

## Medical Vacuum Station

### Description

Medical Vacuum is an essential requirement of the supply system for medical gases in hospitals. Inspital develops and manufactures fully automatic, stable and highly reliable vacuum stations which are used to aspirate fluids in the operating theatres, from ICU and regular patient rooms.

### Features

- The pipeline system is designed to maintain a vacuum of at least 300 mmHg (40 kPa) at each terminal unit
- Station is fully controlled by PLC system. This system enables equal aging of vacuum pumps which means a much longer operating life time
- Protected by bacterial filters
- Equipped with lubricated rotary vane vacuum pumps
- Quantities of the vessels are relative with Capacity of the system , which is suitable with HM 02-01
- With the exception of the vacuum discharge to atmosphere, Inspital constructed the pipeline distribution system for vacuum has traditionally from main material as copper.
- The Medical Vacuum Station system is 'duplexed', when the single fault conditions appears the system still can maintain continuous supply.

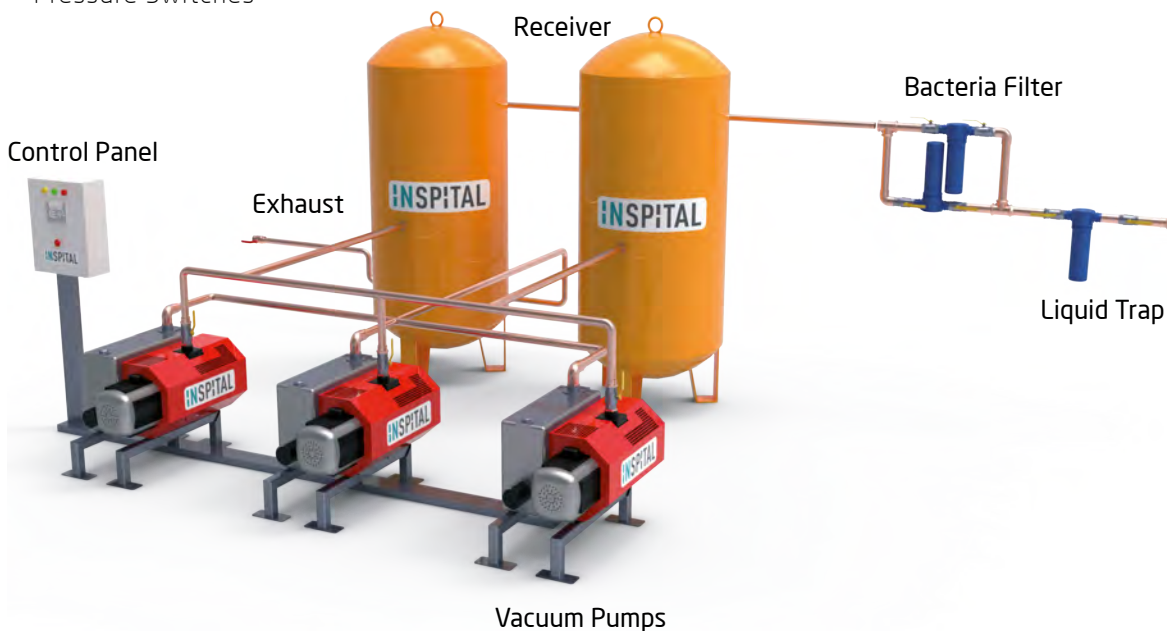


### Classification

- Inspital Medical Vacuum Plants are designed and manufactured in compliance with HTM 02-01, HTM 2022, MDD 93/42/EEC, EN ISO 7396-1 and C11 standards.

### Standart Equipment

- Vacuum Pumps
- Control Panel
- Bacteria Filter
- Liquid Trap
- Exhaust
- Receiver
- Pressure Switches



## VAC Plus Vertical - Central Vacuum Station

### Description

Inspital develops and manufactures fully automatic, stable and highly reliable vacuum stations, which are used to aspirate fluids in the operating theatres, from ICU and regular patient rooms.

### Classification

• Inspital Medical Vacuum Plants are designed and manufactured in keeping with HTM 02-01, HTM 2022, MDD 93/42/EEC, EN ISO 7396-1 standards.

### Features

- Designed to be used for central vacuum systems in operating theatres, ICUs, emergencies and laboratories of hospitals
- Longer lifetime of the pumps with PLC control panel.
- Compact and modular design
- Medical type high efficiency bacteria filters
- Lubricated rotary vane vacuum pumps
- Sliding shelves enables easy access for maintenance
- According to number of bed of the hospital the tank capacity and pump numerr are customisable.
- Simple to operate

### Standart Equipment

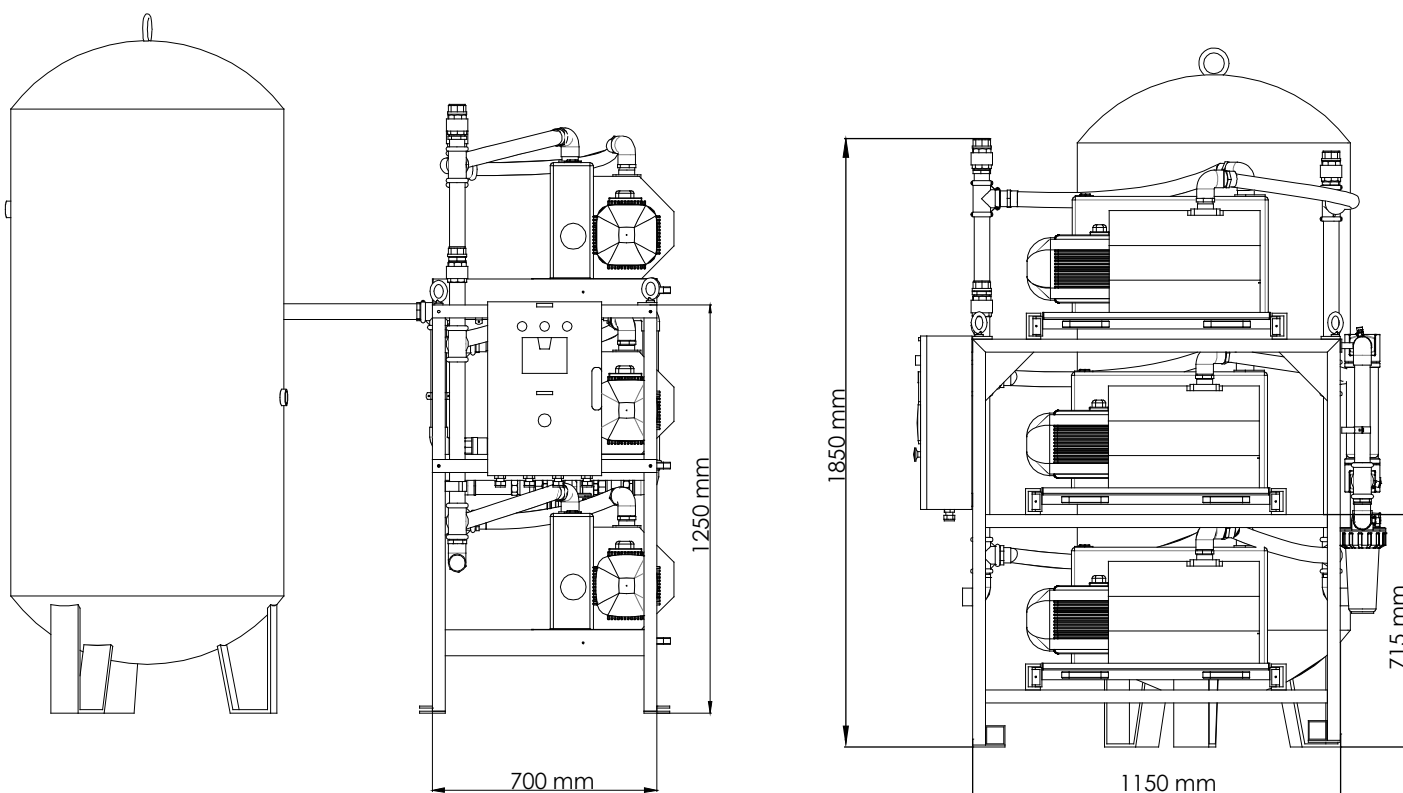
- Vacuum Pumps
- Control Panel
- Vacuum Tank
- Bacteria Filter
- Liquid Trap
- PVC pipeline system



| Model No                                    | VK40.02 | VK40.03 | VK40.04 | VK40.05 | VK40.06 | VK40.07 |
|---|---------|---------|---------|---------|---------|---------|
| System Capacity (m <sup>3</sup> /h) (50 hz) | 47x2    | 47x3    | 100x2   | 100x3   | 200x2   | 200x3   |
| Power (kW) (50 Hz)                          | 1,10x2  | 1,10x3  | 2,20x2  | 2,20x3  | 4,00x2  | 4,00x2  |
| Pump Qty.                                   | 2       | 3       | 2       | 3       | 2       | 3       |
| Tank Capacity (L)                           | 500     | 500     | 1000    | 1000    | 1500    | 1500    |
| Bactery Filter Qty                          | 1 pc    | 1 pc    | 1 pc    | 2 pc    | 2 pc    | 2 pc    |
| Liquid Trap                                 | 1 pc    | 1 pc    | 1 pc    | 1 pc    | 1 pc    | 2 pc    |
| Inlet hose dia.                             | 1"      | 1"      | 1"1/4   | 1"1/4   | 2"      | 2"      |
| Outlet hose dia.                            | 1"      | 1"      | 1"1/2   | 1"1/2   | 2"      | 2"      |
| Bed Qty.                                    | 70      | 50-90   | 90-180  | 150-200 | 160-300 | 160-350 |

## VAC Plus Vertical - Central Vacuum Station

### Technical Drawing



## VAC Plus Compact - Central Vacuum Station

### Description

Medical Vacuum is an essential requirement of the supply system for medical gases in hospitals. Inspital develops and manufactures fully automatic, stable and highly reliable vacuum stations which are used to aspirate fluids in the operating theatres, from ICU and regular patient rooms.

### Classification

• Inspital Medical Vacuum Plants are designed and manufactured in compliance with HTM 02-01, HTM 2022, MDD 93/42/EEC, EN ISO 7396-1 standards.

### Features

- Designed to stand alone assemblies with all components and filters mounted on a single horizontal vessel
- PLC controlled full automatic system
- Compact tank top design
- Suitable for low height medical gas plant rooms
- Medical type high efficiency bacteria filters
- Lubricated rotary vane vacuum pumps
- PVC pipeline system
- Specially design by Inspital with ease installation

### Standart Equipment

- Vacuum Pumps
- Control Panel
- Vacuum Tank
- Bacteria Filter
- Liquid Trap
- PVC Pipes



| Model No                     | VK40.08 | VK40.09 | VK40.10 | VK40.11 | VK40.12 | VK40.13 |
|------------------------------|---------|---------|---------|---------|---------|---------|
| System Capacity (m3/h (50hz) | 47x2    | 47x3    | 100x2   | 100x3   | 200x2   | 200x3   |
| Power (kW) (50 Hz)           | 1,10x2  | 1,10x3  | 2,20x2  | 2,20x3  | 4,8x2   | 4,8x3   |
| Pump Qty.                    | 2       | 3       | 2       | 3       | 2       | 3       |
| Tank Capacity                | 500     | 500     | 1000    | 1000    | 1000    | 1000    |
| Bactery Filter Qty.          | 1 pc    | 1 pc    | 1 pc    | 2 pcs   | 2 pcs   | 2 pcs   |
| Liquid Trap                  | 1 pc    | 1 pc    | 1 pc    | 1 pc    | 1 pc    | 1 pc    |
| PLC Qty.                     | 1       | 1       | 1       | 1       | 1       | 1       |
| Inlet hose dia.              | 1"      | 1"      | 1"1/4   | 1"1/4   | 2"      | 2"      |
| Outlet hose dia.             | 1"      | 1"      | 1"1/2   | 1"1/2   | 2"      | 2"      |
| Bed Qty.                     | 70      | 50-90   | 90-180  | 150-200 | 160-300 | 160-350 |



## VAC Plus Compact- Central Vacuum Station

### Technical Drawing

