1-7 BASE



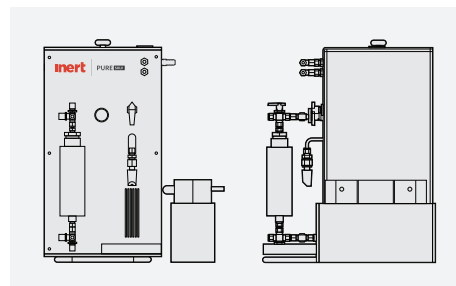
Dimensions:
1455.4 mm W x 932.2 mm D x 1945.9 mm H

PURESOLV EN 1-4 ENCLOSED



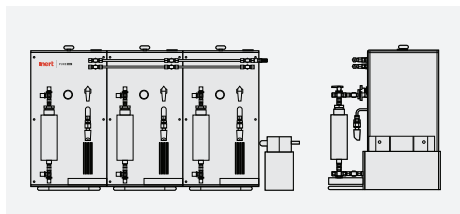
Dimensions:
2500 mm W x 780 mm D x 900 mm H

MICRO



Dimensions:
302.3 mm W x 439.4 mm D x 566.4 mm H

MICRO MULTI



Dimensions:
302.3 mm W x 439.4 mm D x 566.4 mm H

DESIGN OPTIONS

- PS-MD-3 Platform available with 1-3 Solvents
- PS-MD-5 Platform available with 1-5 Solvents
- PS-MD-7 Platform available with 1-7 Solvents
- Glovebox Integration
- Bench Top Design
- Fume Hood Design
- Dispensing Joint Options
- Custom Glassware
- Other Customizations

SPECIFICATIONS

Frame: Extruded aluminum

Vacuum manifold: Integrated in frame

Inert gas manifold: Integrated in frame

Main system Pressure relief : 70 psi

Electrical ground: Fully bonded system

Copper plate for attachment to building ground

Retractable grounding reel for solvent reservoir filling

Dispensing:

Evacuate/Refill/Dispense: 5-way valve for ease of use and safety

Eliminates possibility of dispensing solvent into the vacuum pump

Solvent metering valve: Stainless steel needle valve

Collection flask inert gas refill: Individual low pressure regulator

7psi pressure relief valve

Check valve

Collection flask connection joint: Stainless steel 24/40 is standard. Other sizes available.

Horizontal clamping post for collection flask: Height adjustable

Drying Columns :

PS-MD – All Permutations

Dual purifying column design:

Drying columns: 4" (101mm) OD x 25" (635mm) L

Internal Volume: 1 US gallon (4L)

PS-Micro – All Permutations

Single purifying column design:

Drying columns: 2.5" (63.5mm) OD x 7.0" (177.8mm) L

Internal Volume: (0.5L)

Inlet/Outlet Valves: 3-way 1/4" stainless steel. Allows easy troubleshooting

Drying capacity:

PS-MD – All Permutations: 800L based on HPLC grade solvent

PS-Micro – All Permutations: 80L based on HPLC grade solvent

Particle filter: Stainless steel, 7 micron

Solvent Reservoir:

PS-MD – All Permutations

304 Stainless Steel

17L Volume

PS-Micro – All Permutations

304 Stainless Steel

4L Volume

Flammable storage cabinet: Integrated in the lower section of the system frame

Vacuum pump: Solid Teflon and Kalrez for maximum solvent compatibility

2, 4 and 6 Solvent Systems are also available.

OPTIONS

- Karl Fischer Titrator
- Air Free Glassware
- Stainless Steel 14/20 Tapered Joint
- Stainless Steel 19/24 Tapered Joint
- Stainless Steel 24/29 Tapered Joint
- Stainless Steel 24/40 Tapered Joint
- Stainless Steel 29/32 Tapered Joint
- Stainless Steel 28/12 Ball Joint with O-Ring
- Luer Lock Needle Adapter
- Quick Disconnect Adapter
- Column Regeneration Kits
- Copper Columns

AVAILABLE SOLVENTS

Aromatic & Aliphatic Hydrocarbons

- Pentane
- Hexane
- Cyclo-Hexane
- Heptane
- Toluene
- Benzene
- Ethers
- Diethyl Ether
- THF
- DME

Chlorinated Solvents

- Dichloromethane
- Chloroform
- Chlorobenzene
- Amines
- Triethylamine
- Pyridine
- Diisopropylethylamine

Alcohols

- Methanol
- Ethanol

Other Common Solvents

- Acetonitrile
- DMF
- DMSO

Note: This list of solvents is not exhaustive. Other analogous compounds are available upon request.