



sysadvance®

MEDICAL VACUUM SYSTEM



VacuumSYS M®

MEDICAL VacuumSYS M®

MEDICAL VACUUM STANDARDS

EN ISO 7396-1 standard defines medical vacuum as a medical fluid. SYSADVANCE medical vacuum systems are medical devices certified according to MDD 93/42/EEC - Class IIa. They also comply with the most demanding standards and regulations such as HTM 02-01 and HTM 2022. Sysadvance QMS is certified according to ISO 13485.

MEDICAL VACUUM APPLICATIONS

VacuumSys M is intended to be used in hospitals attending several medical applications, in OR and ICU, and procedures (negative-pressure wound therapy – NPWT – removal of excess blood during surgery, drainage, etc.).



ADVANTAGES



EASY AND QUICK INSTALLATION



COMPACT SYSTEM



QUALITY COMPONENTS



ENERGY EFFICIENT



INTELLIGENT SWITCH AND ROTATION OF VACUUM PUMPS



LOCAL AND REMOTE ALARMS



CERTIFICATION
- CERTIFIED MEDICAL VACUUM ACCORDING TO
MEDICAL DEVICES DIRECTIVE 93/42/EEC

VACUUM PUMP TECHNOLOGY

ROTARY VANE – DRY or LUBRICATED

With rotary positive displacement. Pumping system consists of a housing, an eccentrically installed rotor and vanes that move radially, displacing the air from the inlet to the outlet.

Economic, with high ultimate vacuum.



DRY CLAW

Two claws turning in opposite directions in a housing, separated from one another by a minimum gap. The intake air is compressed by the special geometrical form of the claws and expelled at the delivery connection on the end. **Low maintenance, high reliability.**

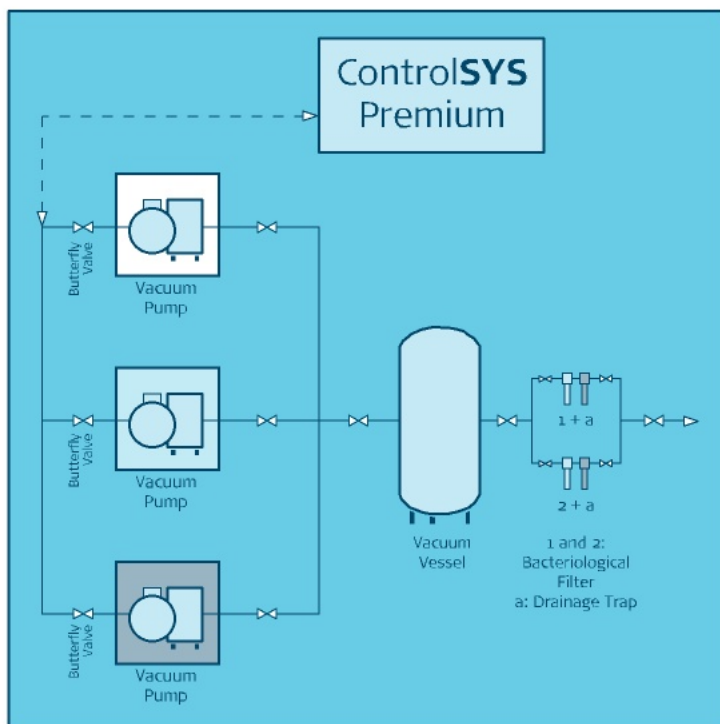


CONTROL AND FILTER TECHNOLOGY

- Galvanized vacuum vessel with a wide range of volumes;
- Double filtration – medical vacuum sterile filters with drain jar;
- Fully automated and controlled by PLC;
- Intelligent control system – automatic management of vacuum pumps order of operations for an equitable distribution of working hours;
- Local and remote alarms via GPRS (optional).

INSTALLATION OPTIONS IN ACCORDANCE WITH THE STANDARD:

EN ISO 7396-1 - Medical gas pipeline systems



SPECIFICATIONS

MODEL	Pump Capacity (m ³ /h) @ 400 mbar	Ultimate Pressure mbar	Nominal Power p/ Pump kW	Vessel Capacity l
VacuumSYS 25 M	25	0,1	0,75	250
VacuumSYS 40 M	40	0,1	1,1	250
VacuumSYS 63 M	63	0,1	1,5	500
VacuumSYS 100 M	100	0,1	2,2	500
VacuumSYS 160 M	160	0,1	4	1000
VacuumSYS 200 M	200	0,1	4	1000
VacuumSYS 250 M	250	0,1	5,5	1000
VacuumSYS 300 M	300	0,1	5,5	2000
VacuumSYS 400 M	400	0,1	11	2000
VacuumSYS 500 M	500	0,1	11	2000
VacuumSYS 9 M Dry	9	150	0,37	250
VacuumSYS 14 M Dry	14	150	0,55	250
VacuumSYS 22 M Dry	22	120	0,9	250
VacuumSYS 38 M Dry	38	120	1,25	250
VacuumSYS 55 M Dry	55	60	1,1	500
VacuumSYS 72 M Dry	72	60	1,5	500
VacuumSYS 95 M Dry	95	60	2,2	500
VacuumSYS 125 M Dry	125	60	3	500
VacuumSYS 140 M Dry	140	60	3	500
VacuumSYS 180 M Dry	180	100	4	1000
VacuumSYS 225 M Dry	225	100	4,5	1000
VacuumSYS 270 M Dry	270	150	5,5	1000

ADVANTAGES OF FULL SYSTEM CERTIFICATION

*** Sysadvance designs and installs Vacuum Air Systems to produce according to EN ISO 7396-1, HTM 02-01 and HTM 2022.**

*** Full system certification includes:**

- Dimensioning and specification;
- Manufacturing;
- Full test and factory validation;
- As-built layout and P&ID;
- Installation, start-up and training;
- On-site validation;
- Certified maintenance program.

Sysadvance system certification provides health care facilities with Medical Vacuum quality and security of supply under EN ISO 7396-1, HTM 02-01 and HTM 2022 requirements.

SYSADVANCE develops and manufactures equipments for gas separation and supplies integrated solutions for gases and compressed air, such as N2 Generators, O2 Generators, Medical Oxygen 93 Generators, Biogas Upgrading systems, O2 VSA Generators, Helium, Hydrogen and SF6 Purification and custom engineering solutions.

Since its foundation in 2002, the company has experienced significant and continuous growth, as a result of its customer satisfaction oriented strategy as well as its superior technology and reliability of the products and technologies delivered.

With highly qualified technical personnel and a strong R&D culture, **SYSADVANCE** strives to deliver state-of-the-art technology to its clients in more than 40 countries, in different industries and sectors of activity.

