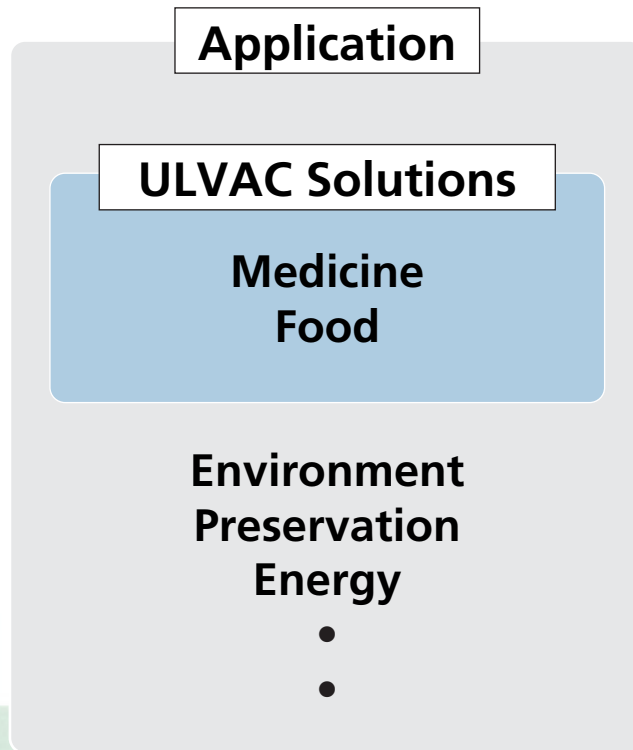
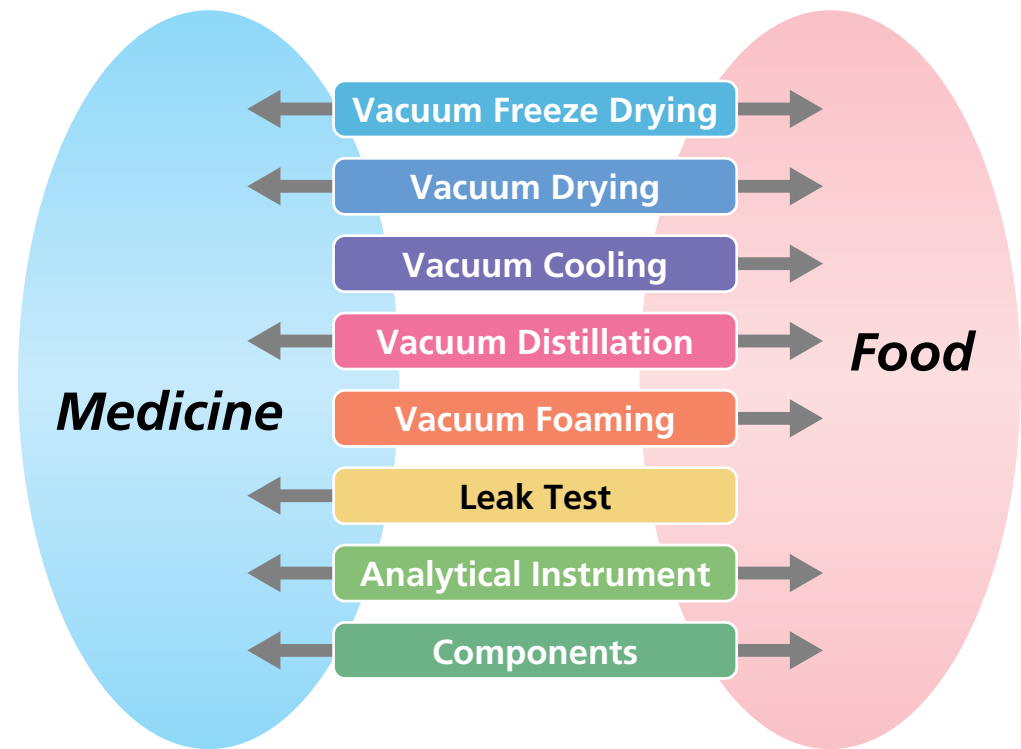


- Life Science is science and technology that research human life, and apply the knowledge to various fields.



● Life Science and Vacuum Technology



Systems

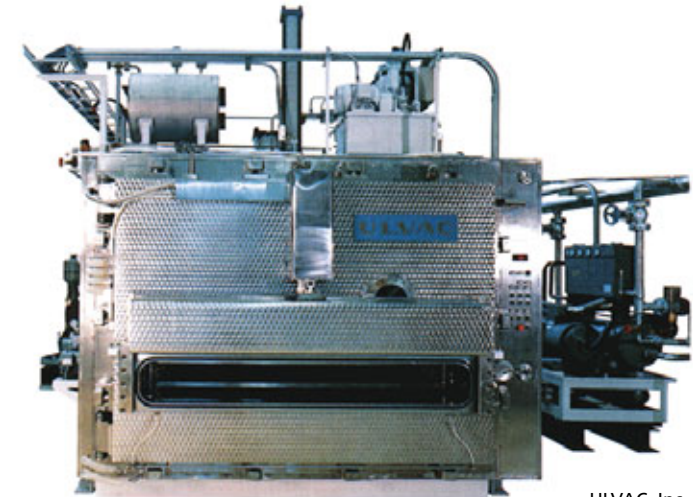
Vacuum Freeze Dryer
DF-M Series
 For small production



ULVAC, Inc.

- Shelf: 0.5 ~ 2.3 m²
- Same functions equipped as mass production system
- Compact Size
- Suitable for small production and research & development of medicines

Vacuum Freeze Dryer
DFB Series
 For production



ULVAC, Inc.

- Shelf: 0.3 ~ 40 m²
- Applicable to vial, ample, etc.
- Designed and manufactured with consideration for GMP, FDA (Delivered more than 300 system)

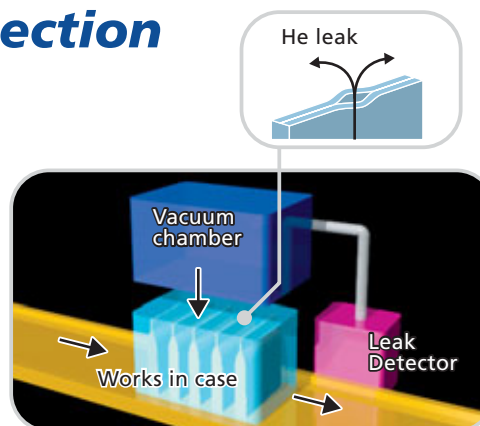
* GMP (Good Manufacturing Practice)
 FDA (Food and Drug Administration)

Components

Pin-hole Inspection System

Features

- Whole products inspection available
- Applicable to 50 μm pin-hole inspection in beat seal area
- For production of high quality medicine



ULVAC, Inc.

Spectrometry System: PHI TRIFT III

Features

- Molecular level uniformity analysis
- Measurement of a rugged cross section of insulator

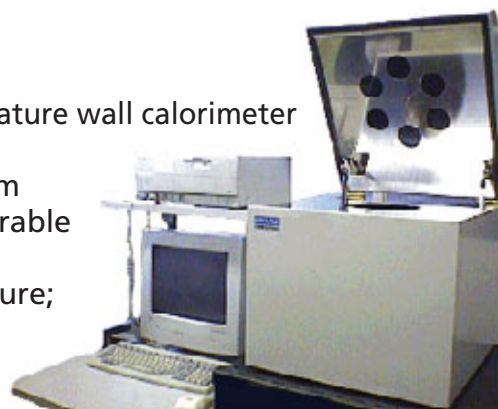


ULVAC-PHI, Inc.

Microorganism activity calorimeter

Specifications

- Multi-constant temperature wall calorimeter
- Measurable amount; Glass vial ø 35 x 65 mm
- 9 ~ 24 samples measurable at the same time
- Measurable temperature; 50 ~ 60 C°



ULVAC-RIKO, Inc.

Vacuum pumping System: VPT-030

Features

- Clean vacuum by dry pumping system, consisting turbo molecular vacuum pump (0.026m³/s) and a diaphragm vacuum pump (0.42m³/h)
- Cooling water not required as being air cooling type (460W)
- Compact size and power saving type



ULVAC KICO, Inc.