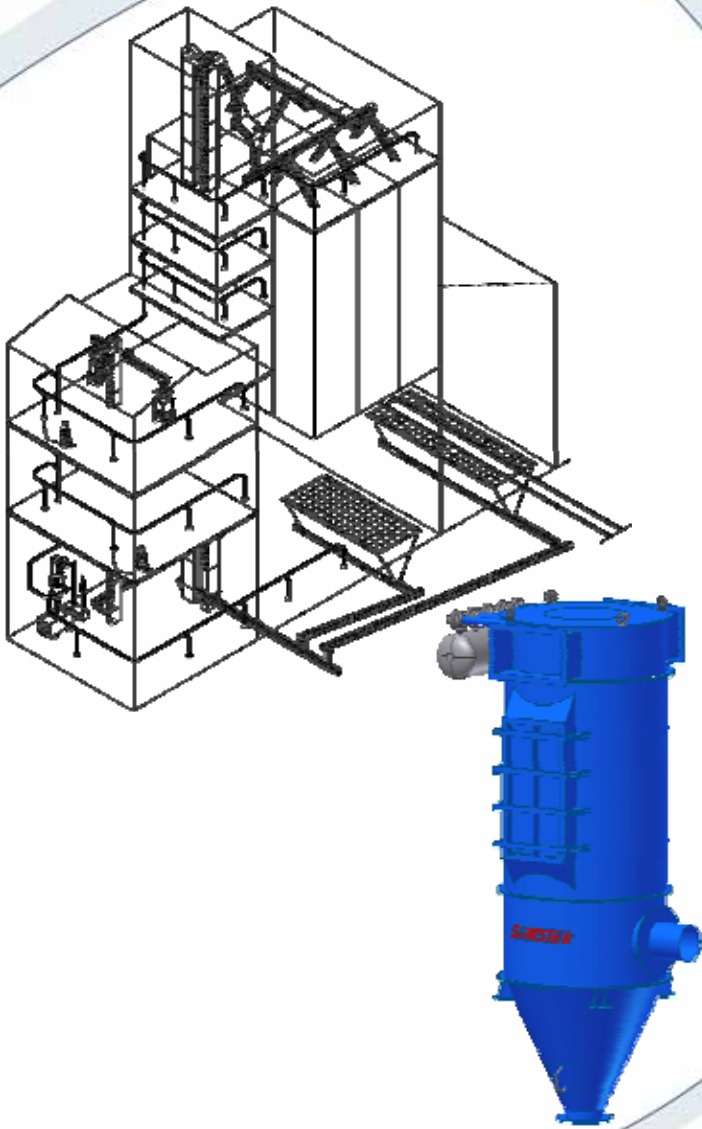


Filter Technology

SimVac
Central Vacuum Cleaning System



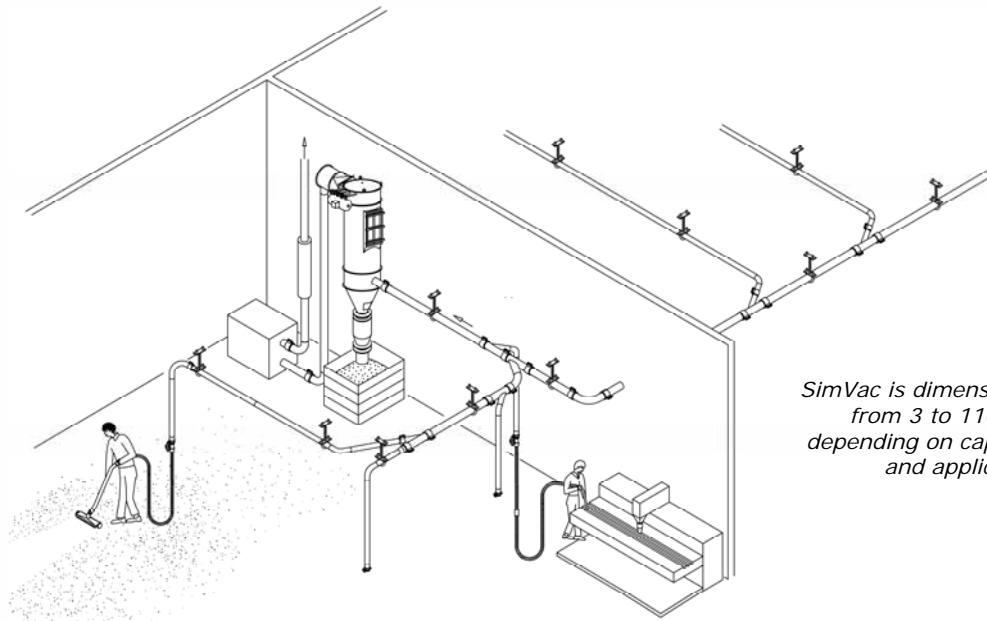
SimVac

Central Vacuum Cleaning System

An overall increasing demand for protection of the indoor environment along with the ATEX Directive 94/9 brings an efficient cleaning of working areas and machinery into focus.

A dusty environment may cause physical discomfort and thereby loss of working days through sickness among the staff; and it has an impact on machinery and buildings as well.

SimVac constitutes an efficient method for dust collection, and the investment is often paid back by saving working hours and improving the employees' motivation to clean the working area; the dust is not repeatedly moved from one place to another, but is dealt with once for all.



SimVac is dimensioned from 3 to 110 kW, depending on capacity and application

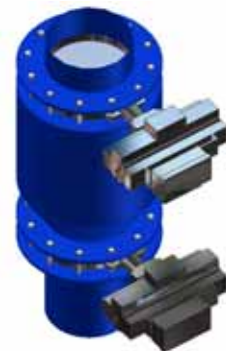
The number and positioning of couplings to the fixed piping system are jointly determined as required for the actual application. A constantly high vacuum and simultaneous operation of suction points facilitate the use of long suction hoses and large mouthpieces.

Through a closed piping system the dusty air is removed from the working area and transferred to the central unit. Here the collected particles are separated in a Simatek pulse-jet filter.

Thanks to a broad-based product range as well as a standardized piping system, SimVac is without difficulty customized to the actual requirements.

A central vacuum cleaning system typically consists of:

- A pulse-jet filter with automatic cleaning of the filter bags
- A safety filter for protection of the vacuum pump
- A vacuum pump and a vacuum valve
- A flapvalve or a vacuum-resistant dust bin
- A piping system and suction equipment
- An electric control panel with output for external start/stop



Pneumatic double flapvalve

Dimensioning

For each individual application SimVac is dimensioned to meet the actual requirements. By virtue of a constantly high vacuum facilitating several hundred metres of piping in one system, collection and conveying of even heavy particles is ensured.



Control room, China

Applications

- Cement
- Plastics
- Seed
- Sugar
- Medicine
- Lime
- Grain
- Feed
- Glass
- Paper
- Chemical products
- Heat and power stations

Degree of Purity

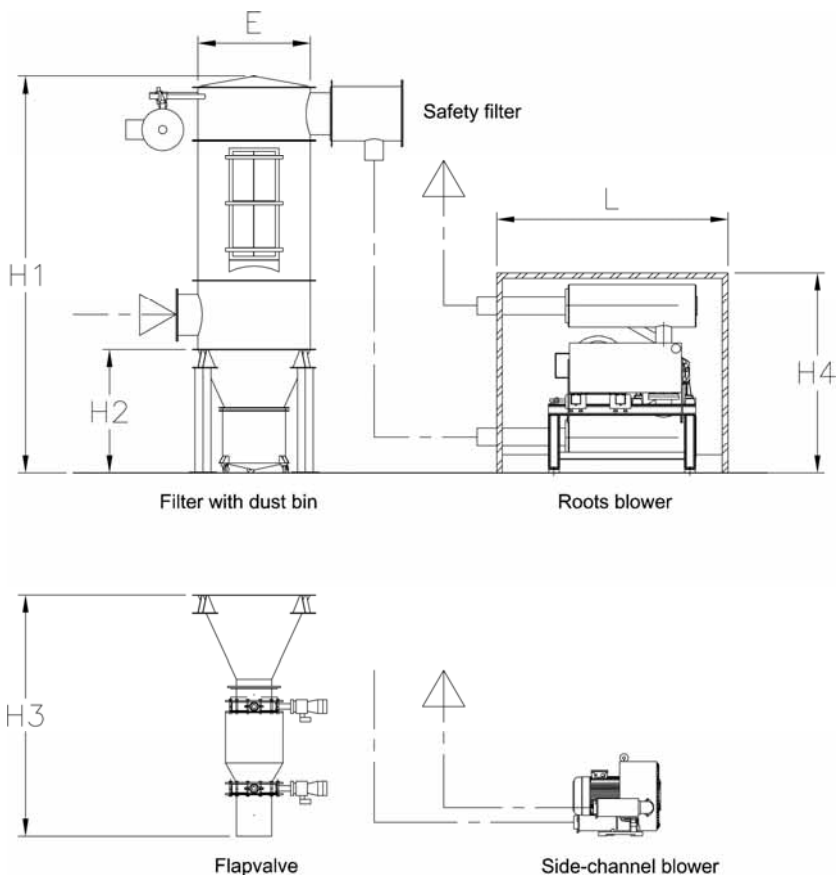
The airflow is cleaned to a degree of purity satisfying the strictest environmental regulations, and the collected material is discharged directly into a dust bin, a silo, a container, or a big-bag for emptying at certain intervals.

Features of SimVac

1. Clean working environment
2. Reduced wear on machinery
3. No emptying of ordinary bags
4. Suction capacity as required
5. Quick and efficient cleaning
6. Reduced noise and vibrations
7. Working area free of engine noise
8. Diminutive person-to-waste contact
9. Recovery of collected product
10. Simultaneously operating suction points
11. No recirculation of the dusty air
12. Hygienic and easy-to-operate
13. Limited risk of fire and dust explosions
14. Start of the system from any of the suction points
15. Standard components facilitating uncomplicated system extensions



Gum production, Turkey – 10 suction points

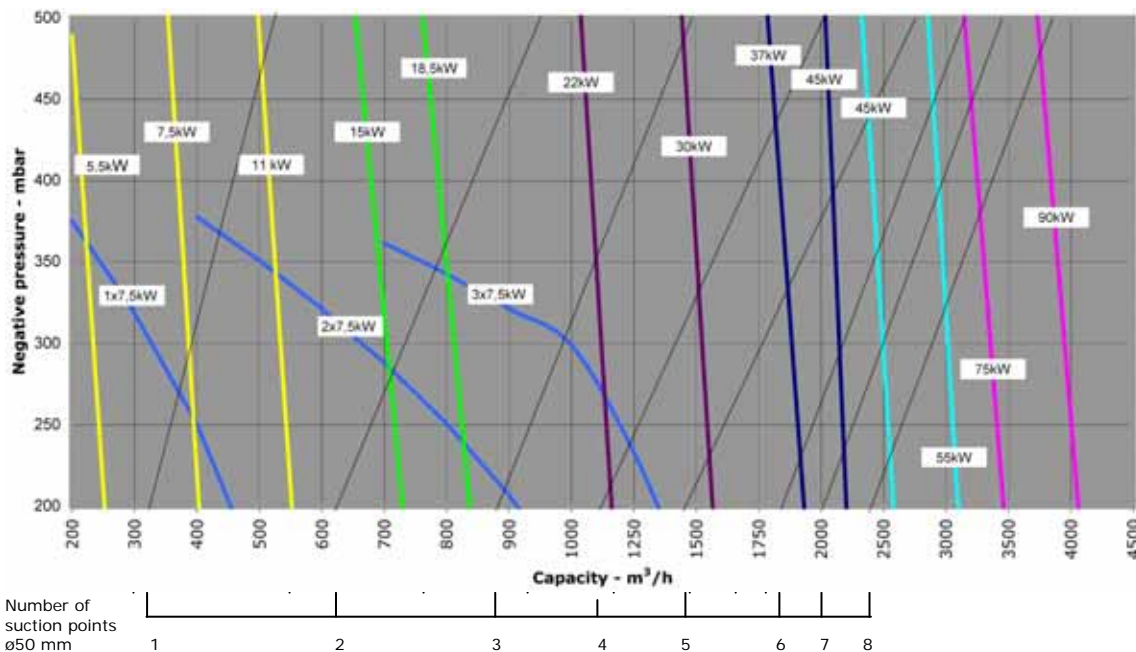


Dimensions, mm

	E	H1	H2	H3	H4	L
JM 7/15-17 4T	Ø600	3048	644	1501	1150	1260
JM 10/15-17 4T	Ø800	3265	885	1715	1440	1650
JM 14/15-17 4T	Ø960	3437	1207	2037	1700	2000
JM 21/20-17 4T	Ø1100	4087	1271	2101	1700	2000
JM 32/20-17 4T	Ø1300	3801	1391	2251	2400	2600

100819

Pump Selection:



Simatek After-Sales Services

- Supervision and Commissioning
- Original Simatek Spare Parts
- After-Sales Service and Maintenance

Simatek After-Sales Service:

Tel. No. +45 5884 1596

E-mail: after-sales@simatek.dk

24 hours hot-line: +45 4046 7525