

GATHER Gear Pump

Series 3 for higher flow rates

GATHER is consequently continuing the further development of the pump program with the series 3. The newly developed process pump achieves flow rates up to 4.000 l/h (with a differential pressure up to 14 bar). The pump is suitable for the delivery or metering of lubricating and especially non-lubricating liquids such as water, salt solutions, acids, alkalis and solvents. Based on our proven technology, the wide selection of materials and our know-how, we will find the right solution for your application.



TECHNICAL DATA

Viscosities	0.1 bis 2,000 mPas (cP)
Temperature range	-60 to +300 °C
Flow rate	60 l/h to 4,000 l/h
Differential pressure	up to 14,0 bar
System pressure	up to 100 bar

CHARACTERISTICS	PROPERTY
Materials housing & shafts	Stainless steel, Hastelloy®, titanium and special alloys
Materials gears	Nickel alloy, PEEK, etc.
Materials slide bearings	Carbon, PEEK, etc.
Liquids	Non-lubricating and lubricating liquids
Explosion classes	Zones 1, 2 and 22, temperature classes T1...T6 resp. 100 K below glowing temperature of dust deposits (location 22)
Cleaning	Cleaning in Place (CIP)

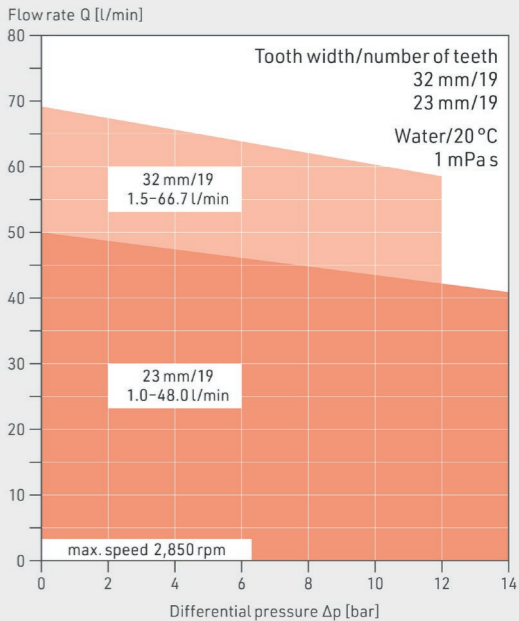
Special feautres:

- + Magnetic coupling – hermetically sealed
Wear and maintenance-free without any leakage of the medium
- + Cooling of slide bearings by internal circulation
Internal circulation of liquids through flush drillings and channels for cooling and producing a sliding film in the bearings
- + Pulsation-free delivery
Speed-dependent delivery characteristics with pulsation-free flow rate
- + Non-lubricating liquids
Use of chemically resistant and high-precision manufactured pump materials (stainless steel, Hastelloy®, titanium, etc.)
- + Robust design and long service life
... due to magnetic coupling, internal circulation, precise manufacturing and pump design in double disc form
- + CIP-capable
Rinsing and cleaning processes in the installed state (Cleaning in Place)



Flow rate characteristic

Series 3



GATHER products are used in almost all sectors of industry. Wherever precise coupling, delivering or dosing of liquids matters. Whether lubricating or non-lubricating, whether low-viscosity or viscous, whether coupling, pump or complete system (incl. pump control circuit).

Our engineering is your solution!

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Pump Technology

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