

SAMSON

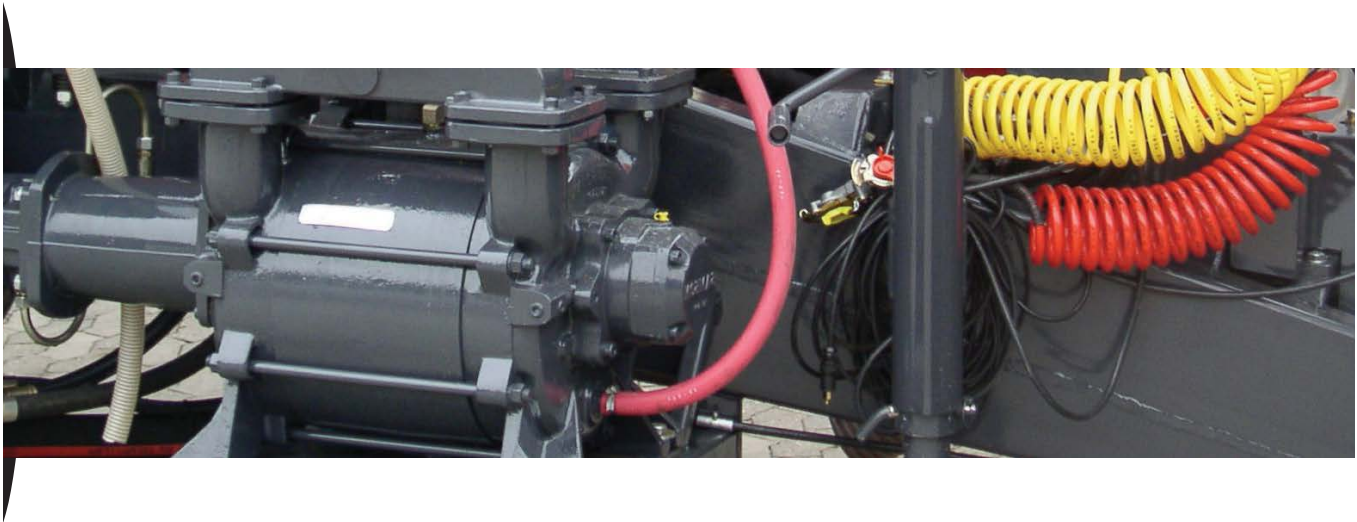
liquid ring pump

For vacuum trucks

reliable

Performance up to 3.000 m³/hr

ATEX- models available



SAMSON PUMPS

liquid ring pumps for Vacuum tankers vacuum solution for more than 60 years

samson liquid ring vacuum pumps are well-known in the vacuum truck industry for their efficiency and cost-effective principle for removal and transport of liquid and semi-solid waste materials, both hazardous and non-hazardous, from surface, tanks and other vessels.

samson pumps have a long experience with vacuum solution for vacuum trucks, that can be traced back to more than 60 years ago.

the first samson liquid ring pump was installed on a sludge tanker which was the main application for samson vacuum pumps for more than 20 years. since that time samson vacuum pumps have shown a great results in a range of other industries.

vacuum trucks equipped with liquid ring pumps are known for their suitability for handling easily flammable materials.

liquid ring pumps are also frequently used in spill clean-up processes and for in-plant suction or transfer of most liquids and sludge.



SAMSON liquid ring pumps



the quietest Solution in the Market

samson liquid ring pumps are the ideal solution for mobile vacuum tankers. our pumps operate in any environment and can deliver performance up to 3.000 m³/h. samson pumps are available in left- and right-rotating versions and can be installed with a hydraulic motor, belt drive or direct cardan drive.

low noise level

samson liquid ring pumps' noise level during the operation is max 80 db(a), which makes them especially suitable for operations in city areas.

No oil lubrication

a samson liquid ring pump is 100% oil free and uses water as the sealing liquid.

ATEX approved

through a long period as supplier to the offshore business samson pumps has become a specialist in liquid ring pumps for jobs in ex zones. samson pumps offers pumps approved to operate in ATEX zone 1, and 2 .



every pump is tested for performance before shipment from the factory. furthermore the test helps to verify several other parameters such as:

- leaks
- performance
- vibrations
- energy consumption



SAMSON vacuum Accessories

in order to optimize the efficiency of the operation samson pumps have developed accessories, that secure a reliable and robust operation of the pumps.

among others samson pumps manufacture 4-way valves in various sizes, either with or without pneumatic actuation, and other valves such as service liquid valve and vacuum limiter.

tsamson pumps offers today a complete package of accessories:



4-Way valve for pressure and suction operation. available with a pneumatic actuator or as manual operated.



the samson service liquid valve for control of liquid supply from the liquid separator. requires no electrical installation.

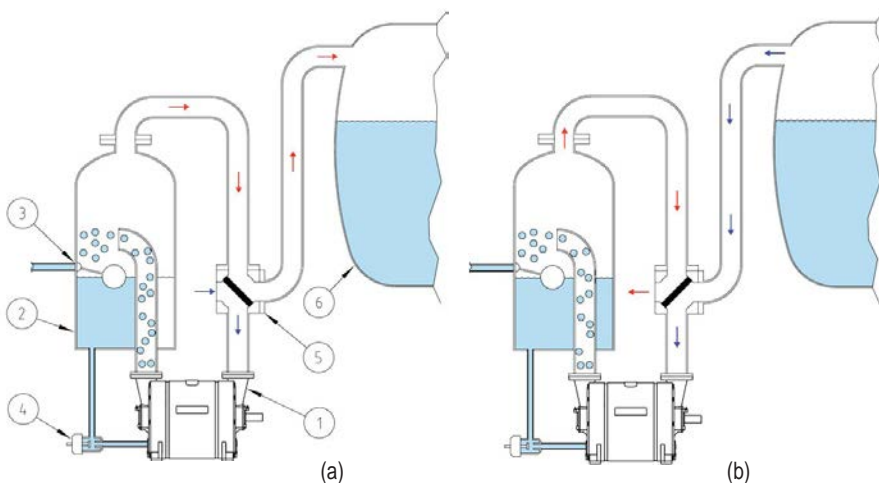


various adaptors for hydraulic drive.



the samson vacuum limiter valve for control of the vacuum level and to avoid cavitation in the pump.

installation principle



(a) pressure position
(b) vacuum position

1. liquid ring pump
2. liquid separator
3. float valve
4. service liquid valve
5. 4-Way valve
6. vacuum tank

key figures



kS Series

combinations of materials:

- rotor: stainless steel
- pump housing: cast iron
- shell: cast iron and stainless steel
- mechanical shaft seal: stainless steel
- flow plates: optional bronze or cast iron

Europe SI

	capacity m ³ /h	vacuum mbara	pressure bar gauge	Weight kg	sound pres- sure db(a)
ks500	600	100	3.0	198	78-80
ks510	625	65	3.0	200	78-80
ks625	750	65	3.0	219	78-80
ks725	850	100	3.0	209	78-80
ks910	1.050	65	3.0	238	78-80
ks1025	1.300	100	3.0	228	78-80

USA

	capacity cfm	vacuum in.hg / torr	pressure psi	Weight lbs	sound pres- sure db(a)
	354	2.95 / 75	43.5	418	78-80
	369	1.92 / 49	43.5	440	78-80
	443	1.95 / 49	43.5	482	78-80
	502	2.95 / 75	43.5	460	78-80
	620	1.92 / 49	43.5	524	78-80
	767	2.95 / 75	43.5	502	78-80



kM Series

combinations of materials:

- rotor: stainless steel
- pump housing: cast iron
- shell: cast iron
- mechanical shaft seal: stainless steel
- flow plates: optional bronze or cast iron

Europe SI

	capacity m ³ /h	vacuum mbara	pressure bar gauge	Weight kg	sound pres- sure db(a)
km2200	2.200	150	2.0	495	78-80
km2700	3.000	150	2.0	545	78-80

USA

	capacity cfm	vacuum in.hg / torr	pressure psi	Weight lbs	sound pres- sure db(a)
	1.298	4.43 / 112	29.0	1.089	78-80
	1.770	4.43 / 112	29.0	1.089	78-80

Distributor for UK & Ireland ;-

The logo for Transairvac International Ltd features a large, stylized letter 'T' on the left. The top bar of the 'T' is a thick red horizontal bar that extends across the width of the logo. The vertical stem of the 'T' is black. To the right of the 'T', the word 'TRANSAIRVAC' is written in a large, red, sans-serif font. Below this, the words 'INTERNATIONAL LTD' are written in a smaller, black, sans-serif font.

TRANSAIRVAC

INTERNATIONAL LTD

Unit 28 , Croft Road Industrial Estate ,
Newcastle under Lyme
Staffordshire
England.
ST5 0TW
Tel;-- +44 01782 710282
Fax;- +44 01782m710126
Web;- www.transairvac.com



SAMSON PUMPS