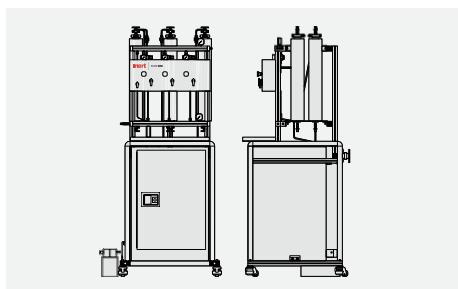




Inert Solvent Purification Systems enable you to work quickly and safely. These systems are safe alternatives to thermal distillation, reducing risk of injury to your staff or fire damage to your lab. They allow for air-free collection of ultra-dry and de-oxygenated solvents, while eliminating cross-diffusion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

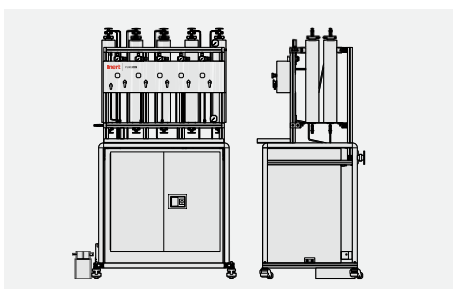
## PURESOLV MD3



### Dimensions:

947.4 mm W x 835.7 mm D x 1945.9 mm H

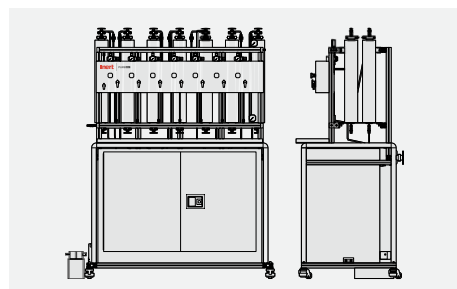
## PURESOLV MD5



### Dimensions:

1267.5 mm W x 835.7 mm D x 1945.9 mm H

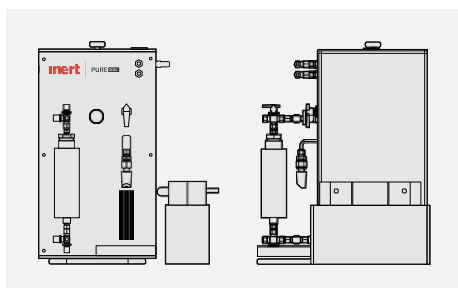
## PURESOLV MD7



### Dimensions:

1610.4 mm W x 835.7 mm D x 1945.9 mm H

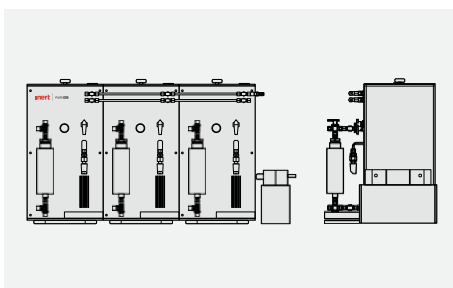
## MICRO



### 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

7 psi 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 ¼ " 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

**(Optional) Solvent Reservoir:**

**PS-MD-All Permutations:**

304 Stainless Steel

17L Volume

**PS-Micro-All Permutations:**

304 Stainless Steel

4L Volume

**(Optional) Flammable storage cabinet:** Integrated in the lower section of the system frame

**(Optional) Vacuum pump:** Solid Teflon and Kalrez for maximum solvent compatibility

**2,4 and 6 Solvent Systems are also available.**

**Approvals:**



## OPTIONS

- Stainless Steel 14/20 Tapered Joint
- Stainless Steel 19/24 Tapered Joint
- Stainless Steel 24/29 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

## COMPATIBLE SOLVENTS

### Aromatic & Aliphatic Hydrocarbons

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

### Chlorinated Solvents

- Dichloromethane
- Chloroform
- Chlorobenzene

### Amines

- Triethylamine
- Pyridine
- Diisopropylethylamine

### Other Common Solvents

- Acetonitrile
- DMF
- DMSO

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

