



PRODUCT DESCRIPTION:

Automatic vacuum systems TRIPLEX UNI EN ISO 7396-1.

CPA triple pump vacuum systems are primarily used as vacuum systems for hospital applications. These groups have been developed to meet the specifications required by UNI EN ISO 7396-1 standards and the standard version consists of the following parts:

- Three lubricated vacuum pumps complete with electric motor and exhaust filter on exhaust side. Pumps are fitted on a vertical support, so as to make the system as compact as possible;
- A vertical airtight painted tank made of welded steel, complete with condensate drainage valve and by-pass system for isolating it from the system;
- Three built-in check valve on suction side of the pump to maintain vacuum in the tank when pump is halted;
- Three FCM cartridge filter to protect the pump from drawing in any impure matters that may be within the system;
- A ball valve on suction side of each pump allows for it to be isolated for maintenance.
- A ball valve fitted on the tank fitting to isolate it from the system.
- A single electric control panel for operating the three pumps, comprising:
 - ❖ A main section managed by PLC, complete with a general disconnecting switch, emergency button, amperometric protection and terminal board for remote signals, which allows the start and operation of the three pumps manually or automatically along with all the setting operations and control of the operating parameters.
 - ❖ A secondary section for controlling the operation of the emergency pump complete with a general disconnecting switch, emergency button, amperometric protection (fuse) and selector for setting the manual or automatic operation of the pump connected to it.



- Absolute pressure sensor on tank;
- A vacuum gauge on the tank, for monitoring the vacuum level inside it.
- An emergency vacuum switch on the tank, electrically connected to the secondary section of the control panel that manages the emergency pump for its automatic operation (start/stop) in the event of an individual breakdown;
- A vacuum switch for insufficient vacuum alarm to be installed between the vacuum system and the user system;
- A manually controlled ball valve, on the tank coupling, to isolate the whole unit from the system.

Upon request, for automatic vacuum systems for hospital use, a wide range of accessories is available, including a series of antibacterial filtering units with a by-pass system, to be assembled between the ball valve for isolating the vacuum system from the user system, as envisaged by UNI EN ISO 7396-1 legislation.

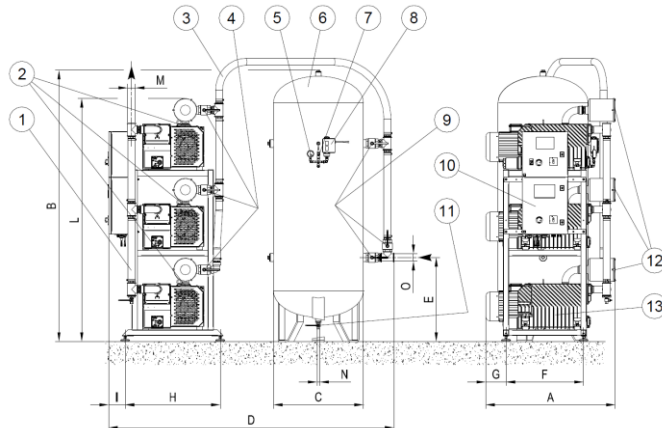
All components are painted and mounted to make up a compact, reliable unit.

	Catalog code	Pump type	Tank capacity dm ³	Inlet capacity		Total final press. (Abs) mbar hPa	Motor power		Weight kg [N]	Antibacterial filter
				m ³ /h			(3~) kW			
				50Hz	60Hz		50Hz	60Hz		
CPA 3Hx25/300V	9306023	3x LC 25	300*	75	87	10	3x 0,75	3x 0,90	260 [2550,6]	GFB.51
CPA 3Hx25/500V	9306024	3x LC 25	500*	75	87	10	3x 0,75	3x 0,90	320 [3139,2]	GFB.51
CPA 3Hx40/500V	9306037	3x LC 40	500*	120	144	10	3x 1,1	3x 1,35	435 [4267,3]	GFB.80
CPA 3Hx60/500V	9306038	3x LC 60	500*	180	225	10	3x 1,5	3x 1,8	450 [4414,5]	GFB.80
CPA 3Hx106/500V	9306039	3x LC 106	500*	318	///	10	3x 2,2**	///	560 [5493,6]	GFB.121
CPA 3Hx106/500V	9306049	3x LC 106	500*	318	///	10	3x 2,2***	///	540 [5297,4]	GFB.121
CPA 3Hx106/1000V	9306040	3x LC 106	1000*	318	///	10	3x 2,2**	///	620 [6082,2]	GFB.121
CPA 3Hx106/1000V	9306050	3x LC 106	1000*	318	///	10	3x 2,2***	///	600 [5886]	GFB.121
CPA 3Hx151/1000V	9306041	3x LC 151	1000*	453	///	10	3x 3,3**	///	640 [6278,4]	GFB.201
CPA 3Hx151/1000V	9306051	3x LC 151	1000*	453	///	10	3x 3,3***	///	640 [6278,4]	GFB.201
CPA 3Hx205/1000V	9306030	3x LC 205	1000*	615	///	10	3x 5,5**	///	870 [8534,7]	GFB.201
CPA 3Hx205/1000V	9306045	3x LC 205	1000*	615	///	10	3x 5,5***	///	900 [8829]	GFB.201
CPA 3Hx305/1000V	9306031	3x LC 305	1000*	915	///	10	3x 7,5**	///	930 [9123,3]	GFB.201
CPA 3Hx305/1000V	9306043	3x LC 305	1000*	915	///	10	3x 7,5***	///	900 [8829]	GFB.201

(*) Vertical tank.

(**) IE2 efficiency motor. (***) IE3 efficiency motor.

Subject to change without prior notice



Tank by-pass valve	1
Condensate drain valve	2
Non-return valve	3
Reinforced PVC hose	4
Vacuum pump	5
Filter	6
Tank	7
Switch-board	8
Vacuum gauge and switch	9
Separator vacuum pump valve	10
Shock mounts	11

Dimensions	A	B	C	D	E	F	G	H	I	L	M	N	O
CPA 3Hx25/300V	750	1680	500	1820	610	670	40	550	245	1410	1/2"G	1/2"G	1"G
CPA 3Hx25/500V	750	2140	600	1810	710	670	40	550	245	1410	1/2"G	1/2"G	1"G
CPA 3Hx40/500V	780	2140	600	2000	710	670	40	550	245	1575	1-1/4"G	1/2"G	1-1/2"G
CPA 3Hx60/500V	815	2140	600	2000	710	670	40	550	245	1560	1-1/4"G	1/2"G	1-1/2"G
CPA 3Hx106/500V	885	2140	600	2500	710	670	110	550	245	1605	1-1/4"G	1/2"G	1-1/2"G
CPA 3Hx106/1000V	885	2380	790	2500	740	670	110	550	245	1605	1-1/4"G	1/2"G	1-1/2"G
CPA 3Hx151/1000V	900	2380	790	2500	740	670	130	550	245	1605	1-1/4"G	1/2"G	2"G
CPA 3Hx205/1000V	1070	2380	790	2500	740	680	110	835	145	2130	2"G	1/2"G	2"G
CPA 3Hx305/1000V	1140	2380	790	2500	740	680	180	835	145	2130	2"G	1/2"G	2"G