

Diaphragm Vacuum Pumps



KVP-series



▶ KVP-D200-VP



▶ Filtering scheme

Features

- The product could work without any medium and does not produce pollution. The gas exchange room is placed with filtering material, to ensure that the air is clean.
- New material and new technology are adopted in production. It is convenient to move, and work smoothly, thus ensuring the ideal vacuum degree and higher air velocity.
- Using frictionless membrane body movement, does not produce heat, no friction consumption, Imported rubber diaphragm has corrosion resistance and long service life
- Automatic cooling exhaust system is designed in the body, Ensures continuous operation 24 hours a day.
- The pressure adjustable design can satisfy a certain range of vacuum and gas velocity.

Application

- Vacuum adsorption
- Solvent filtration
- Vacuum distillation
- Vacuum drying
- Compressing and converting gas

▶ Optional accessories (page 2,3,4)

Specifications



| Model | KVP-S250-VP | KVP-S200-V | KVP-D50-V | KVP-S200-VP | KVP-D50II-V | KVP-D200-VP |
|------------------------|-------------------|----------------|----------------|-------------------|----------------|-------------------|
| Ident. No. | K821010 | K821011 | K821012 | K821013 | K821014 | K821015 |
| Pumping speed (L/min) | 15 | 20 | 20 | 30 | 30 | 60 |
| Ultimate Pressure | ≥0.075 Mpa | ≥0.08 Mpa | ≥0.095 Mpa | ≥0.08 Mpa | ≥0.095 Mpa | ≥0.08 Mpa |
| Ultimate Vacuum | 250 mbar | 200 mbar | 50 mbar | 200 mbar | 50 mbar | 200 mbar |
| Motor Power (W) | | 160 | 160 | 160 | 160 | 160 |
| Pressure | ≥30 Psi | - | - | ≥30 Psi | - | ≥30 Psi |
| Inlet (mm) | Ø 6 | Ø 6 | Ø 6 | Ø 6 | Ø 6 | Ø 6 |
| Outlet (mm) | Ø 6 | Silencer | Silencer | Ø 6 | Silencer | Ø 6 |
| Pump Head | Nylon | 1 | 2 | 1 | 2 | 2 |
| Noise Level (dB) | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 |
| Temp of the body (°C) | < 55 | < 55 | < 55 | < 55 | < 55 | < 55 |
| Dimensions (L x B x H) | 195x98x156 mm | 215x120x235 mm | 300x120x235 mm | 210x160x235 mm | 300x120x235 mm | 300x160x235 mm |
| Weight | 4 kg | 7.5 kg | 7.5 kg | 8 kg | 10 kg | 10 kg |
| Diaphragm | - | NBR | NBR | NBR | NBR | NBR |
| Valves | - | NBR | NBR | NBR | NBR | NBR |
| Function | Vacuum & Pressure | Vacuum | Vacuum | Vacuum & Pressure | Vacuum | Vacuum & Pressure |

Diaphragm Vacuum Pumps

Accessories



Solvent Filter



▶ T-50 (1L)



▶ T-50 (2L)

Features

This product is made of high-quality extra hard glass. It is sparkling and crystal-clear. Its thickness is even. The performance of withstanding voltage and its leakproofness is very good, and its size agrees with the international standard size. Therefore, it can be used for sterilization at high temperature and high pressure. It is mainly used in the filtration of HPLC mobile phase and has the function of outgas to guarantee the clean of mobile phase and avoid the blockage of HPLC liquid flow path.

Specifications

| Model | T-50, 1L | T-50, 2L | T-50, PTFE |
|----------------------------|--------------|--------------|--------------|
| Ident. No. | K821022 | K821024 | K821023 |
| Funnel | 300 ml | 500 ml | 300 ml |
| Aperture of Filter | 50 mm | 60 mm | 50 mm |
| Pore Size of Filter | 10 μm | 10 μm | 20 μm |
| Material of support screen | Pyrex glass | Pyrex glass | PTFE |
| Receiving Bottle | 1,000 ml | 2,000 ml | 1000 ml |
| Suitable Membrane | Ø 47 or Ø 50 | Ø 60 or Ø 58 | Ø 47 or Ø 50 |

Manidolds Vacuum Holder



▶ 3-branch



▶ 6-branch

Components

- All glass funnel (300ml)
- PTFE support screen (Pore Size:20μm)
- Stainless steel holder (STS 316L)
- PTFE valve
- Clamp of aluminum alloy

Features

It is particular designed and produced for several sample filtration at the same time because each filter holder has individual control valve. It is more flexible and convenient. Three or six sample can be tested at the same time, it greatly improves efficiency.

Specifications

| Model | 1-branch | 1-branch | 3-branch | 6-branch | 3-branch | 6-branch |
|---------------------------|--------------|-----------------|-----------------|-----------------|--------------|--------------|
| Ident. No. | K821029 | K821030 | K821031 | K821032 | K821033 | K821034 |
| Funnel | 300ml Glass | SS316L | SS316L | SS316L | 300ml Glass | 300ml Glass |
| Valve | PTFE | PTFE | PTFE | PTFE | PTFE | PTFE |
| Support Screen &Pore Size | PTFE, 20 μm | SS316L, 100 μm | SS316L, 100 μm | SS316L, 100 μm | PTFE, 20 μm | PTFE, 20 μm |
| Connection | Ground Joint | Silicon Stopper | Silicon Stopper | Silicon Stopper | Ground Joint | Ground Joint |
| Holder | SS316L | SS316L | SS316L | SS316L | SS316L | SS316L |

Diaphragm Vacuum Pumps

Accessories

NEW

Syringe Filter



► Syringe Filter

Applications

Syringe filters are a cost-effective way to improve the quality of HPLC analysis, improve consistency, extend column life and reduce maintenance. By removing particulates before the sample enters the column, Jinteng syringe filters allow unimpeded flow. Without particulates to create obstructions, your column will work more efficiently and last longer.

- Small volume venting
- HPLC sample preparation
- Removal of protein precipitates
- Routine QC analysis
- Dissolution testing

Specifications

| Model | Ident. No. | Unit | Membrane |
|---------------|------------|------------|----------|
| Ø 13, 0.45 µm | K821035 | 100 pieces | PTFE |
| Ø 25, 0.45 µm | K821036 | 100 pieces | PTFE |
| Ø 13, 0.22 µm | K821037 | 100 pieces | PES |
| Ø 13, 0.45 µm | K821038 | 100 pieces | PES |
| Ø 13, 0.22 µm | K821039 | 100 pieces | Nylon66 |
| Ø 13, 0.45 µm | K821040 | 100 pieces | Nylon66 |
| Ø 13, 0.22 µm | K821041 | 100 pieces | PVDF |
| Ø 13, 0.45 µm | K821042 | 100 pieces | PVDF |
| Ø 25, 0.22 µm | K821043 | 100 pieces | PES |
| Ø 25, 0.45 µm | K821044 | 100 pieces | PES |
| Ø 25, 0.22 µm | K821045 | 100 pieces | Nylon6 |
| Ø 25, 0.45 µm | K821046 | 100 pieces | Nylon6 |
| Ø 25, 0.22 µm | K821047 | 100 pieces | Nylon66 |
| Ø 25, 0.45 µm | K821048 | 100 pieces | Nylon66 |
| Ø 25, 0.22 µm | K821049 | 100 pieces | PVDF |
| Ø 25, 0.45 µm | K821050 | 100 pieces | PVDF |
| Ø 13, 0.22 µm | K821051 | 100 pieces | PTFE |
| Ø 25, 0.22 µm | K821052 | 100 pieces | PTFE |
| Ø 13, 0.8 µm | K821053 | 100 pieces | PES |
| Ø 13, 0.8 µm | K821054 | 100 pieces | Nylon66 |
| Ø 25, 0.8 µm | K821055 | 100 pieces | PES |
| Ø 25, 0.8 µm | K821056 | 100 pieces | Nylon6 |

Diaphragm Vacuum Pumps

Accessories

NEW

Membrane Filter



Membrane Filter

Features

The microporous membrane filter is mainly used for the filtration of mobile phase and samples during the chromatographic analysis, especially for preventing chromatographic column and infusion pump line system and sample valve from pollution. They are widely used for gravimetric analysis, microanalysis, colloid separation and sterility test. The filter membrane made of different materials, such as polyethersulfone (PES), nylon6, Nylon66, MCE and polytetrafluoroethylene (PTFE), PVDF etc. can be provided.

Applications

- Protein and enzyme filtration, sterilization
- Biological fluid filtration sterilization
- Tissue culture media sterilization
- Diagnostic cytology
- Receptor binding studies
- Enhanced recovery of fastidious gram positive organisms

Specifications

| Model | Ident. No. | Unit | Material |
|-------------------|------------|------------|----------|
| Ø 60, 0.22 µm | K821057 | 100 pieces | Nylon6 |
| Ø 60, 0.45 µm | K821058 | 100 pieces | Nylon6 |
| Ø 60, 0.22 µm | K821059 | 100 pieces | MCE |
| Ø 60, 0.45 µm | K821060 | 100 pieces | MCE |
| Ø 50, 0.45 µm | K821061 | 100 pieces | PTFE |
| Ø 50, 0.22 µm | K821062 | 100 pieces | MCE |
| Ø 50, 0.45/0.8 µm | K821063 | 100 pieces | MCE |
| Ø 50, 0.45 µm | K821064 | 100 pieces | PES |
| Ø 50, 0.8 µm | K821065 | 100 pieces | PES |
| Ø 50, 0.22 µm | K821066 | 100 pieces | Nylon6 |
| Ø 50, 0.45 µm | K821067 | 100 pieces | Nylon6 |
| Ø 50, 0.22 µm | K821068 | 100 pieces | Nylon66 |
| Ø 50, 0.45 µm | K821069 | 100 pieces | Nylon66 |
| Ø 50, 0.22 µm | K821070 | 100 pieces | PVDF |
| Ø 50, 0.45 µm | K821071 | 100 pieces | PVDF |
| Ø 47, 0.45 µm | K821072 | 100 pieces | PES |
| Ø 47, 0.8 µm | K821073 | 100 pieces | PES |
| Ø 47, 0.45 µm | K821074 | 100 pieces | Nylon6 |
| Ø 47, 0.45 µm | K821075 | 100 pieces | PTFE |
| Ø 47, 0.45 µm | K821076 | 100 pieces | PVDF |
| Ø 47, 0.22 µm | K821077 | 100 pieces | PVDF |
| Ø 47, 0.45 µm | K821078 | 100 pieces | Nylon66 |
| Ø 47, 0.22 µm | K821079 | 100 pieces | Nylon66 |
| Ø 47, 0.45 µm | K821080 | 100 pieces | MCE |
| Ø 47, 0.22 µm | K821081 | 100 pieces | MCE |
| Ø 47, 0.22 µm | K821082 | 100 pieces | Nylon6 |
| Ø 50, 0.45 µm | K821083 | 100 pieces | PP |
| Ø 50, 0.22 µm | K821084 | 100 pieces | PES |
| Ø 13, 0.22 µm | K821085 | 100 pieces | PES |
| Ø 13, 0.45 µm | K821086 | 100 pieces | PES |
| Ø 13, 0.22 µm | K821087 | 100 pieces | Nylon66 |

| Model | Ident. No. | Unit | Material |
|----------------|------------|------------|----------|
| Ø 13, 0.45 µm | K821088 | 100 pieces | Nylon66 |
| Ø 13, 0.22 µm | K821089 | 100 pieces | PTFE |
| Ø 13, 0.45 µm | K821090 | 100 pieces | PTFE |
| Ø 13, 0.22 µm | K821091 | 100 pieces | PVDF |
| Ø 13, 0.45 µm | K821092 | 100 pieces | PVDF |
| Ø 25, 0.22 µm | K821093 | 100 pieces | MCE |
| Ø 25, 0.45 µm | K821094 | 100 pieces | MCE |
| Ø 25, 0.8 µm | K821095 | 100 pieces | MCE |
| Ø 25, 0.22 µm | K821096 | 100 pieces | PES |
| Ø 25, 0.45 µm | K821097 | 100 pieces | PES |
| Ø 25, 0.8 µm | K821098 | 100 pieces | PES |
| Ø 25, 0.22 µm | K821099 | 100 pieces | Nylon6 |
| Ø 25, 0.45 µm | K821100 | 100 pieces | Nylon6 |
| Ø 25, 0.22 µm | K821101 | 100 pieces | PTFE |
| Ø 25, 0.45 µm | K821102 | 100 pieces | PTFE |
| Ø 25, 0.22 µm | K821103 | 100 pieces | PVDF |
| Ø 25, 0.45 µm | K821104 | 100 pieces | PVDF |
| Ø 100, 0.22 µm | K821105 | 100 pieces | Nylon6 |
| Ø 100, 0.45 µm | K821106 | 100 pieces | Nylon6 |
| Ø 100, 0.22 µm | K821107 | 100 pieces | MCE |
| Ø 100, 0.45 µm | K821108 | 100 pieces | MCE |
| Ø 150, 0.22 µm | K821109 | 100 pieces | MCE |
| Ø 150, 0.45 µm | K821110 | 100 pieces | MCE |
| Ø 150, 0.22 µm | K821111 | 100 pieces | Nylon6 |
| Ø 150, 0.45 µm | K821112 | 100 pieces | Nylon6 |
| Ø 300, 0.22 µm | K821113 | 100 pieces | MCE |
| Ø 300, 0.45 µm | K821114 | 100 pieces | MCE |
| Ø 300, 0.22 µm | K821115 | 100 pieces | Nylon6 |
| Ø 300, 0.45 µm | K821116 | 100 pieces | Nylon6 |
| Ø 300, 0.22 µm | K821117 | 100 pieces | PTFE |
| Ø 300, 0.45 µm | K821118 | 100 pieces | PTFE |