

Vacuum Pump





Oil lubricated vacuum pump

COVP is a compact oil lubricated vacuum pump series, ready for connection and operation. The main electrical motor is directly connected to the pumping module with a flexible coupling to reduce the power loss. This rotary vane vacuum pump operates with continuous oil recirculation. It is robust, reliable and guaranteed by **AIR24**.

From the size of COVP154 is fitted with oil cooler to regulate the optimal oil temperature in the whole oil system. Our pumps are equipped with a suction valve which also works as a non return valve. To protect the pump and system by electrical shut off. COVP pumps are fitted with an oil tank which is the first coarse separator and the place of coalescing oil filtration, with air/oil separator filter or filters, mainly depend from the size of the pump. This separated oil is recirculated back into the oil system from the separation chamber.

COVP rotary vane vacuum pumps operate 24 hours a day 7 days of the week. Its electric motors are 1 and 3 phase versions operation of water steam polluted system we recomend the B series with its 10 mbar final vacuum level and save the oil quality as well. The COVP range are fitted with gasballast system for adding extra fresh air into the compression chamber and oil from contaminated water and gas.

COVP vacuum pump volume flow range is between 28 and 835 m³/hour, final vacuum is 0,5 or 10 mbar (abs.) depending on type of the model.



COVP28-38-46-65-106 vacuum pump



COVP28-106

Type	COVP28	COVP38	COVP46	COVP65	COVP106
Air24 Item	9002100001	9002100002	9002100003	9002100004	9002100005
ph	3ph	3ph	3ph	3ph	3ph
Capacity (m³/h)	28	38	46	65	106
Final pressure (mbar)	0,5	0,5	0,5	0,5	0,5
Voltage (V)	230-400	230-400	230-400	230-400	230-400
Power (KW)	0,75	1,1	1,1	1,5	2,2
Rotation speed (1/min)	900	1450	1450	1450	1450
Sound level (dB)	68	67	67	68	69
Connection (In)	1,1/4 - 1,1/4	1,1/4 - 1,1/4	1,1/4 - 1,1/4	1,1/4 - 1,1/4	1,1/2 - 1,1/2
Size WxLxH (mm)	342x635x283	342x635x283	342x635x283	342x643x283	435x765x320
Weight (Kg)	57	61	61	64	92
Oil filling (Litre)	2	2	2	2	3



COVP154 vacuum pump



COVP154

Type	COVP154
Air24 Item	9002100006
ph	3ph
Capacity (m³/h)	154
Final pressure (mbar)	0,5
Voltage (V)	230-400
Power (KW)	3
Rotation speed (1/min)	1450
Sound level (dB)	71
Connection (In)	1,1/2 - 1,1/2
Size WxLxH (mm)	436x805x320
Weight (Kg)	104
Oil filling (Litre)	3



COVP 200-260-300-360 vacuum pump



COVP200-360

Type	COVP200	COVP260	COVP300	COVP360
Air24 Item	9002100007	9002100008	9002100009	9002100010
ph	3ph	3ph	3ph	3ph
Capacity (m³/h)	200	260	300	360
Final pressure (mbar)	0,5	0,5	0,5	0,5
Voltage (V)	230-400	400-690	400-690	400-690
Power (KW)	4	5,5	5,5	7,5
Rotation speed (1/min)	1450	1450	1450	1450
Sound level (dB)	72	73	74	76
Connection (In)	2 - 2	2 - 2	2 - 2	2 - 2
Size WxLxH (mm)	570x1106x555	570x1130x555	570x1130x555	570x1230x555
Weight (Kg)	190	190	200	210
Oil filling (Litre)	8	8	8	8



COVP 418-528-627-696 vacuum pump



COVP 418-696

Type	COVP418	COVP528	COVP628	COVP696
Air24 Item	9002100011	9002100012	9002100013	9002100014
ph	3ph	3ph	3ph	3ph
Capacity (m³/h)	418	528	627	696
Final pressure (mbar)	0,5	0,5	0,5	0,5
Voltage (V)	400-690	400-690	400-690	400-690
Power (KW)	9,2	11	15	15
Rotation speed (1/min)	1450	1450	1450	1450
Sound level (dB)	78	79	82	83
Connection (In)	3 - 4	3 - 4	3 - 4	3 - 4
Size WxLxH (mm)	760x1540x700	760x1590x700	760x1605x700	760x1605x700
Weight (Kg)	390	415	445	445
Oil filling (Litre)	16	16	16	16

Vacuum Pump





Oil sealed vacuum pump

CDVP oil sealed vacuum pump with a considerable series of volume flow, in the high vacuum range. This two stage vacuum pump represents the most advanced vacuum technology, compact, competitive design for various applications. It is economic and energy efficient. CDVP oil sealed vacuum pumps are fitted with a gasballast valve and a robust suction - check (non return) valve for safe operation of sudden power loses and back flows. These pumps are built with large oil sight glass for proper quality and level control of vacuum oil.

The electrical motor is connected with flexible coupling to the CDVP high vacuum rotary vane vacuum pump module and fitted with vibration dampers. Fully compact design and modern two stage vacuum pump.

Comprehensive product line with a large volume flow range from 5 up to 90 m³/hour in the small range and it can increase up to 540 m³/h pur in the new developed larger CDVP S series with an 4x10e-3 mbar (abs) final pressure.

There are a lot of accessories available For CDVP oil sealed vacuum pump.
Some special futures: Low noise level, low vibration, 1 or 3 phase models are available, built-in oil pump and forced lubrication, high pumping speed, easy oil level control from the front side.

Our oil sealed vacuum pumps used for: Refrigeration and air conditioning system, spectrometry, drying, coating, metallurgy, semiconductors and laboratory.



CDVP5-10-20-30-50 vacuum pump



CDVP 5-270

Type	CDVP 5	CDVP10	CDVP 20	CDVP 30	CDVP 50
Air24 Item	9002400001	9002400002	9002400003	9002400004	9002400005
ph	3ph	3ph	3ph	3ph	3ph
Capacity (m³/h)	5	10	20	30	50
Final pressure (mbar)	4x10-3	4x10-3	4x10-3	4x10-3	4x10-3
Power (KW)	0,4	0,4	0,75	0,75	4,5
Rotation speed (1/min)	1450	1450	1450	1450	1450
Sound level (dB)	50	50	52	52	56
Connection (In)	25 KF - 25 KF	25 KF - 25 KF	25 KF - 25 KF	25 KF - 25 KF	40 KF - 40 KF
Size WxLxH (mm)	170x454x261	170x479x261	210x543x297	210x576x297	250x709x387
Weight (Kg)	21	22,5	38	41	68
Oil filling (Litre)	1,1	1,2	2,0	2,3	4,5



CDVP 75-120-180-270 vacuum pump



CDVP 5-270

Vacuum Pump



Type	CDVP 75	CDVP 120	CDVP 180	CDVP 270
Air24 Item	9002400006	9002400007	9002400008	9002400009
ph	3ph	3ph	3ph	3ph
Capacity (m³/h)	75	120	180	270
Final pressure (mbar)	4x10-3	4x10-3	4x10-3	4x10-3
Power (KW)	2,2	3.7	5.5	7.5
Rotation speed (1/min)	1450	1450	1450	1450
Sound level (dB)	56	-	-	-
Connection (In)	40 KF - 40 KF	ISO63-ISO40	ISO63-ISO40	ISO63-ISO40
Size WxLxH (mm)	280x791x441	320x501x974	400x575x1101	400x645x1179
Weight (Kg)	84	172	290	358
Oil filling (Litre)	6,5	11	16	17



Dry rotary vane vacuum pump

CFVP dry rotary vane vacuum pump with carbone vanes. Compact dry vacuum pump which is ready for operation. This vacuum pump contains an electrical motor which connects to the vacuum generator with a flexible coupling. Small pumps are monoblock types. With this connection the power loss is minimal. Larger pumps are fitted with an air cooler for optimal operation temperature. Dry rotary vane vacuum pump are fitted with self lubricated carbon vanes, robust reliable and quaranteed by **AIR24**.

CFVP vacuum pumps are compact pumps. Several types have built in air filters and a non return check valve for safe operation.

Our dry rotary vane vacuum pumps are built for continuous operation 24/7. They available in 1 and 3 phase motors up to 2,2 kW motor power.

We supply a lot of accessories for this robust and durable series, please just let us know your requirements.

CFVP dry rotary vane vacuum pumps volume flow range is from 4 up to 297 m³/hour, final vacuum is 100 mbar (abs.) depending on the model.



CFVP S4-7 dry rotary vane vacuum pump



CFVP S4-S7

Type	CFVP S4	CFVP S7
Air24 Item	9001300001	9001300002
ph	3ph	3ph
Capacity (m³/h)	4.1	7.6
Over pressure (mbar)	150	150
Voltage (V)	230-400	230-400
Power (KW)	0.18	0.35
Rotation speed (1/min)	-	-
Sound level (dB)	59	60
Connection (In)	1/4	3/8
Size WxLxH (mm)	154x234x151.5	155x244x158
Weight (Kg)	7.5	12



CFVP S10-S40 dry rotary vane vacuum pump

CFVP 107-146 dry rotary vane vacuum pump



CFVP S10-S40

Type	CFVP S10	CFVP S16	CFVP S25	CFVP S40
Air24 Item	9001300003	9001300004	9001300005	9001300006
ph	3ph	3ph	3ph	3ph
Capacity (m³/h)	10	16	25	40
Over pressure (mbar)	150	150	120	120
Voltage (V)	230-400	230-400	230-400	230-400
Power (KW)	0.37	0.55	0.75	1.25
Rotation speed (1/min)	-	-	-	-
Sound level (dB)	58	59	60	65
Connection (In)	1/2	1/2	3/4	3/4
Size WxLxH (mm)	232x465x275	232x490x275	243x555x295	243x630x295
Weight (Kg)	21	24	32	38



CFVP 107-146

Type	CFVP 107	CFVP 146
Air24 Item	9001100006	9001100007
ph	3ph	3ph
Capacity (m³/h)	107	146
Over pressure (mbar)	200	200
Voltage (V)	400-690	400-690
Power (KW)	3	4
Rotation speed (1/min)	1450	1450
Sound level (dB)	77	78
Connection (In)	1,1/2 - 1,1/2	1,1/2 - 1,1/2
Size WxLxH (mm)	395x875x410	395x885x410
Weight (Kg)	120	127



CFVP 197-248 dry rotary vane vacuum pump



CFVP 197-248

Type	CFVP 197	CFVP 248
Air24 Item	9001100008	9001100009
ph	3ph	3ph
Capacity (m³/h)	197	248
Over pressure (mbar)	200	200
Voltage (V)	400-690	400-690
Power (KW)	5,5	7,5
Rotation speed (1/min)	1450	1450
Sound level (dB)	80	81
Connection (In)	2 - 2	2 - 2
Size WxLxH (mm)	610x1095x500	610x1130x500
Weight (Kg)	200	292

Compressor





Dry rotary vane compressor

CFCO compact carbon vane compressor ready for operation. Our dry rotary vane compressor has a monoblock system are build using small components what we could de-sign. This direct drive solution reduces the power loses by the dry rotary vane compressor block for efficient energy usage. Larger series have the direct coupled connection via flexible coupling element. Carbone vane self lubricated system is robust, reliable and guaranteed by **AIR24**.

CFCO High pressure dry rotary vane compressor fitted with compressed air cooler for reducing air temperature at outlet. Some of CFCO compressors are fitted with a non return check valve in order to prevent back flow from the system by shutting off in the event of power loss. Durable and efficient compressors for continuous operation with 1 and 3 phase motors and lots of accessories.

CFCO carbon vane compressors volume flow is from 4 up to 297 m³/hour can reach pressure of 1.5 bar depend on model. This units are ideal for oil free low pressure usage.

These compressors are suitable for: packaging, printing, lifting, glass production.



CFCO S4-S8-S10L compressor



CFCO S4.2-S8



CFCO S10L

Type	CFCO S4.2	CFCO S8	CFCO S10L
Air24 Item	9003300001	9003300002	9003300003
ph	3ph	3ph	3ph
Capacity (m³/h)	4.2	8	10
Over pressure (mbar)	1000	1000	600
Voltage (V)	-	-	-
Power (KW)	0.15	0.35	0.37
Rotation speed (1/min)	-	-	-
Sound level (dB)	58	58	58
Connection (In)	1" 1/4	3/4"	1/2"
Size WxLxH (mm)	154x234x165	155x244x171.5	232x470x275
Weight (Kg)	7.5	12	21

CFCO S10-S40 compressor



CFCO S10-S16

Type	CFCO S10	CFCO S16L	CFCO S16
Air24 Item	9003300003	9003300004	9003300005
ph	3ph	3ph	3ph
Capacity (m³/h)	10	16	16
Over pressure (mbar)	1000	600	1000
Voltage (V)	-	-	-
Power (KW)	0.37	0.55	0.55
Rotation speed (1/min)	-	-	-
Sound level (dB)	58	59	59
Connection (In)	1/2"	1/2"	1/2"
Size WxLxH (mm)	232x470x275	232x495x275	232x495x276
Weight (Kg)	21	24	24



CFCO S25-S40

Type	CFCO S25	CFCO S25	CFCO S40	CFCO S40
Air24 Item	9003300006	9003300007	9003300008	9003300009
ph	3ph	3ph	3ph	3ph
Capacity (m³/h)	25	25	40	40
Over pressure (mbar)	600	1000	600	1000
Voltage (V)	-	-	-	-
Power (KW)	0.75	1.1	1.25	1.85
Rotation speed (1/min)	-	-	-	-
Sound level (dB)	60	60	65	65
Connection (In)	3/4"	3/4"	3/4"	3/4"
Size WxLxH (mm)	243x560x285	311x581x288.5	243x630x285	311x648x288.5
Weight (Kg)	32	32	38	38



CFCO 80-146 compressor



CFCO 80-146

Type	CFCO 80	CFCO 107	CFCO 146
Air24 Item	9003100006	9003100007	9003100008
ph	3ph	3ph	3ph
Capacity (m³/h)	80	107	146
Over pressure (mbar)	1500	1500	1500
Voltage (V)	230 - 400	230 - 400	230 - 400
Power (KW)	4	5,5	7,5
Rotation speed (1/min)	1450	1450	1450
Sound level (dB)			
Connection (In)	1,1/2 - 1,1/2	1,1/2 - 1,1/2	1,1/2 - 1,1/2
Size WxLxH (mm)	395x875x450	395x940x450	395x980x450
Weight (Kg)	145	155	165



CFCO 197-248 compressor



CFCO 197-248

Type	CFCO 197	CFCO 248
Air24 Item	9003100009	9003100010
ph	3ph	3ph
Capacity (m³/h)	197	248
Over pressure (mbar)	1500	1200
Voltage (V)	230 - 400	230 - 400
Power (KW)	9,2	9,2
Rotation speed (1/min)	1450	1450
Sound level (dB)		
Connection (In)	2 - 2	2 - 2
Size WxLxH (mm)	610x1130x500	610x1130x500
Weight (Kg)	200	200

Vacuum & Pressure pump



Vacuum & Pressure pump

CFCV is a compact carbon vane suction/pressure pump. These pumps are popular in the printing industry. Just install and operate. These come fully equipped with all connections, have a flexible coupled electric motor by the larger models and the small types are monoblock pumps. This direct shaft connection reduces motor power loss and saves money.

Self lubricated suction and pressure pumps are robust, reliable competitive price guaranteed by **AIR24**.

CFCV type suction pressure pumps are fitted with air cooler depending from the size of the pump for optimal operating temperature. For safe operation several types are fitted with built in suction filter (air filter) for easy installation and operation.

CFVP dry rotary vane suction/pressure pumps are developed for continuous operation 24/7, available in 1 and 3 phase motors up to 2,2 kW motor power.

We supply a lot of accessories for this robust and durable series, please just let us know your requirements.

CFCV dry rotary vane vacuum pumps volume flow range is from 4 up to 297 m³/hour, final vacuum is 100 mbar (abs.) depend on model model.





CFCV S10-S16-S25C-S40C
Vacuum & Pressure pump



CFCV S10-S35

Type	CFCV S10	CFCV S16	CFCV S25	CFCV S35
Air24 Item	9004300001	9004300002	9004300003	9004300004
ph	3ph	3ph	3ph	3ph
Capacity (m³/h)	10	16	25	35
Over pressure (mbar)	500	500	600	600
Final pressure (mbar)	-500	-500	-600	-600
Voltage (V)				
Power (KW)	0.37	0.55	1.1	1.85
Rotation speed (1/min)	-	-	-	-
Sound level (dB)	56	62	70	70
Connection (In)	1/2"	1/2"	3/4"	3/4"
Size WxLxH (mm)	232x470x275	232x495x275	311x581x288.5	311x648x288.6
Weight (Kg)	30	31	46	52



CFCV 80-100-140-248 Vacuum & Pressure pump



CFCV 80-248

Type	CFCV 80	CFCV 107	CFCV 146	CFCV 197	CFCV 248
Air24 Item	9004100001	9004100002	9004100003	9004100004	9004100005
ph	3ph	3ph	3ph	3ph	3ph
Capacity (m³/h)	80	107	146	197	248
Over pressure (mbar)	600	600	600	500	500
Final pressure (mbar)	-600	-600	-600	-500	-500
Voltage (V)	230-400	400-690	400-691	400-692	400-693
Power (KW)	4	5.5	7.5	7.5	9.2
Rotation speed (1/min)	1450	1450	1450	1450	1450
Sound level (dB)	78	79	79	82	82
Connection (In)	1"1/2	1"1/2	1"1/2	2"	2"
Size WxLxH (mm)	395x875x450	395x940x450	395x980x450	551x1160x500	551x1160x500
Weight (Kg)	155	165	175	212	282

High vacuum roots



High vacuum roots

CRVP is our high vacuum root pump a simple rotary piston pump which is a performance of the dry and oil lubricated backing pumps. CRVP pumps have a wide range of volume flow options and easy to install in systems. We quote this pump with by-pass valve system only. Our high vacuum root pumps have an oil-free working chamber which uses a low amount of oil in the bearing and gear sides. You can use two outlet points on this CRVP for easier installation to any kind of system.

The By-pass valve system is a great solution for starting from atmospheric pressure therefore using less control parts and vacuum gauges or a frequency converter.

CRVP high vacuum root pumps volume flow is from 150 up to 5800 m³/hour, final vacuum is 5x10E-4 mbar (abs.).





CRVP 150-300-600-1200-2400-4800
high vacuum roots



CRVP 150-4800

Type	CRVP 150	CRVP 300	CRVP 600	CRVP 1200	CRVP 2400	CRVP 4800
Air24 Item	9005400001	9005400002	9005400003	9005400004	9005400005	9005400006
ph	3ph	3ph	3ph	3ph	3ph	3ph
Capacity (m³/h)	150	300	600	1200	2400	4800
Max final pressure* (mbar)	5x10 ⁻⁴	5x10 ⁻⁴	5x10 ⁻⁴	5x10 ⁻⁴	5x10 ⁻⁴	5x10 ⁻⁴
Voltage (V)	220-380~420	220-380~420	220-380~420	220-380~420	220-380~420	220-380~420
Power (KW)	0.75	1.1	2.2	3.7	7.5	15
Rotation speed (1/min)	3000	3000	3000	3000	3000	3000
Sound level (dB)						
Connection (In)	63-63	63-63	100-100	160-100	160-160	250-200
Size WxLxH (mm)	257x660x277	257x770x277	316x917x349	375x1059x440	456x1226x553	680x1483x592
Weight (Kg)	87	105	191	296	494	844
Oil filling (Litre)	0.6	0.6	1.6	2.4	4.7	7

* Maximum final pressure in pump system only

Claw vacuum pump





Claw vacuum pump

CCVP is our claw dry and oil free vacuum pump. It has a direct coupled motor with air cooling. It needs just a minimal quantity of oil in both sides bearing and gear housings, there are gears synchronising the two toros in the pump modul. The inlet air needs to be filtered with a simple dry air filtration system, which is consists of disposable paper air filters. Operate of the CCVP claw vacuum pumps is possible with an inverter to control in order volume of constant pressure up to (till) 200 mbar abs.

CCXC model of the claw pump operates as a compressor with up to 1.5 bar pressure and 360 m3/hour volume flow. Fully oil free compressed air for aerators, pneumatical transport and many other, sensitive applications.



CCVP 360/CCXC360 claw vacuum pump



CCVP/CCXC360

Type	CCVP360	CCXC360
Air24 Item	900710001	900710002
ph	3ph	3ph
Capacity (m³/h)	360	360
Final pressure (mbar)	150	1.5
Voltage (V)	400 - 690	400 - 690
Power (KW)	7,5	7,5
Rotation speed (1/min)	3000	-
Sound level (dB)	80	80
Connection (In)	2	2
Size WxLxH (mm)	650x1051x510	650x1051x510
Weight (Kg)	288	288

Scroll vacuum pumps



Scroll vacuum pumps

ANEST IWATA was the first in the world to develop the air-cooled, oil-free, scroll vacuum pumps. ISP scroll vacuum pumps are compact and less noise/vibration emitting than other dry vacuum pumps. Highly valued by customers who need clean vacuum generation, especially in analytical and semiconductor related fields.

ISP scroll vacuum pumps offer a clean environment for its owner, so there is no need worry about waste oils and industrial water. installation is simple because of ISP air cooling system does not require special connections and accessories.

ISP scroll vacuum pumps are suitable for clean processes only. Do not use with explosive, flammable, toxic or corrosive substances or substances which contain chemicals, solvents or particles. ANEST IWATA will not perform maintenance work on pumps which have used hazardous substances. ambient operating temperature is up to 40 degree celsius

Uses:

- Sputtering equipment, Vacuum deposition equipment, Ion plating equipment
- Accelerator, Synchrotron Radiation
- Surface modification, Electron beam process
- Gas recovery devices
- Vacuum equipment
- Leak detectors
- Device handling system
- Vacuum furnace, Heat treatment furnace
- Laboratory use
- Vacuum packaging machine



ISP 50-90-250C-500C-1000 scroll vacuum pumps



ISP-90



ISP-50



ISP-250C



ISP-500C



ISP-1000

Type	ISP-50	ISP-90	ISP-250C	ISP-500C	ISP-1000
Air24 Item	9001500001	9001500002	9001500003	9001500004	9001500005
ph	1-3ph	1-3ph	1-3ph	1-3ph	1-3ph
Capacity (m³/h)	3	5	15	30	60
Pressure (mbar)	1.5x10-1	5x10-2	1.6x10-2	1x10-2	1x10-2
Power (KW)	0.1	0.15	0.4	0.6	1.4
Sound level (dB)	48	52	58	60	67
Connection (In)	25/16	25/16	25/16	40/25	40/40
Size WxLxH (mm)	-	-	-	-	-
Weight (Kg)	12	14	25	44	60





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