

Central Vacuum System - Vacuum pumps

All installations are dimensioned for the specific job and the selection vacuum pump is based on the best suited solution to the specific task taking into account the energy consumption, noiselevel etc.

Flexair has many years of experience in the dimensioning of vacuum pumps and vacuum systems in general and we have therefore built up a vast knowledge about the various conditions that exist within various industries.

For use as a vacuum source in connection with the central vacuum system, is typically used either a so called ring blower for the smaller installations up to 11 kW. and for larger or more demanding tasks, we normally use rotary blowers.

Ring blowers

Ring chamber blowers are characterized by their compact design. The blower housing is made of cast aluminum and is fitted with silencers on both inlet and outlet. Normally the pumps are operated directly by the electric motor and the pumps can be positioned horizontally or vertically. They are reliable and virtually maintenance free. Under normal operating conditions, the bearings etc. have a lifespan of up to 20 000 operating hours. Relatively quiet during operation, but often installed in insulated enclosure partly for noise reduction, but also to protect against external influence. This pump type is suitable for frequency control for energy efficient operation and can therefore also run at 60 Hz. operation and taking advantage of the pump at full capacity.



Vacuum pompe	Power - 50 / 60 Hz.	Max vacuum - 50 / 60 Hz.	Capacity - 50 / 60 Hz.
SCL-K09-MS	5,5 kW. / 6,3 kW.	- 210 mbar / - 150 mbar.	500 m3/t. / 710 m3/t.
SCL-K10-MS	7,5 kW. / 8,7 kW.	- 250 mbar. / - 200 mbar.	675 m3/t. / 825 m3/t.
SCL-K11-MS	11 kW. / 12,7 kW.	- 300 mbar. / - 250 mbar.	800 m3/t. / 1000 m3/t.

Other sizes and types are available on request.

Rotary blowers

Rotary blowers is one the best and most versatile vacuum pumps and is characterized in particular by being able to produce a high operating vacuum and flow for use in more demanding applications. Our blowers are equipped with the latest technology and are very reliable. The vacuum pumps are driven by belts by the electric motor and they are typically built in enclosures for noise reduction. The normal service and inspection of pumps involves checking and changing the drive belts and gearbox oil, usually 1 time per year, depending on operating conditions. Oil is changed easily via drain valves and the vacuum pumps are equipped with automatic belt tension when the belts are changed. The vacuum pump is fitted with a safety filter to protect against major objects getting into the pump if the filter media in the main filter system installed before the vacuum pump rupture. The pump type is suitable for frequency control for energy efficient operation and can also run up to 65 Hz. operation and taking advantage of the pump at full capacity.



Vacuum pompe	Power	Max vacuum	Capacity
WT-150-AV	11 kW.	- 370 mbar	800 m3/t.
WT-280-AV	15 kW.	- 370 mbar.	1200 m3/t.
WT-390-AV	22 kW.	- 400 mbar.	1600 m3/t.

Other sizes and types are available on request.