CVS ENG.
THINKING AHEAD

VacuStar W 900 – 1300 – 1600

Compressor vacuum-pump

CVS develops and manufactures compressor vacuumpumps specifically designed for installation in vacuum trucks. The development is made in close collaboration with our customers. This guarantees the optimum product for your application.

The compressor vacuum-pump: The series W was developed especially for the high requirements on mounting in suction vehicles, municipal vacuum trucks and combination trucks (combined suction and water jetting).

Features

High quality
compressor vacuum-pumps from CVS for higher suction level and more suction power

Unique and robust design
guarantee long lasting performance and high operating hours

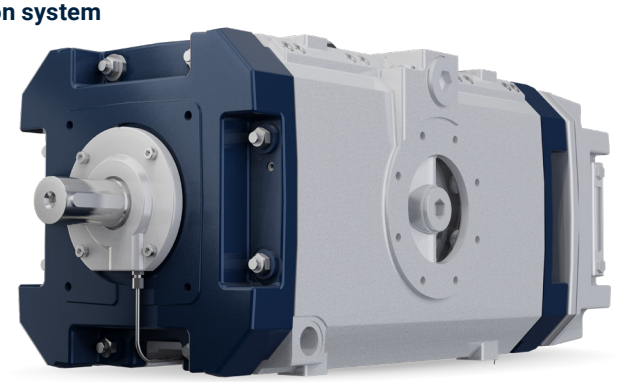
Compact and light-weight
compressor vacuum-pumps for higher payload on the truck

Compressor vacuum-pumps with system:
The water cooled series W consists of 3 sizes with a volume flow of up to 1600 m³/h / 942 cfm.



Advantages

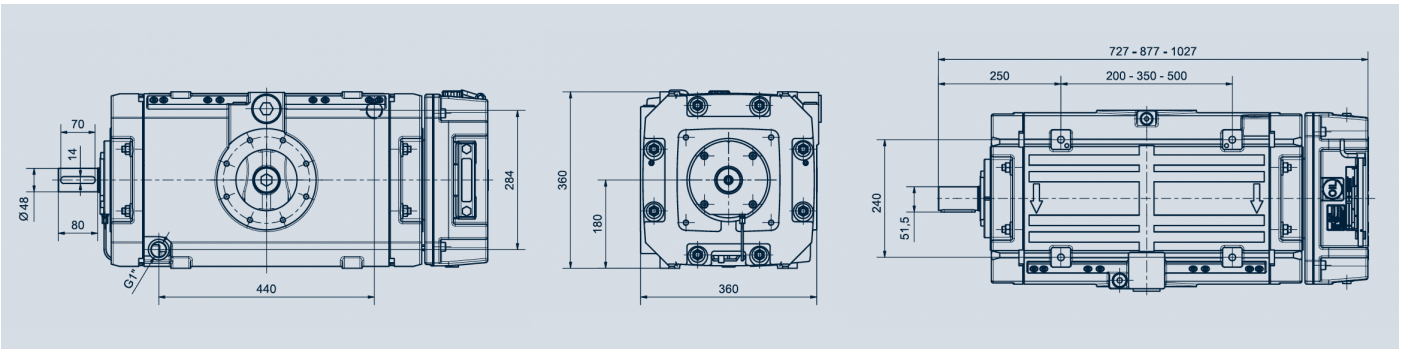
- **The integrated cell aeration system reduces the discharge temperature**
- **Cooler operation resulting in longer life for vanes, bearings and casing 100 mbar / 27 HG" (90 % vacuum) in continuous operation with integrated cell aeration system**
- **4 Points each on top and bottom of the housing to bolt the machine to the truck**
- **Higher suction capacity**
- **Connectivity for hydraulic motor**
- **Compact dimensions**
- **Higher payload possible because of low weight of the machine**
- **Low power requirement**
- **Efficient, economic operation**
- **ATEX temperature-class 3 *with integrated cell aeration system**



Optional

- **Plasma-nitrided housing for difficult conditions, thus increased resistance to abrasive, adhesive and corrosive wear.**
- **Ceramic-coated housing for extreme conditions. Excellent resistance to abrasion, erosion and cavitation. Chemical resistance to acid and alkaline media.**
- **The integrated cell ventilation reduces the air outlet temperature > Increased service life due to lower thermal stress for rotor vanes, bearings, oil and housing.**
- **Drive via v-belt or hydraulic**

Technical data				
	Unit	VacuStar W 900	VacuStar W 1300	VacuStar WR 1600
Volume suction flow at free air delivery	m³/h (cfm)	900 (530)	1,300 (765)	1,600 (942)
at 400 mbar / 18 HG"	m³/h (cfm)	860 / 506	1,220 (718)	1,570 (924)
Max. operating pressure	bar g (psig)		2.0 (29)	
Max. operating vacuum with cell aeration	mbar (HG")		100 (27)	
Nominal speed	1/min (rpm)		1,500	
Power requirement at 0.5 bar g / 7.25 psig	kW (hp)	26.0 (35.0)	38.0 (51.0)	47.5 (63.5)
Weight	kg (lb)	220 / 485	279 (615)	339 (747)



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