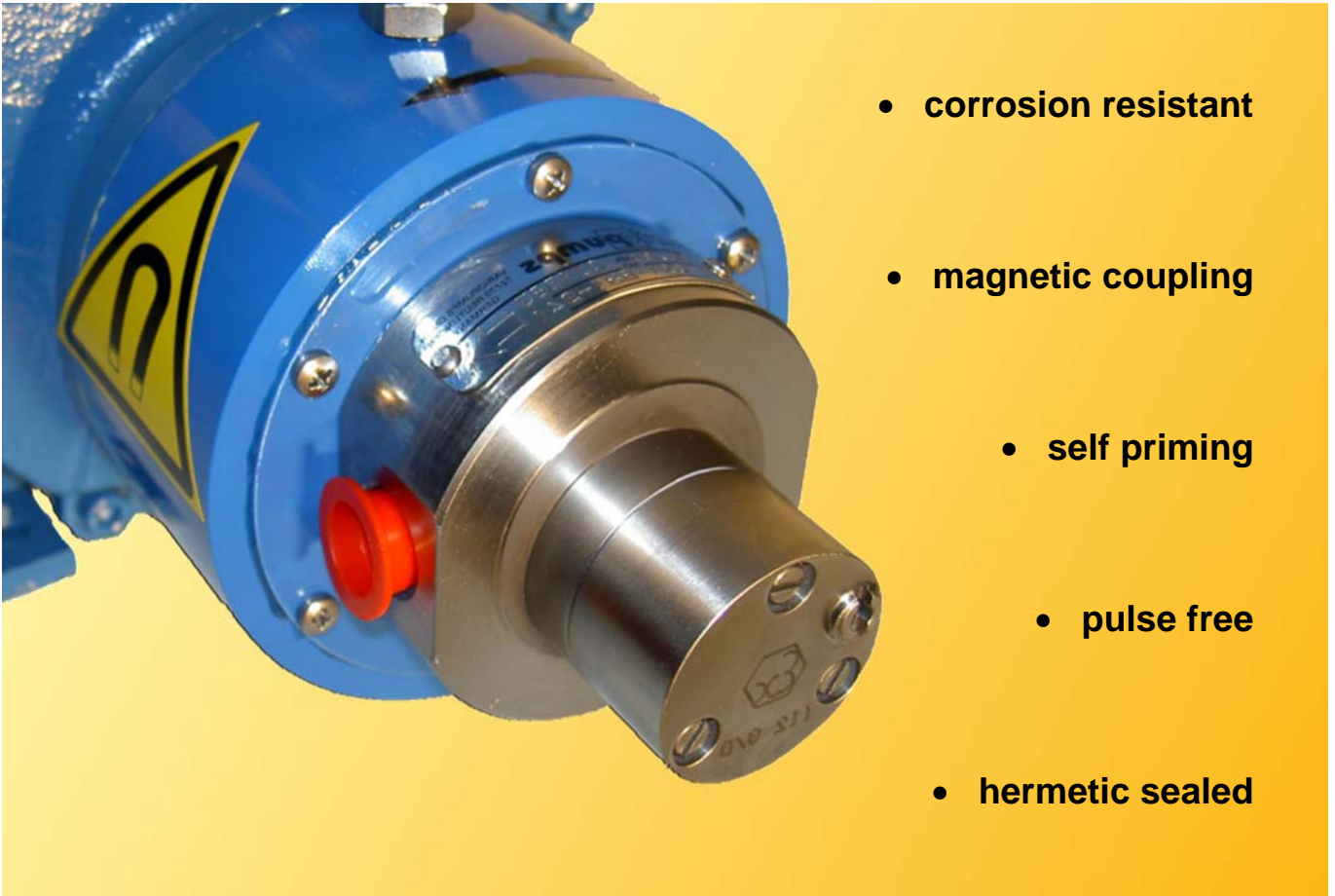


Universal gear pump with ATEX-certification
for little flow rates and metering applications



- corrosion resistant
- magnetic coupling
- self priming
- pulse free
- hermetic sealed

The VPS pump type distinguishes itself with a very good price to benefit relation. The use of corrosion resistant materials provides a large application range. In case of pulse free operation these pumps are especially used for metering. Best efficiency is guaranteed with low- to middleviscous fluids. VPS pumps are fitted with magnetic coupling as a standard. This effects in great reliability. An integrated pressure relief valve protects the pump and the facility from damages due to not admissible pressure. The use in Ex-areas is optional because all pumps have ATEX-certification.

materials	<i>housing</i>	<i>shafts</i>	<i>gears</i>	<i>bearings</i>
	stainless steel (AISI 316)	stainless steel (AISI 316) with anti-wear coating	PTFE PEEK	PTFE PEEK
sealing	magnetic coupling as a standard (single can)			
typical application	viscosity	0,3 bis 2.000 mPas		
	temperature	-10 bis +95 °C		
	system pressure	from vacuum up to 20 bar		
	differential pressure	up to 15 bar		
ATEX-class	II 2 – G/D			

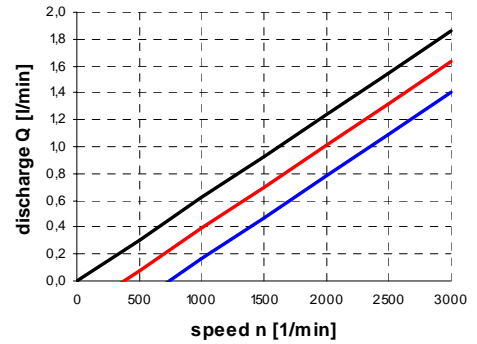
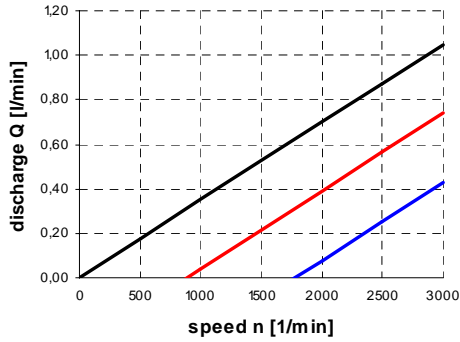
output diagrams

VPS-0,3

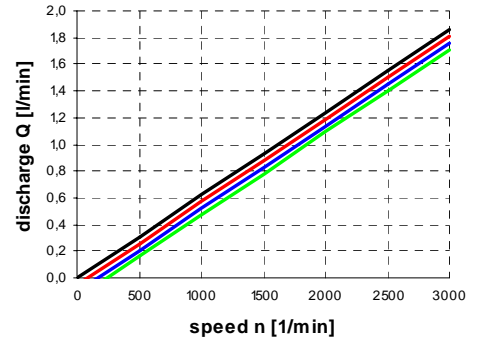
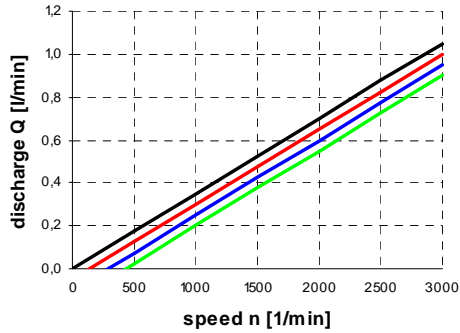
VPS-0,6

- 0 bar
- 2 bar
- 5 bar
- 10 bar

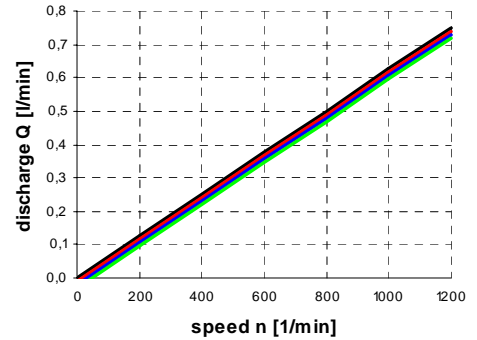
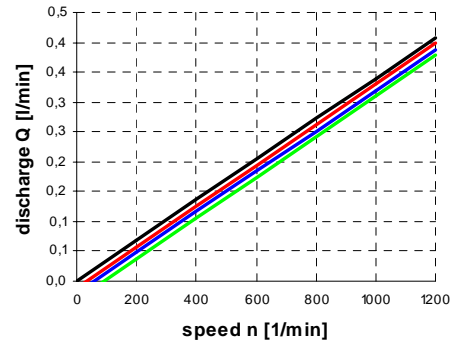
viscosity 1 mPas
(water)
temperature 20°C



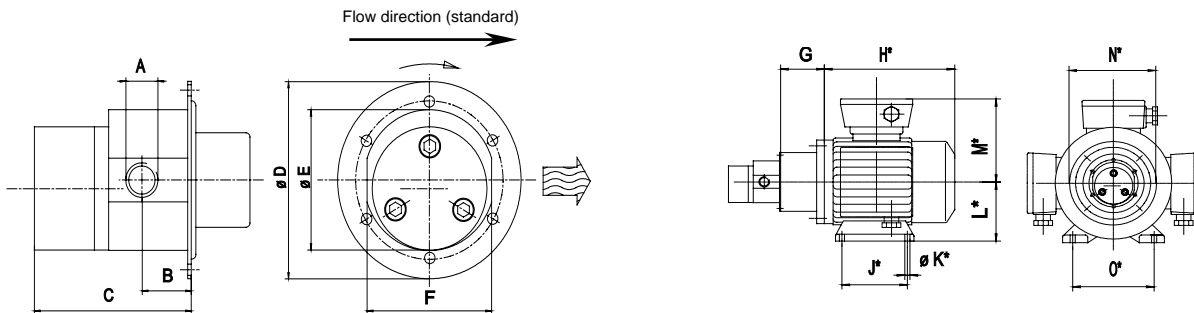
viscosity 30 mPas
(medical oil)
temperature 20°C



viscosity 300 mPas
(engine oil)
temperature 20°C



Remark: These discharge diagrams are only for evaluation of pump size and speed. Depending on the fluid and further operational data (including material combinations) there are many aspects to be considered. Therefore please contact variopumps before final design!



* These measurement depend on the drive type and its size

Indicated measurements are only for a pre-planning. Right to modify reserved.

Pump size	A	B	C	øD	øE	F	G
VPS-0,3	1/8" NPT	15	48	56	40	38	40
VPS-0,6	1/8" NPT	15	52,5	56	40	38	40
VPS-0,6 HD	1/4" NPT	14	55	80	40	64	40