

Cryo Pump & Trap



Advanced Power Saving, Quick Regeneration & Versatile Multiple Operation

Intelligent Power Control

**Minimum Energy Consumption
Reduce Total Utility Costs**

- Powerful & Economical Operation**

50% less Electrical Power & Cooling Water Consumption compared with Conventional type

Example:
approx. 1 kwh / 8" Cryo Pump at 5 multi-operation

Advanced Multiple Operation

**Fully Integrated Solution
provided by Cryo Navi III**

- Flexible Pump Combination up to 6 pumps or 9 traps on Single Compressor**
- Allows Simple System Design**
- Automatic Control & Monitoring**

Maximum Uptime, Reliability & Safety

- Quick Regeneration & Startup ... more than 200% Faster** than Conventional type
- Self Internal Heating Mechanism**
- High Pumping Capacity by Optimal Panel Design**

Broad Lineup for Critical process demands, Size from 4" (trap) and 8" to 22" pump inlet.



POWER ECO 3.0 System



Helium Cooling

Environment-friendly Technology

Cool down to -100 °C

Air Cooled

- No Water**
- No Liquid Nitrogen**

PFC Free

V-080R
Cooling Module

V-080LT In-Line Trap



All in One Compact Package

- Easy Installation**
- Various Options**

Low Power Consumption
approx. 90W

Free Piston Stirling Cooler



Improve Pumping Performance

Downsize Pumping System

Reduce Total Operation Cost

Improve Productivity in Broad Application

Plasma Ashing
RTP
Leak Test
Load Lock
Vacuum Drying