

Высокоскоростные насосы

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

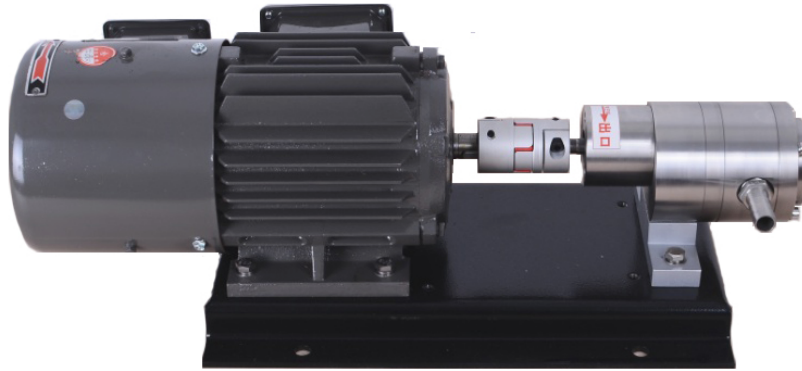
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GEAR METERING PUMP



High speed pump

Condition analysis:

Neutral medium high viscosity industry: tool steel shell, tool steel gear, composite seal

High viscosity weak acid and alkali industry: 9cr18 shell, 9cr18 gear, compound seal

High viscosity and strong acid-base industry: Stellite housing, Stellite gear, perfluoroether mechanical seal

Neutral medium low viscosity industry: housing 304SS, shaft and gear 2205, stainless steel (NSK or SKF) 440 bearing

Strong acid industry: defoamer, hydrogen peroxide, lactic acid, curing agent, acid solution, coating machine adhesive, desulfurizer; nitric acid, hydrofluoric acid, choose 316L or 2205 pump body, 2205 gear, PEEK bushing;

Food industry: for purification, Chinese medicine extract, yeast, honey, syrup and other high hygiene grades, preferred 316SS, shaft and gear 2205, zirconia ceramic bearing

The motor ratio is selected according to the displacement and the viscosity of the medium.

The gear metering pump is a pair of gears that mesh with each other, one of which is the driving gear, and the other is the passive gear, which is driven by the driving gear to rotate. There is a small gap in the housing. When the gear rotates, the enclosed volume between the teeth increases in the suction chamber where the gear teeth gradually disengage, forming a partial vacuum. The liquid is sucked into the suction chamber under the effect of pressure difference. As the gear rotates, the liquid is pushed forward by the gear between the gear and the housing in two ways, and is sent to the liquid discharge chamber. In the liquid

discharge chamber, the two gears are gradually meshed, the volume is reduced, and the liquid between the gears is squeezed to the liquid discharge port. Each time the gear rotates one time, the volume of the discharged liquid is constant. By measuring the rotation speed of the gear metering pump, the flow rate of the gear metering pump is obtained.

Parameters



Speed: 100~1000r/min

Main materials: 304SS, 316SS, 316LSS, 2205, 440

Gear structure: gear and shaft are integrated

Seal: fluorine rubber seal + fluorine rubber O-ring +440 bearing, porcelain bearing, PEEK bushing, (low temperature and low pressure, high temperature and high pressure 25bar)

Working pressure: 0-2.5MPa

Medium viscosity: $\leq 20,000$ CP

Maximum temperature: Common temperature: $\leq 100^{\circ}\text{C}$, maximum temperature 315°C

Pump body accuracy: $\pm 0.5\%$

Available electrodes: servo motor, frequency conversion motor, stepper motor, brushless

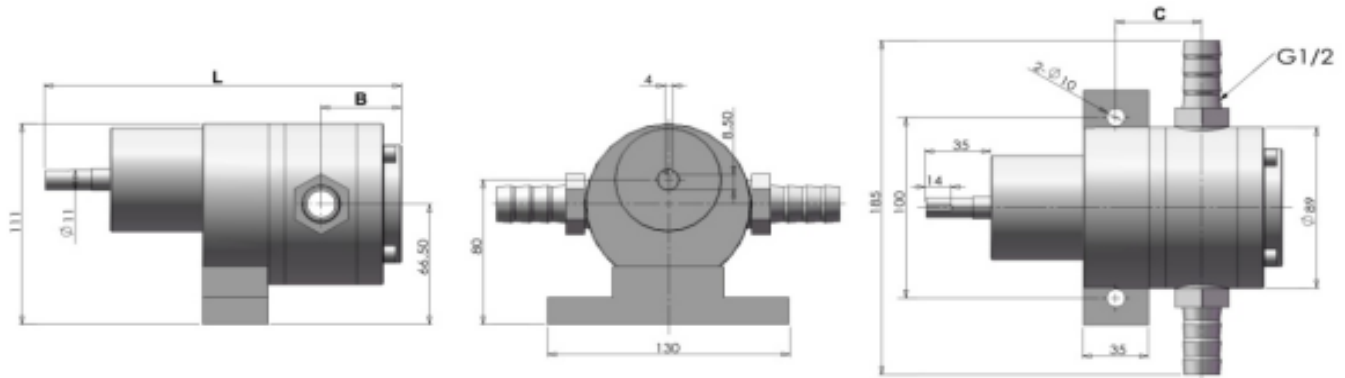
Advantages: Suitable for measuring water, suitable for measuring acid and alkaline media, belonging to light load and high speed, the viscosity can not be higher than 20000CP, the maximum speed can reach 1000 rpm, the speed can be increased from 100 to 1000 rpm.

Application industry

Cement grinding aid, papermaking auxiliary, defoamer, emulsifier, water glass, flame retardant, catalyst, hydrogen peroxide, traditional Chinese medicine extract, textile dye, chemical auxiliary, surfactant, oxidant, scale inhibitor, hard fat Acid, triethanolamine, yeast, lactic acid, curing agent, acidic solution, alkaline solution, coater adhesive, brine, desulfurizer, pulp, film, tape, aluminum-platinum

laminating machine, glue, glue, food filling , transport, metering, measuring most fluid media in the range of 0-14PH, etc...

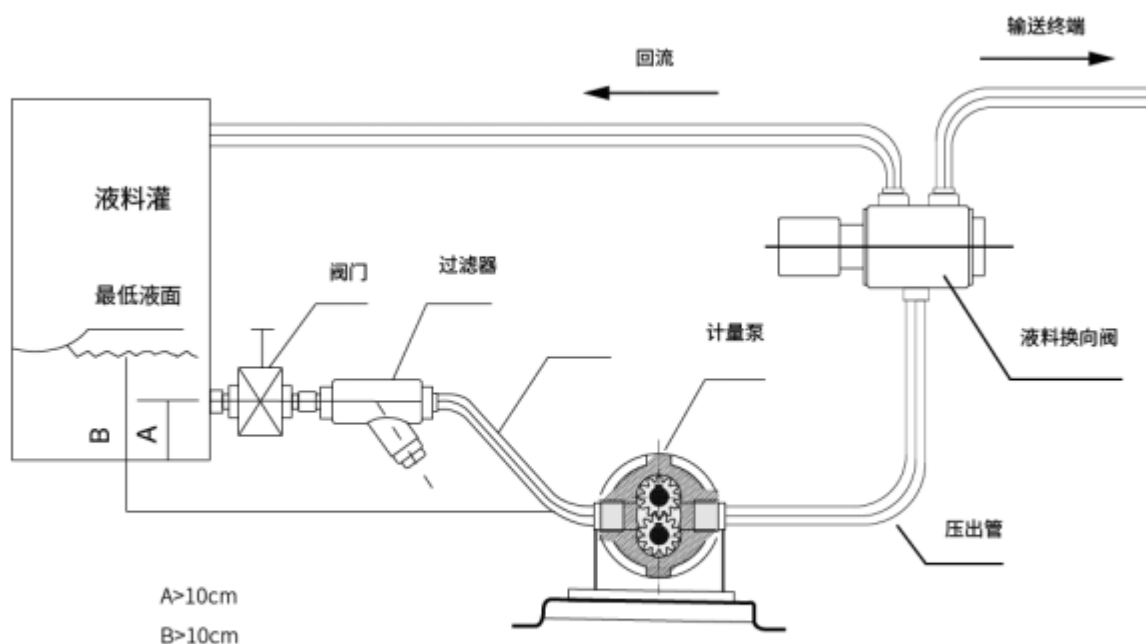
Technical data sheet



Model	FlowL/H	Inlet	Pump size L (mm)	Pump Size B (mm)	Pump size C (mm)	KW、REV r/min	Pressure MPa	Material
HS-5	120	G1/2	191.60	43.25	46.25	0.55、910	0.6	304 316 316L 2205
						0.75、925	1.0	
						1.1、930	1.6	
HS-8	210	G1/2	195.60	43.25	52.25	0.55、910	0.6	
						0.75、925	1.0	
						1.1、930	1.6	
HS-15	300	G1/2	199.60	43.25	54.25	0.55、910	0.6	
						0.75、925	1.0	
						1.1、930	1.6	
HS-20	420	G1/2	207.60	43.25	62.25	0.55、910	0.6	
						0.75、925	1.0	
						1.1、930	1.6	
HS-30-1	540	G1/2	212.60	43.25	67.25	0.55、910	0.6	
						0.75、925	1.0	

						1.1、 930	1.6
HS-30-2	600	G3/4	217.10	79.50	35.50	0.75、 925	1.0
						1.1、 930	1.6
HS-30-L	900	G3/4	232.10	87	43	0.75、 925	1.0
						1.1、 930	1.6
HS-40	1200	G3/4	/	/	/	1.1、 930	1.0
						1.5、 940	1.6

The measurement data is carried out under normal pressure, and the viscosity of the medium does not exceed 200cps, which exceeds the selection range and needs to be customized separately.



阀门：valve；过滤器：filter；计量泵：Metering pumps；压出管：Press out the tube；
液料换向阀：Liquid material directional valve；回流：Reflow；输送终端：Conveying
terminal
最低液面：Minimum liquid level)

GEAR METERING PUMP

HIGH VISCOSITY | STAINLESS STEEL | LONG LIFE

Main Application:

Resins, emulsifiers, additives, corrosives, polyurethanes, binders, acids and acidic solutions, oxidizing agents; hydrogen peroxide, hot melt adhesives, lubricants.....

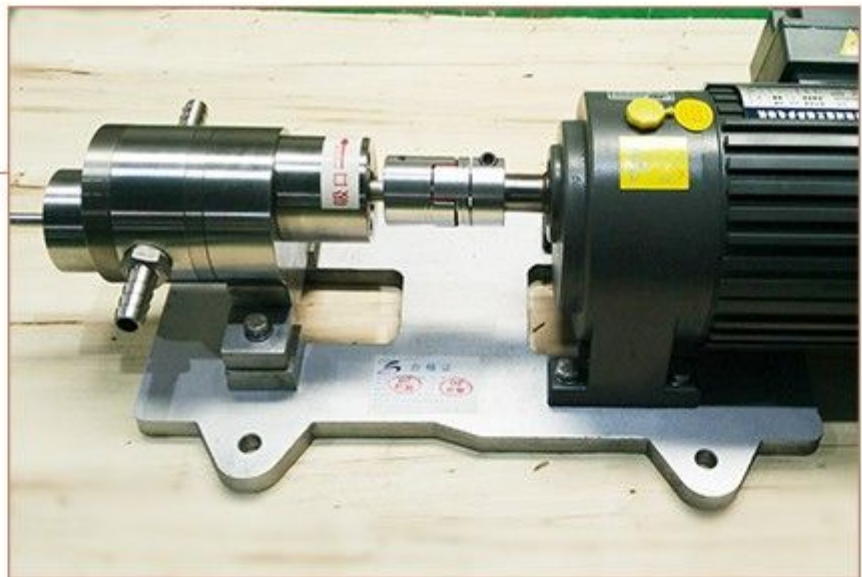


Variety Standard



Explosion Proof
Gear Pump

Heat Preservation
Gear Pump



Stainless Steel
Gear Pump

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