# Chemical Resistant Diaphragm Pump

Chemical corrosion resistant pumps are widely used in vacuum drying, vacuum concentration, rotary evaporation, vacuum distillation, centrifugal acceleration, solid phase extraction and other fields; solution filters and dust filters are optional



HVP-1.2



HVP-1.2B

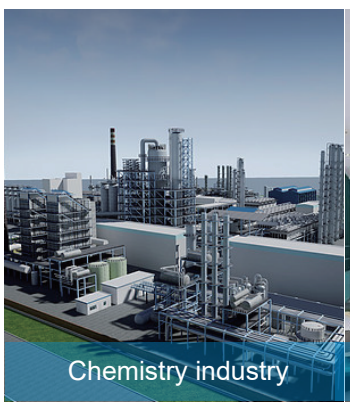
## Product Features

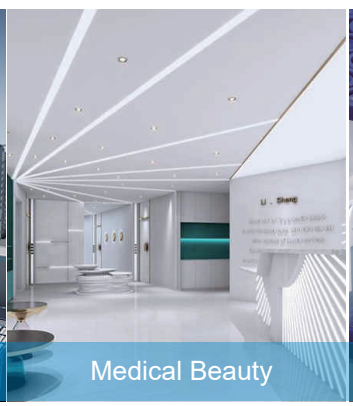
- Original imported accessories, stable and reliable;
- Easy maintenance and repair;
- Stable vacuum, easy to control pumping speed;
- Small size and light weight;
- Complete chemical resistance;
- Continuously for long time working.

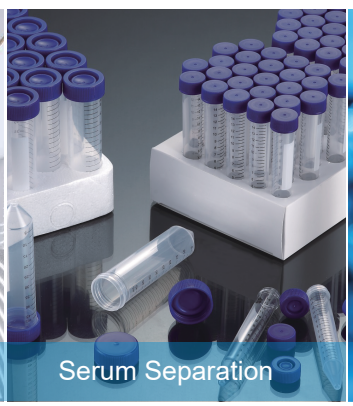
## Technical Parameters

| Model | HVP-1.2 | HVP-1.2B |
|---|---|---|
| Item No. | 1012021001 | 1012022001 |
| Pumping Speed (m³/h) | 1.2（20L/min） | 1.2（20L/min） |
| Ultimate Vacuum(mbar) | ≤2（0.0002Mpa） | ≤2（0.0002Mpa） |
| Frequency Conversion Speed | Rated 1400 rpm | Rated 1400 rpm |
| Safety Function | Dual-value capacitor motor | Dual-value capacitor motor |
| Pumping Head | 1 | 1 |
| Rated Power(W) | 80 | 80 |
| Displacing Valve | FFKM | FFKM |
| Diaphragm | Sandwich structure PTFE | Sandwich structure PTFE |
| Inlet/Outlet | PTFE | PTFE |
| Fitting | PTFE、PDVF | PTFE、PDVF |
| Inlet Plate | Carbon fiber reinforced ECTFE | Carbon fiber reinforced ECTFE |
| Cavity/Diaphragm Clamping Disc | Hard anodized and Teflon treated | Hard anodized and Teflon treated |
| Interface(mm) | 10mmpagoda interface | 10mmpagoda interface |
| Overall Dimensions(mm) | 315*144*215 | 315*144*215 |
| Packaging Dimensions(mm) | 405*245*290 | 405*245*290 (main unit), 220*145*105 (solvent filter set) |
| NW(kg) | 7 | 8 |
| Standard | / | Adjustable pressure solvent filter set (stainless steel vacuum gauge*1 +solution filter*1+three-way cover*1+vacuum regulating valve*1) |

## Application Field






## Application

With rotary evaporator



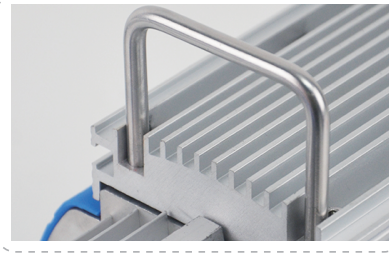
With glass reactor



## Advantages



Silencer, reduce noise about 20dB

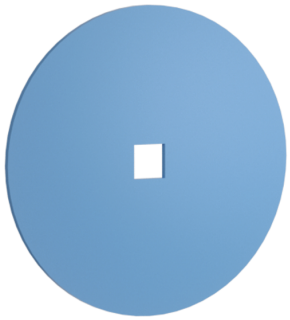


Metal handle, easy to take and solid




Overload protection,
automatic power-off protection

### Sandwich structure PTFE diaphragm



Special technology, core components, imported from Germany

Lower replacement cost, more convenient procurement, cheaper price

### Solvent filter



Purpose: Protect the body

1.When the sample humidity is high, prevent the liquid from being directly pumped into the pump.

2.When the sample is corrosive, such as hydrochloric acid gas, filter cotton can be placed in the bottle (outside the inner core and inside the transparent shell). When the gas passes through, it will be neutralized, and the gas drawn into the pump will not be so corrosive.

Oil pressure shockproof vacuum gauge

In a vibrating environment, it is almost unaffected by the external environment