

# Vmax 1

## OIL-FREE VANE COMPRESSOR



## Vmax 1 achieves more!

## UP TO 40% FASTER DISCHARGE RATE

**Vmax1** was designed to pressure discharge liquids from general-purpose road tankers where pumps cannot be used because of the aggressive and or corrosive nature of the cargo. Typical products: Liquid animal food, foodstuff, bitumen, heavy fuel oil, chemicals, etc.

### Your benefits:

- 850 l/min potential road tanker liquid discharge at 2 bar g. or 730 l/min at 2.5 bar g.
- High flow rate of 75 to 200 m<sup>3</sup>/h
- Max. pressure at Vmax1 2.5 bar g.
- Stainless steel rotor
- The bearings of the machine are absolutely maintenance-free
- Speed range 1000-1600 r.p.m.
- Relation flow rate/weight 4.6 m<sup>3</sup>/kg
- Drive options: prop shaft drive, hydraulic drive, electric motor drive, diesel and combustion engine drive
- Alfons Haar ancillaries and service



On a typical discharge you can save up to 12 minutes -  
This added value saves you money!!!

- 1,8 l less fuel x € 1,30/l x 220 days  
= 514.80 €

- € 45 per hour labour cost x 12 min x 220 days  
= 1,980.00 €

- Less wear and tear on engine, gears, PTO, prop shaft, compressor  
= 100.00 €

Annual savings in € = 2,594.80 €

12 mins less, also means  
44 hours less noise emission  
+ less environmental pollution per year!

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### Vmax1 achieves more:

- High airflow giving road tanker discharge rates of up to 850 l/min at 2 bar g. or 730 l/min at 2.5 bar g.!
- Computer optimized aspect ratio of body bore diameter to rotor diameter to rotor length giving maximum efficiency! Resulting in low air outlet temperature, high airflow for its size and low specific power requirements!
- Stainless steel rotor and anodized body and side plates for corrosion protection!
- Unique venting of the side plates makes water ingress virtually impossible!
- Very efficient cooling fans on both sides of the Vmax 1 are cooling the bearings and the complete machine!
- Double shaft extension of Vmax1 for clockwise and anticlockwise rotation!
- Vmax1 can be mounted through 360°!
- Easy rebuilding feet allowing a high flexibility if mounting the Vmax1 at the truck chassis!

Alfons Haar ancillaries like companion flanges, suction flanges, pressure flanges, intake air filter, non-return valve, pressure relief valve and mounting brackets are available.

**Alfons Haar recommends the combined pressure relief and check valve KÜR1, optimized for Vmax 1 with high flexibility and for reducing costs!**

