

A WORLD OF ORANGE



TRUCK MASTER
YEARBOOK 2019-2020

SAMSON PUMPS

Truck Master series

The liquid ring vacuum pumps designed for vacuum trucks and tankers

+45 87 50 95 70
info@samson-pumps.com

samson-pumps.com

SAMSON PUMPS



A WORLD OF ORANGE

TRUCK MASTER
YEARBOOK 2019-2020

Pumps for outstanding vacuum trucks	5
Truck Master 3400	6
Truck Master 2500	8
Truck Master 1600	10
Truck Master 600	12
Truck Master 350	14
Accessories	18
Approved by clients	23
Specifications	30
About us	34

Samson's Truck Master pumps are designed, manufactured and optimized to perfectly match your vacuum trucks.



Pumps for outstanding vacuum trucks

We would proudly like to introduce you to Samson's Truck Master Series. The liquid ring vacuum pump line exclusively designed for high-performance vacuum trucks and tankers.

We, at Samson, believe in excellence and therefore we continuously invest all our resources to develop the best in class liquid ring vacuum pumps, able to withstand the most difficult sludge and slurry services.

It is our vision to supply the vacuum truck OEMs all over the world with pumps that will not only exceed their expectations, but will continue operating year after year.



Kasper Nørgaard

Kasper Nørgaard
CEO

Clean exhaust

Because the pump chamber contains only water and no lubricants, the exhaust is clean steam. This makes operations with a liquid ring pump easy in populated areas without risk to people or materials.

Optimum HPR
Stainless steel AISI 316

ATEX approved for:

Zone 0: II 1G Ex h IIC T4 Ga
Zone 1: II 2G Ex h IIC T4 Gb



Applications

- + Industrial sewage services
- + Collecting the wet waste from very deep suction depths
- + Used for handling contaminated or hazardous substances



Description

The industrial vacuum trucks as well as the industrial combination sewer cleaners are designed to carry out a wide variety of duties required by the municipal customer. These trucks are usually used to take on huge sewage services, sewer sanitation line cleaning, storm drains, cleaning of contaminant pits and hydro-excavation services. Knowing this, we recommend to equip your truck with the powerful Truck Master 3400 pump. Operating with a max. vacuum of 85%, max. pressure of 0,75 bar(g). and a max capacity of 3400 m3/h, the pump can take on all serious heavyweight cleaning jobs. Many times, we hear from our customers that Truck Master 3400 increases the operation efficiency, minimizes time spent working whilst being very easy to operate.

Truck Master 3400 is ATEX approved for zone 0 and 1, which makes it once again appropriate for industrial vacuum trucks as these trucks will often be used within waste-sewage treatment plants, refineries and (petro)chemical plants for transporting hazardous or contaminated substances.

TRUCK MASTER 3400

Truck Master 3400 is a powerful liquid ring vacuum pump designed to handle the most difficult industrial and sewage services. The pump comes into its element when high capacity airflow is required.

- + Industrial Vacuum Trucks
- + Industrial Combination Sewer Cleaners
- + Super-sucker Vacuum Trucks
- + Industrial Recycling Vacuum Trucks

SPECIFICATIONS

Bearing cover	Cast iron	EN-GJL-250; EN 1561
Radial shaft seal	Rubber	Type NBR; DIN 3760A
Paper gasket	Paper	Oil resistant gasket
Bearing housing	Cast iron	EN-GJL-250; EN 1561
Mechanical shaft seal	NBR/AISI 316/Carbon	
Pump housing	Cast iron	EN-GJL-250; EN 1561
Flow plate	Cast iron	EN-GJL-250; EN 1561
Flow plate (Ex model)	Bronze	CC480K EN 1982
Rubber gasket	Rubber	NBR
Shell	Cast iron	EN-GJL-250; EN 1561
Rotor	Stainless steel	Optimum High Performance

WATER CONSUMPTION L/H

Metric	Water temperature				
	20°C	30°C	40°C	50°C	55°C
50% vacuum	32	50	86	140	220
70% vacuum	17	22	43	75	124
80% vacuum	12	20	34	56	88

WATER CONSUMPTION US GALLON/H

US	Water temperature				
	68°F	86°F	104°F	122°F	131°F
50% vacuum	9	13	23	37	58
70% vacuum	4	6	11	20	33
80% vacuum	3	5	9	15	23

VACUUM

Metric	m3/h	kW	Nm
1400 RPM	3415	108	737
1300 RPM	3347	92	676
1200 RPM	3078	77	613
1100 RPM	2839	64	556

US	CFM	HP	lbs * ft
1400 RPM	2010	147	543
1300 RPM	1970	125	499
1200 RPM	1812	105	452
1100 RPM	1671	87	410

PRESSURE 0,75 BAR(G)

Metric	m3/h	kW	Nm
1400 RPM	2502	133	907
1300 RPM	2281	117	860
1200 RPM	2068	98	780
1100 RPM	1787	82	712

US	CFM	HP	lbs * ft
1400 RPM	1473	181	669
1300 RPM	1343	159	634
1200 RPM	1217	133	575
1100 RPM	1052	112	525

Pump performance measured on the suction side of the pump. The vacuum performance is therefore based on Actual Cubic meters and the performance mode on Normal Cubic meters. The performance is based on service liquid temperature of 15 °C, air temperature of 50 °C and 100% saturated air. For correction factors or other conditions, please refer to the pump manual.



No mechanical contact

Inside the chamber of a liquid ring pump, parts are only in contact with a rotating water ring. This means no mechanical friction and no need for lubrication.

Optimum HPR
Stainless steel AISI 316

ATEX approved for:

Zone 0: II 1G Ex h IIC T4 Ga
Zone 1: II 2G Ex h IIC T4 Gb



Applications

- + Heavy sewer cleaning services
- + Emptying and cleaning of serious deep roadside gullies
- + Collection of large quantities of industrial waste

SAMSON PUMPS
TRUCK MASTER HPR
2500



Description

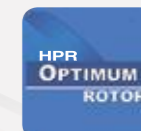
The large city vacuum trucks, high-volume sewer cleaners and recycling vacuum trucks aim at collecting large quantities of liquid waste, take on heavy sewer cleaning jobs, drill muds, handle thick sludge and slurries from commercial, residential and city areas. Therefore, many OEMs choose to mount on these trucks the high-efficient Truck Master 2500 pump. When in operation, the pump produces a very low noise level, which prevents from the risk of noise pollution and creates a very enjoyable work environment for the vacuum truck operator and does not disturb the people in the vicinity.

Having a max vacuum of 85%, max. pressure of 1,0 bar(g). and max capacity of 2500 m3/h, Truck Master 2500 can quickly vacuum up the wet waste from rather deep roadside gullies or other deep suction depths, increasing the work productivity and minimizing the downtime. More work will be done in less time with minimum effort.

TRUCK MASTER 2500

Truck Master 2500 is a high efficient liquid ring pump made for large vacuum trucks and sewer cleaners, intended to collect massive quantities of sewage waste.

- + Large City Vacuum Trucks
- + High-volume Combination Sewer Cleaners
- + Recycling Vacuum Trucks (large)



SPECIFICATIONS

Bearing cover	Cast iron	EN-GJL-250; EN 1561
Radial shaft seal	Rubber	Type NBR; DIN 3760A
Paper gasket	Paper	Oil resistant gasket
Bearing housing	Cast iron	EN-GJL-250; EN 1561
Mechanical shaft seal	NBR/AISI 316/Carbon	
Pump housing	Cast iron	EN-GJL-250; EN 1561
Flow plate	Cast iron	EN-GJL-250; EN 1561
Flow plate (Ex model)	Bronze	CC480K EN 1982
Rubber gasket	Rubber	NBR
Shell	Cast iron	EN-GJL-250; EN 1561
Rotor	Stainless steel	Optimum High Performance

WATER CONSUMPTION L/H

Metric	Water temperature				
	20°C	30°C	40°C	50°C	55°C
50% vacuum	18	27	53	93	152
70% vacuum	10	16	32	56	91
80% vacuum	5	11	21	37	60

WATER CONSUMPTION US GALLON/H

US	Water temperature				
	68°F	86°F	104°F	122°F	131°F
50% vacuum	5	7	14	25	40
70% vacuum	3	4	8	15	24
80% vacuum	1	3	6	10	16

VACUUM

Metric	m3/h	kW	Nm
1500 RPM	2465	64	407
1400 RPM	2205	56	382
1300 RPM	1980	48	353
1200 RPM	1860	45	358

US	CFM	HP	lbs * ft
1500 RPM	1451	87	301
1400 RPM	1298	76	282
1300 RPM	1165	65	260
1200 RPM	1095	61	264

PRESSURE 1,0 BAR(G)

Metric	m3/h	kW	Nm
1500 RPM	1390	85	541
1400 RPM	1271	75	512
1300 RPM	1097	68	500
1200 RPM	993	60	478

US	CFM	HP	lbs * ft
1500 RPM	818	116	399
1400 RPM	748	102	377
1300 RPM	646	92	368
1200 RPM	584	82	352

Pump performance measured on the suction side of the pump. The vacuum performance is therefore based on Actual Cubic meters and the performance mode on Normal Cubic meters. The performance is based on service liquid temperature of 15 °C, air temperature of 50 °C and 100% saturated air. For correction factors or other conditions, please refer to the pump manual.



Resistant to overflow

A liquid ring vacuum pump is designed to handle a certain amount of liquid in the suction line. Soft particles can also pass through without damaging the pumps.

Optimum HPR
Stainless steel AISI 316

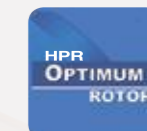
ATEX approved for:

Zone 0: II 1G Ex h IIC T4 Ga
Zone 1: II 2G Ex h IIC T4 Gb



Applications

- + Medium to large gully cleaning services
- + General wet waste management
- + Cleaning pipes
- + Collection and transportation of contaminated or hazardous substances



Description

The commercial vacuum trucks are required to pump up many and various loads. Therefore, they are often equipped with a Truck Master 1600. Having a max vacuum of 85%, max. pressure of 1,0 bar(g). and a max capacity of 1600 m3/h, Truck Master 1600 can easily take on jobs as the emptying of private owned gullies, grease trap services, drainage jobs as well as the emptying of roadside gullies.

Truck Master 1600 uses only water as its operating liquid and therefore is considered a cost-efficient choice by the vacuum truck owners. Nevertheless, Truck Master 1600 is equipped with the full welded stainless-steel Optimum rotor, which is specially designed by Samson for the pumps mounted on vacuum trucks, giving a perfect balance between performance and strength.

TRUCK MASTER 1600

Truck Master 1600 is an excellent liquid ring pump made for commercial vacuum trucks, intended to handle medium to large wet waste management tasks in populated areas.

- + Commercial Vacuum Trucks
- + Medium Sewer Jetting Vehicles
- + Gully/Septic Trucks
- + Slurry tankers

SPECIFICATIONS

Bearing cover	Cast iron	EN-GJL-250; EN 1561
Radial shaft seal	Rubber	Type NBR; DIN 3760A
Paper gasket	Paper	Oil resistant gasket
Bearing housing	Cast iron	EN-GJL-250; EN 1561
Mechanical shaft seal	NBR/AISI 316/Carbon	
Pump housing	Cast iron	EN-GJL-250; EN 1561
Flow plate	Cast iron	EN-GJL-250; EN 1561
Flow plate (Ex model)	Bronze	CC480K EN 1982
Rubber gasket	Rubber	NBR
Branch pipe	Cast iron	EN-GJL-250; EN 1561
Shell	Cast iron	EN-GJL-250; EN 1561
Stay Bolt	Carbon steel	W.Nr. 1.1181
Rotor	Stainless steel	Optimum High Performance

WATER CONSUMPTION L/H

Metric	Water temperature				
	20°C	30°C	40°C	50°C	55°C
50% vacuum	12	17	34	60	100
70% vacuum	5	10	20	35	60
80% vacuum	4	7	13	24	39

WATER CONSUMPTION US GALLON/H

US	Water temperature				
	68°F	86°F	104°F	122°F	131°F
50% vacuum	3	4	9	16	26
70% vacuum	1	3	5	9	16
80% vacuum	1	2	3	6	10

VACUUM

Metric	m3/h	kW	Nm
1800 RPM	1689	49	260
1700 RPM	1638	43	242
1600 RPM	1534	40	239
1500 RPM	1412	36	229

US	CFM	HP	lbs * ft
1800 RPM	994	67	192
1700 RPM	964	58	178
1600 RPM	903	54	176
1500 RPM	831	49	169

PRESSURE 1,0 BAR(G)

Metric	m3/h	kW	Nm
1800 RPM	1042	69	366
1700 RPM	961	61	343
1600 RPM	891	55	328
1500 RPM	805	48	306

US	CFM	HP	lbs * ft
1800 RPM	613	94	270
1700 RPM	566	83	253
1600 RPM	524	75	242
1500 RPM	474	65	225

Pump performance measured on the suction side of the pump. The vacuum performance is therefore based on Actual Cubic meters and the performance mode on Normal Cubic meters. The performance is based on service liquid temperature of 15 °C, air temperature of 50 °C and 100% saturated air. For correction factors or other conditions, please refer to the pump manual.



Low cost

A Samson liquid ring pump is designed to operate at least 10 years without being overhauled. This means no down time or lost revenues for the truck.

Optimum HPR
Stainless steel AISI 316

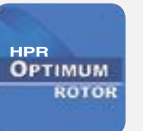
ATEX approved for:

Zone 0: II 1G Ex h IIC T4 Ga
Zone 1: II 2G Ex h IIC T4 Gb



Applications

- + City sewage operations
- + Drainage cleaning services
- + Unblocking of drainage systems



Description

The city vacuum trucks are specially designed for urban areas and therefore must be smaller in dimensions as they aim at driving on narrow neighborhood streets. Still, they must be equipped with a strong vacuum pump able to perform jobs as the emptying of grease traps, cleaning of septic tanks, emptying of flooded cellars and garages as well as pit cleaning. That's why many OEMs choose to mount on their city vacuum trucks and vacuum combination tankers the powerful Truck Master 600.

Operating with a max. vacuum of 85%, max pressure of 1,0 bar(g). and a max. capacity of 600 m3/h, Truck Master 600 is able to carry out all the necessary sewage services you need. The compact design of the pump reduces its weight and makes it easy to install on all types of city vacuum trucks and vacuum combination tankers. Furthermore, the pump has a low operation noise level, making it even more suitable for city jobs as it does not produce noise pollution.

TRUCK MASTER 600

Truck Master 600 is the ideal liquid ring pump for city vacuum trucks, which aim at collecting the waste located in narrow areas such as neighborhoods and congested town centers. Quiet and easy to maintain, Truck Master 600 will perfectly match your city vacuum truck.

- + City vacuum trucks
- + Vacuum combination tankers
- + Grease Trap Tankers
- + Truck Jets for neighborhoods

SPECIFICATIONS

Bearing cover	Cast iron	EN-GJL-250; EN 1561
Radial shaft seal	Rubber	Type NBR; DIN 3760A
Paper gasket	Paper	Oil resistant gasket
Bearing housing	Cast iron	EN-GJL-250; EN 1561
Mechanical shaft seal	NBR/AISI 316/Carbon	
Pump housing	Cast iron	EN-GJL-250; EN 1561
Flow plate	Cast iron	EN-GJL-250; EN 1561
Flow plate (EX model)	Stainless steel	AISI 316
Rubber gasket	Rubber	NBR
Shell	Cast iron	EN-GJL-250; EN 1561
Rotor	Stainless steel	Optimum High Performance

WATER CONSUMPTION L/H

Metric	Water temperature				
	20°C	30°C	40°C	50°C	55°C
50% vacuum	6	10	20	35	58
70% vacuum	3	6	12	22	36
80% vacuum	2	3	5	9	15

WATER CONSUMPTION US GALLON/H

US	Water temperature				
	68°F	86°F	104°F	122°F	131°F
50% vacuum	2	3	5	9	15
70% vacuum	1	2	3	6	10
80% vacuum	1	1	1	2	4

VACUUM

Metric	m3/h	kW	Nm
1800 RPM	604	18	93
1700 RPM	572	15	84
1600 RPM	527	13	78
1500 RPM	436	10	64

US	CFM	HP	lbs * ft
1800 RPM	356	24	68
1700 RPM	337	20	62
1600 RPM	310	18	57
1500 RPM	257	14	47

PRESSURE 1,0 BAR(G)

Metric	m3/h	kW	Nm
1800 RPM	445	28	149
1700 RPM	402	26	146
1600 RPM	384	23	137
1500 RPM	376	22	140

US	CFM	HP	lbs * ft
1800 RPM	262	38	110
1700 RPM	237	35	108
1600 RPM	226	31	101
1500 RPM	221	30	103

Pump performance measured on the suction side of the pump. The vacuum performance is therefore based on Actual Cubic meters and the performance mode on Normal Cubic meters. The performance is based on service liquid temperature of 15 °C, air temperature of 50 °C and 100% saturated air. For correction factors or other conditions, please refer to the pump manual.



Low noise level

The contact free design in a liquid ring pump results in low noise operation level. During operation, only the air flow and natural sound from the bearings are audible.

Optimum HPR
Stainless steel AISI 316

ATEX approved for:

Zone 0: II 1G Ex h IIC T4 Ga
Zone 1: II 2G Ex h IIC T4 Gb



Applications

- + Emergency plumbing services (E.g. flooded basements or areas, burst pipelines)
- + Pit cleaning services
- + Slurry services



Description

Truck Master 350 is often mounted on mini-combination city tankers and vacuum units that have a multitude of purposes and applications. Through which, they are used in cases of emergency cleaning services (E.g. flooding basements or areas, burst pipelines) and for cleaning sewer lines that have another mean of disposal of the debris than the manhole. Having a max. vacuum of 85%, max. pressure of 1,0 bar(g), and a max capacity of 350 m³/h, Truck Master 350 can quickly and efficiently solve any emergency city sewage jobs.

The small city vacuum units and tankers are also equipped with Truck Master 350 due to its low noise operation level. These vacuum units are intended for collecting the wet waste from agglomerated, hard to access areas such as parking lots, schoolyards and shopping centers. Therefore, the need for a Truck Master 350, which will silently pump up the wet waste. Furthermore, because the pump chamber contains only water and no lubricants, the exhaust is clean stream, making operation easy in populated areas, without putting at risk people or materials.

TRUCK MASTER 350

Truck Master 350 is a small but very sturdy liquid ring pump suitable for mini-combination tankers, small jetting units, portable restroom vacuum tankers and other vacuum units intended for quick sewage interventions in city areas.

- + Portable Restroom Vacuum tankers
- + Mini-combination tankers
- + Small Jetting Units

SPECIFICATIONS

Bearing cover	Cast iron	EN-GJL-250; EN 1561
Radial shaft seal	Rubber	Type NBR; DIN 3760A
Paper gasket	Paper	Oil resistant gasket
Bearing housing	Cast iron	EN-GJL-250; EN 1561
Mechanical shaft seal	NBR/AISI 316/Carbon	
Pump housing	Cast iron	EN-GJL-250; EN 1561
Flow plate	Cast iron	EN-GJL-250; EN 1561
Flow plate (EX model)	Stainless steel	AISI 316
Rubber gasket	Rubber	NBR
Shell	Cast iron	EN-GJL-250; EN 1561
Rotor	Stainless steel	Optimum High Performance

WATER CONSUMPTION L/H

Metric	Water temperature				
	20°C	30°C	40°C	50°C	55°C
50% vacuum	4	9	14	23	36
70% vacuum	3	4	8	13	21
80% vacuum	1	2	3	5	9

WATER CONSUMPTION US GALLON/H

US	Water temperature				
	68°F	86°F	104°F	122°F	131°F
50% vacuum	1	2	4	6	10
70% vacuum	1	1	2	3	6
80% vacuum	1	1	1	1	2

VACUUM

Metric	m ³ /h	kW	Nm
1800 RPM	359	9	48
1650 RPM	334	8	43
1500 RPM	307	7	41
1200 RPM	242	6	44

US	CFM	HP	lbs * ft
1800 RPM	211	12	35
1650 RPM	197	10	32
1500 RPM	181	9	31
1200 RPM	142	7	32

PRESSURE 1,0 BAR(G)

Metric	m ³ /h	kW	Nm
1800 RPM	266	15	80
1650 RPM	239	13.5	78
1500 RPM	151	12	76
1200 RPM	83	8.5	68

US	CFM	HP	lbs * ft
1800 RPM	157	20	59
1650 RPM	141	18	58
1500 RPM	89	16	56
1200 RPM	49	12	50

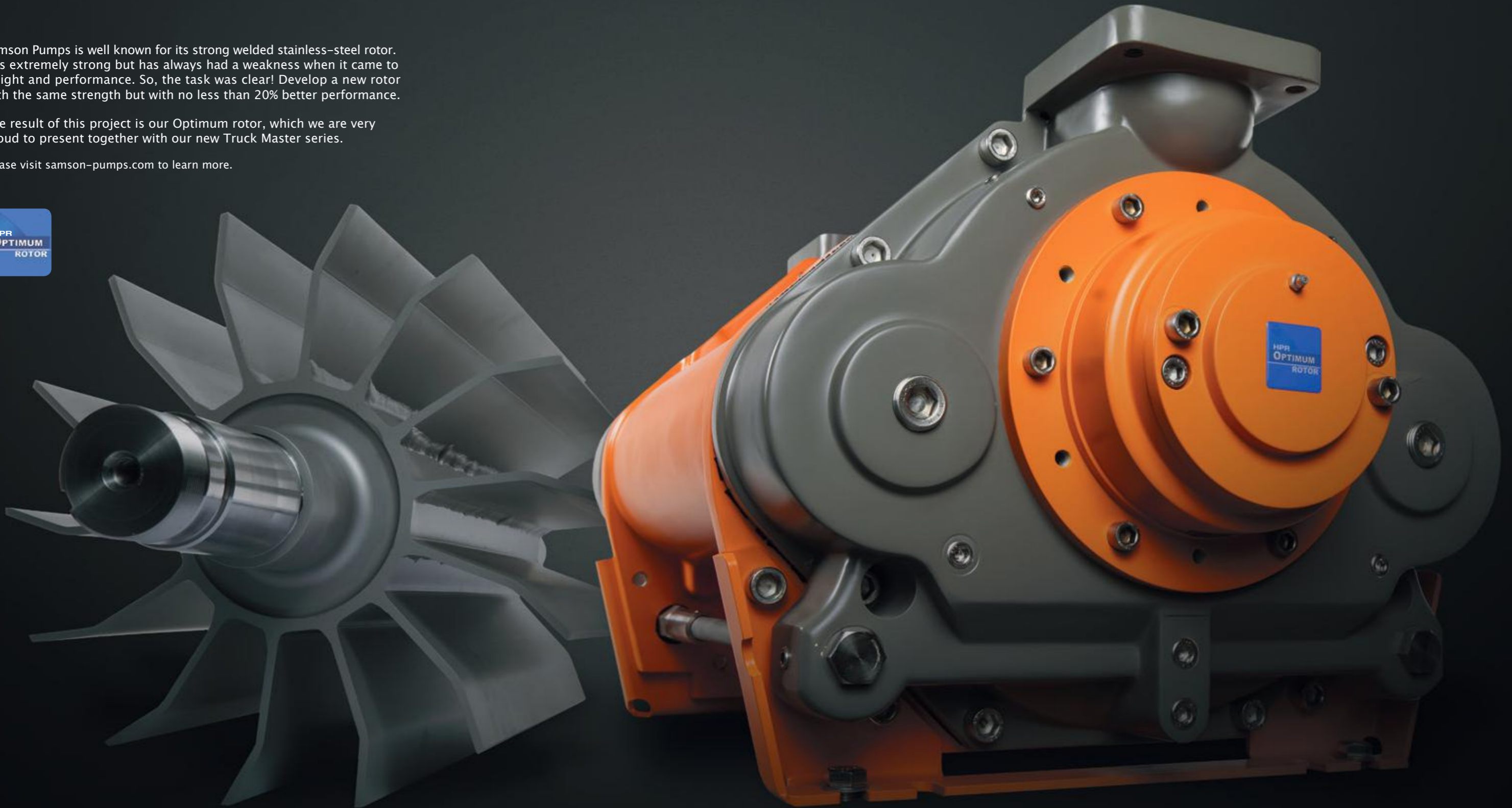
Pump performance measured on the suction side of the pump. The vacuum performance is therefore based on Actual Cubic meters and the performance mode on Normal Cubic meters. The performance is based on service liquid temperature of 15 °C, air temperature of 50 °C and 100% saturated air. For correction factors or other conditions, please refer to the pump manual.

Perfect balance between performance and strength

Samson Pumps is well known for its strong welded stainless-steel rotor. It is extremely strong but has always had a weakness when it came to weight and performance. So, the task was clear! Develop a new rotor with the same strength but with no less than 20% better performance.

The result of this project is our Optimum rotor, which we are very proud to present together with our new Truck Master series.

Please visit samson-pumps.com to learn more.

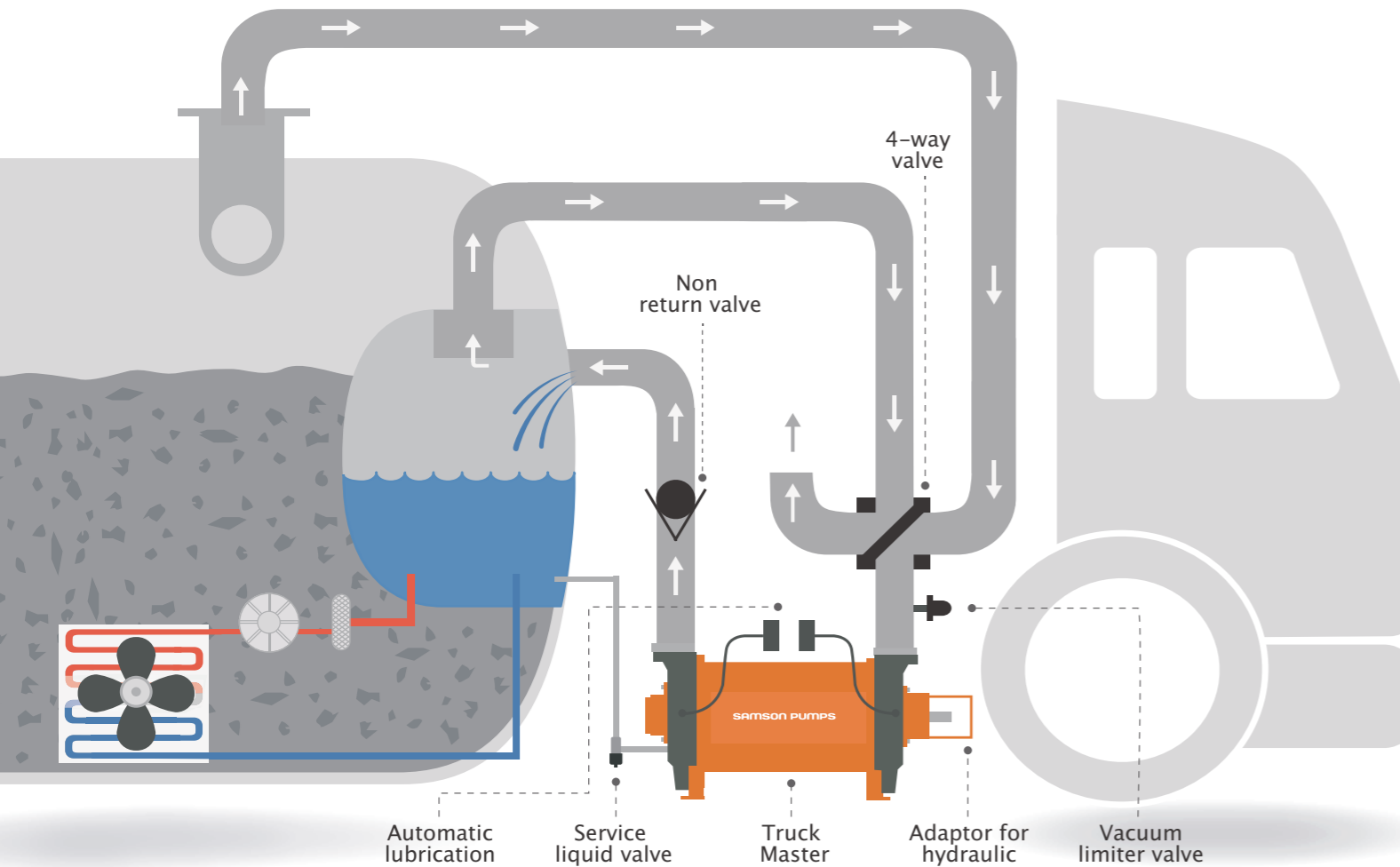


Technical assistance when required

Our team of vacuum experts is ready to help you design your new vacuum truck and ensure that the pump is deployed in the best possible way. We are ready to assist you in case you wish to build a bigger/ smaller vacuum truck, or in case you wish to change from other types of vacuum pumps to liquid ring vacuum pumps.

Additionally, we can supply you with a wide range of accessories, which will perfectly complement your vacuum truck.

A typical truck system



HYDRAULIC



Adaptor for hydraulic motor Truck Master 3400 & 2500

Adaptor in cast iron, designed for connection of hydraulic motor to Truck Master 3400 and Truck Master 2500.

The adaptor can also be supplied as a set (adaptor + coupling) and thereby a complete solution, only to connect it to a hydraulic motor and it's ready to run.

- + Cast iron
- + Compact design
- + Fits Truck Master 3400
- + Fits Truck Master 2500
- + Fits with both PARKER and SUNFAB motors



HYDRAULIC



Adaptor for hydraulic motor Truck Master 1600

Adaptor in cast iron, designed for connection of hydraulic motor to Truck Master 1600.

The adaptor can also be supplied as a set (adaptor + coupling) and thereby a complete solution, only to connect it to a hydraulic motor and it's ready to run.

- + Cast iron
- + Compact design
- + Fits with both PARKER and SUNFAB motors



HYDRAULIC



Adaptor for hydraulic motor Truck Master 600 & 350

Adaptor in cast iron, designed for connection of hydraulic motor to Truck Master 600 and Truck Master 350.

The adaptor can also be supplied as a set (adaptor + coupling) and thereby a complete solution, only to connect it to a hydraulic motor and it's ready to run.

- + Compact design
- + Fits Truck Master 600
- + Fits Truck Master 350
- + Fits with both PARKER and SUNFAB motors



PRESSURE

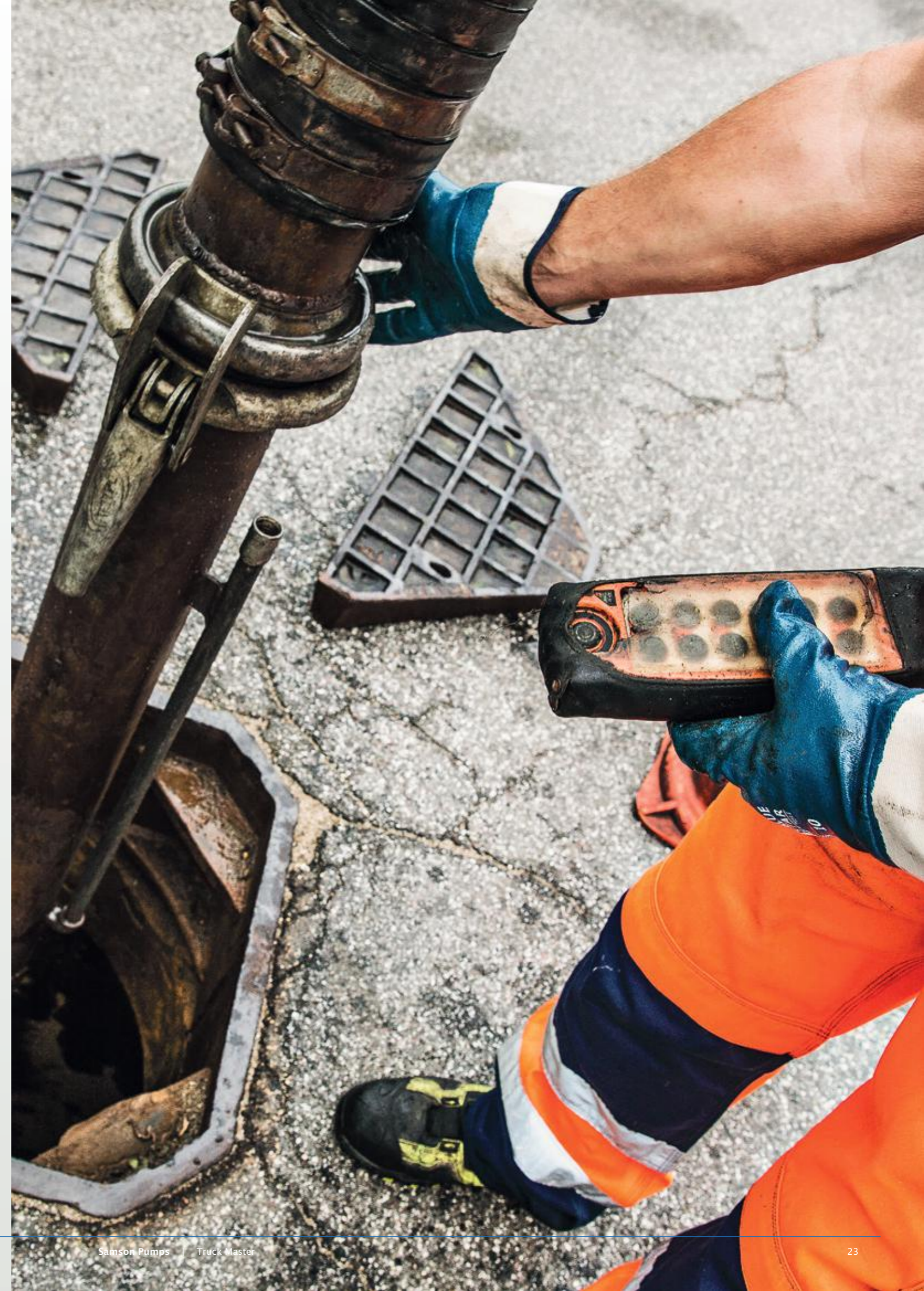


4-way valve DN 125 Truck Master 3400

4-way valve designed for Truck Master 3400. We offer this valve equipped with a pneumatic actuator or as manually controlled. Applicable for installation on vacuum trucks.

The valve has two flow positions, and a neutral/central position.

- + Cast iron
- + Compact design





Samson Truck Master gets my approval

"They're sturdy, durable and highly reliable, as well as quiet and environmentally friendly. Those are a whole lot of advantages, so I can highly recommend Samson Pumps to any of my colleagues who ask me for advice."

Ulrik Sinding
Sewer Cleaning Company





**4-way valve DN 100
Truck Master 1600**

4-way valve designed for Truck Master 1600. We offer this valve equipped with a pneumatic actuator or as manually controlled. The compact design makes this 4-way valve very applicable for installation on vacuum trucks.

The valve has two flow positions, and a neutral/central position.

- + Cast iron
- + Compact design
- + Manual or pneumatic control
- + Direct fit with Truck Master 1600 branch pipes



**Non-return valve
Truck Master 3400 & 2500**

Non-return valve applicable for Truck Master 3400 and Truck Master 2500.

The valve is made of cast iron and brass.

- + DN125 for Truck Master 3400
- + DN100 for Truck Master 2500
- + Body: Cast iron
- + Claps: Bronze



**Non-return valve
Truck Master 1600**

Non-return valve applicable for Truck Master 1600 and used for pressure operations.

- + Pressure operation
- + Fits Truck Master 1600



**Non-return valve
Truck Master 600 & 350**

Non-return valve applicable for Truck Master 600 and Truck Master 350.

The valve is made of cast iron and brass.

- + DN50
- + Body: Cast iron
- + Claps: Bronze





**Service Liquid Valve
All Truck Master Series**

Samson Service Liquid Valve is designed to automatically control the liquid supply to the liquid ring pump. The valve has two positions, open and closed.

- When the pump starts turning, the valve opens automatically.
- When the pump stops, the valve closes. The valve is controlled by the pilot pressure from the liquid ring pump.

- + Automatic service liquid control
- + Requires no electrical installation
- + Approved for use in ATEX Zone 1



**Vacuum Limiter
All Truck Master Series**

Samson Vacuum Limiter Valve is designed to control the pressure (vacuum) level and to avoid cavitation in the pump.

The Vacuum Limiter Valve is installed when the suction line may force the pump to operate below the cavitation limit. Air must then be supplied to the suction side of the pump through the vacuum limiter which is regulated according to the required pressure.

- + Prevents cavitation
- + Requires no electrical installation
- + Approved for use in ATEX Zone 1



**Branch Pipes
Truck Master 1600**

Branch pipes in cast iron designed for Truck Master 1600. The pipes are mounted on the pump with 12mm bolts and have a center connection with a Ø85mm hole and a direct bolt hole fit with our DN100 four-way valve. The 1" BSP thread connections on the sides, makes it very easy to mount our vacuum limiter to prevent cavitation.

- + Cast iron
- + Direct fit with 4-way valve DN100
- + Direct fit with Vacuum Limiter



**Automatic lubrication
All Truck Master Series**

Samson Automatic Lubricator is designed to automatically supply a small quantity of grease on a regular basis. This provides a more accurate control of the amount of lubricant supplied, when compared to traditional manual lubrication techniques.

- + Extends the lifetime
- + Improves bearing performance
- + Increases machine's reliability



SAMSON PUMPS



Design made easy

"To make the design project of your vacuum truck easier, we provide 3D files for all our Truck Master pumps. Send an email or contact us by phone and we will make sure that you receive the files you need in a blink of an eye."



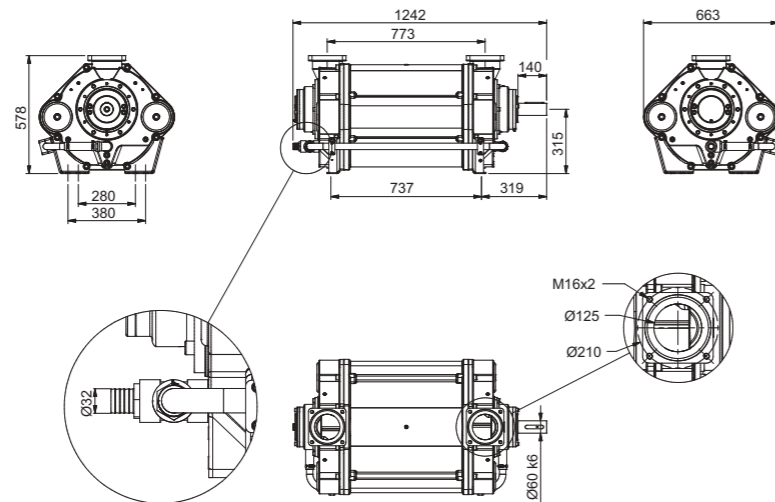
Jens Justesen

Design Engineer - Tech. department
Email: JJ@samson-pumps.com



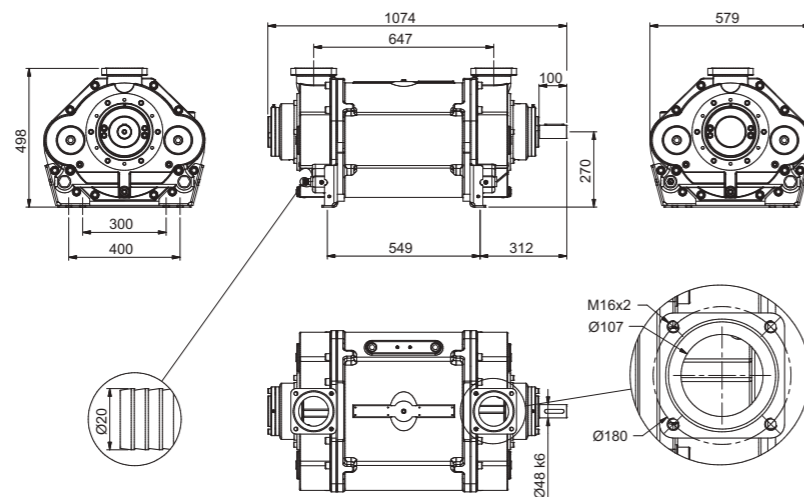
Truck Master 3400

Weight: 531 kg.



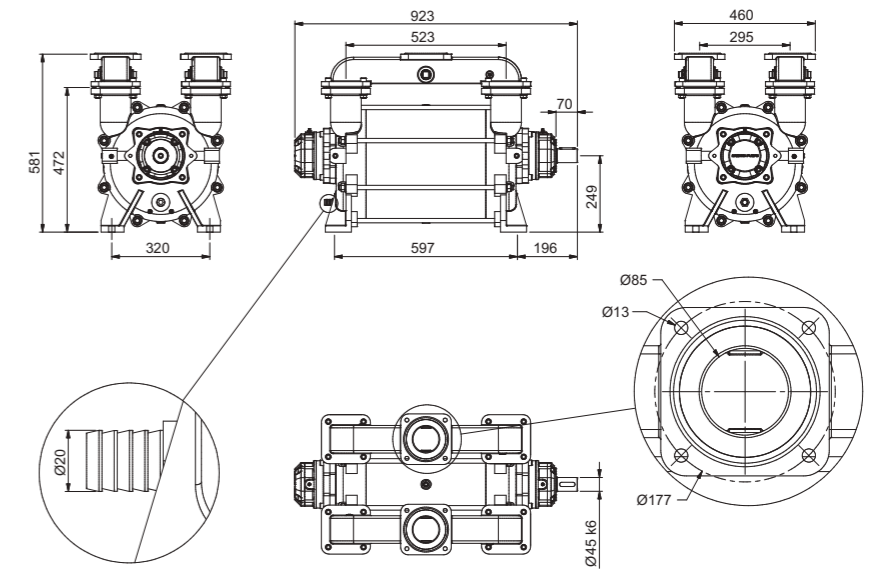
Truck Master 2500

Weight: 321 kg.



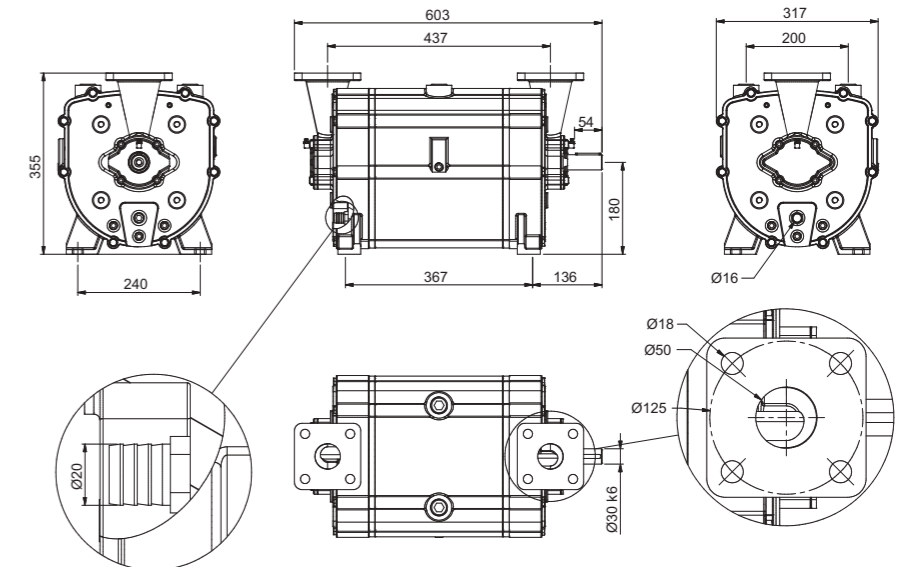
Truck Master 1600

Weight: 250 kg.



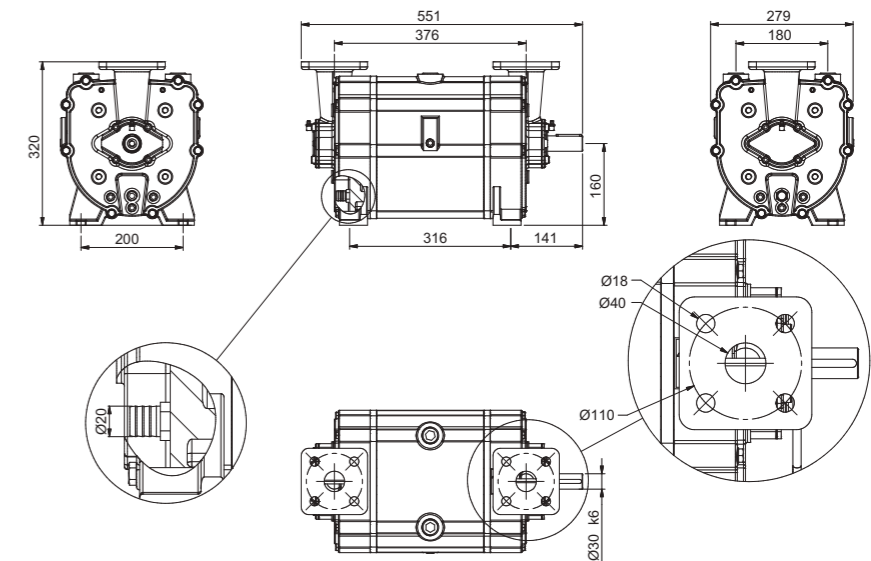
Truck Master 600

Weight: 117 kg.



Truck Master 350

Weight: 84 kg.





Strength and durability are our trademarks

Samson Pumps is your reliable vacuum truck pump supplier. The company, specializing exclusively on liquid ring vacuum pumps, supplies more than 80 countries with the strongest vacuum pumps on the market and is always in-hand when OEMs require assistance in building new vacuum trucks and/or tankers.

The Truck Master Series was exclusively designed for the vacuum truck market by incorporating the lessons learned through supplying this market in the last 40 years. At the core of Samson's business activity is the strong belief that the products we supply must be of superlative quality in order for our customers to focus on what they do best. Focus on building the robustest vacuum trucks. We therefore supply them with the high reliable Truck Master pumps and offer a wide range of accessories which allow them to build vacuum systems without the need for specialist in-house expertise.

Strength and durability are our trademarks! Time and time again we hear from our satisfied customers that the Truck Master pumps continue operating year after year and in most cases without the need for maintenance or repair. Samson Pumps is your reliable liquid ring vacuum pump partner.



Optimum liquid ring pumps

samson-pumps.com

SAMSON PUMPS

+45 87 50 95 70
info@samson-pumps.com

samson-pumps.com