

Medical Vacuum Plant

The WTK Central Medical Vacuum Supply System is used to provide reliable and continuous suction in different departments of a hospital, such as Operation Theatres, Intensive, Coronary and Neonatal Care Units, Delivery and Emergency Departments and also patient wards.

WTK Medical Vacuum Plants are designed to meet the requirement of MS2675-1 / HTM2022 / HTM02-01, C11 and EN737 and types of Medical Vacuum Plants are determined based on the circulation and requirements of the flow requirements. Electrical Requirement depending upon the country used and all internal electrical wiring and cable connections are in accordance to IEE wiring regulations.



Compact Design

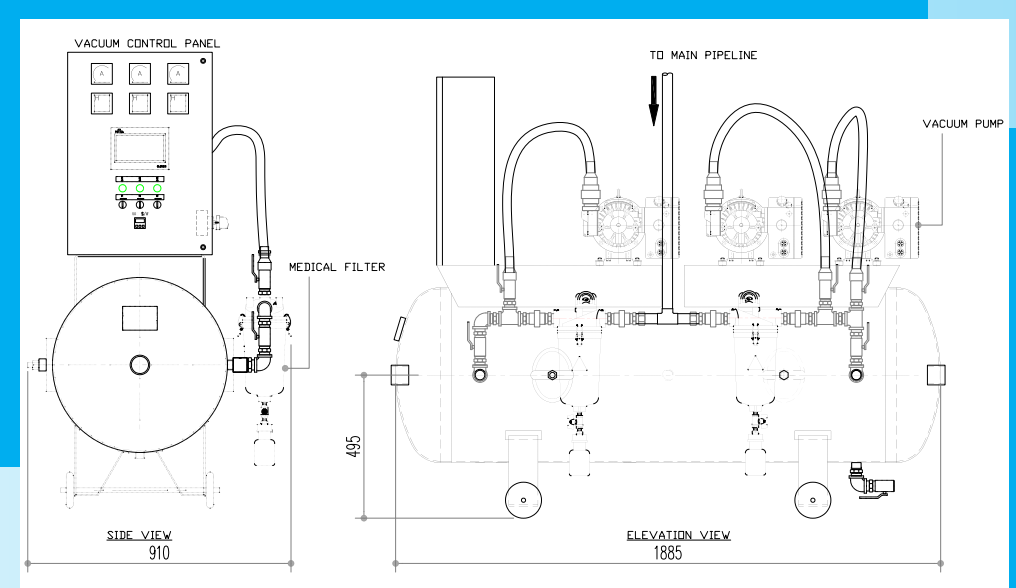


Description

WTK is offering Medical Vacuum Pumps that are manufactured in EU/USA/Japan as oil lubricated and oil free rotary types or revolutionary vacuum pumps. The Medical Vacuum Plant consists of Vacuum Pumps (Oil Lubricated, Oil free or Oil free closed loop water ring types), Bacteria Filter Group, Electrical Control Panel, Non-return Valves and Connection Pipes and Vacuum Reservoir.

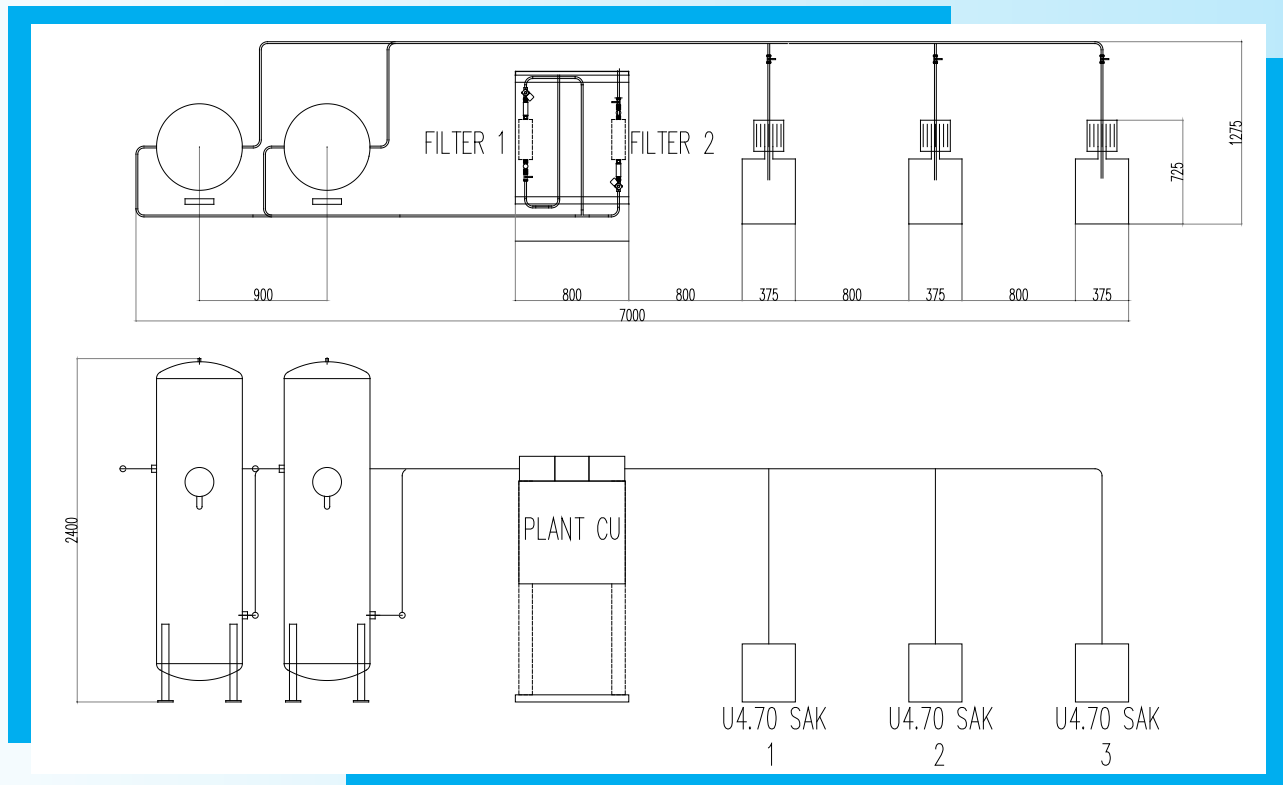
1. A choice of capacity for Vacuum Pumps is available from 16 to 630 m³/hr.
2. A choice of Vacuum Pump power is available from 0.55 to 15 kW.

Electrical control panel has been designed to control the plant up to maximum 4 vacuum pumps (or more depending on design requirement) and operate and protect the electrical systems.



Innovative Design in Medical Engineering

Typical Layout Of Medical Vacuum Plant



Technical Specification

MS 2675-1:2017 Medical gas systems
HTM 2022:1997/HTM02-01 – Medical Gas Pipeline system
HTM 2020 – Electrical Safety Low Voltage System
C11 – NHS Estates Model Engineering Specification
EN737-3: 1998 – Medical Gas Pipeline System
EN ISO 7396-1 – Medical gas pipeline systems

Designation : WT26000 Medical Vacuum
Configuration : Duplex / Triplex / Quaduplex
Dimension : Varies
Components : Vacuum Pump / Control Panel / Filters / Receivers
Electronics : Touchscreen Monitor with PLC control
Power Rating : 415VAC 3 Phase input, 50/60 Hz

Model Number

MODEL	FLOW LPM	KW	FUSE / COMP	H (mm)	L (mm)	D (mm)
DUPLEX (MS2675-1 / HTM2022 / HTM 02-01)						
WT27001	260	2X0.55	10 A	1100	1250	500
WT27002	600	2X1.5	10 A	1450	1750	850
WT27003	1050	2X2.4	16 A	1625	1900	1100
WT27004	1450	2X2.4	16 A	1625	1900	1100
WT27005	2450	2X4.0	25 A	1800	1950	1250
WT27006	2750	2X5.5	32 A	1900	2150	1350
WT27007	3700	2X7.5	50 A	2200	3550	1500
WT27008	6000	2X11.0	63 A	2750	4500	1650
WT27009	9800	2X15.0	80 A	3500	4500	1900

MODEL	FLOW LPM	KW	FUSE / COMP	H (mm)	L (mm)	D (mm)
TRIPLEX (MS2675-1 / HTM2022)						
WT27021	520	3X0.55	10 A	1100	2250	500
WT27022	1200	3X1.5	10 A	1450	2750	850
WT27023	2150	3X2.4	16 A	1625	2900	1100
WT27024	2900	3X2.4	16 A	1625	2900	1100
WT27025	4900	3X4.0	25 A	1800	2950	1250
WT27026	5550	3X5.5	32 A	1900	3150	1350
WT27027	7440	3X7.5	50 A	2200	4550	1500
WT27028	12000	3X11.0	63 A	2750	5500	1650
WT27029	19600	3X15.0	80 A	3500	5500	1900

MODEL	FLOW LPM	KW	FUSE / COMP	H (mm)	L (mm)	D (mm)
TRIPLEX (HTM 02-01)						
WT27041	260	3X0.55	10 A	1100	2250	500
WT27042	600	3X1.5	10 A	1450	2750	850
WT27043	1050	3X2.4	16 A	1625	2900	1100
WT27044	1450	3X2.4	16 A	1625	2900	1100
WT27045	2450	3X4.0	25 A	1800	2950	1250
WT27046	2750	3X5.5	32 A	1900	3150	1350
WT27047	3700	3X7.5	50 A	2200	4550	1500
WT27048	6000	3X11.0	63 A	2750	5500	1650
WT27049	9800	3X15.0	80 A	3500	5500	1900

MODEL	FLOW LPM	KW	FUSE / COMP	H (mm)	L (mm)	D (mm)
QUADUPLEX						
WT27061	520	4X0.55	10 A	1100	3250	500
WT27062	1200	4X1.5	10 A	1450	3750	850
WT27063	2150	4X2.4	16 A	1625	3900	1100
WT27064	2900	4X2.4	16 A	1625	3900	1100
WT27065	4900	4X4.0	25 A	1800	3950	1250
WT27066	5550	4X5.5	32 A	1900	4150	1350
WT27067	7440	4X7.5	50 A	2200	5550	1500
WT27068	12000	4X11.0	63 A	2750	6500	1650
WT27069	19600	4X15.0	80 A	3500	6500	1900