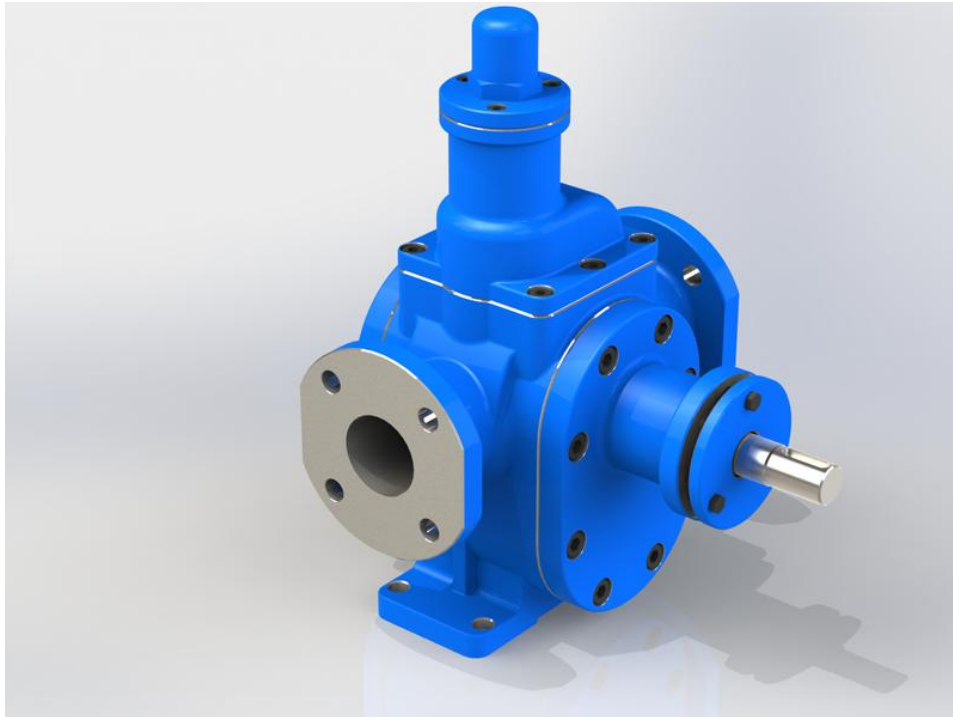


PRODUCT SPECIFICATIONS

MODEL: SGK

HIGH TEMPERATURE GEAR PUMP



Performance Range

Applicable range: temperature $\leq 250^{\circ}\text{C}$, viscosity 5~1500Cst.

Performance range: flow rate 0.6-58 m³/h, pressure $\leq 0.33\text{-}1.6\text{Mpa}$

Product Benefits

This type of pump is equipped with a safety valve, which can effectively prevent overload and damage to the pump and motor

Application Areas

SGK high temperature gear pump is particularly suitable for conveying high temperature thermal oil, heavy oil and petrochemical products without solid particles and fibers and other liquid substances. It is an ideal product for conveying high temperature media

Structural Characteristics

- The pump primarily consists of a pump body, gears, shaft, bearings, safety valve, front cover, rear cover, seals, and couplings.
- Pumps equipped with a safety valve open when the hydraulic pressure in the discharge line exceeds the pump's specified value, protecting the pump and prime mover from damage due to excessive pressure.
- Three types of shaft end seals are available: stuffing box and mechanical seal. Users can select the appropriate seal structure based on specific operating conditions.
- The pump is self-priming, and the moving parts within the pump are lubricated by the pumped liquid, allowing operation without the addition of priming fluid or lubricant.

SGK Series High Temperature Gear Pump Model Data Sheet

Model	Flow Capacity		Discharge Pressure	Suction Vacuum	Port Size	Speed	Motor	
	m ³ /h	l/min	Mpa	m	mm	r/min	(kW)	Model
SGK-1	1	16.7	0.6	3	Ø25	1400	1.5	Y90L-4
			1					
SGK-1.5	1.5	25	0.6	3	Ø25	1400	1.5	Y90L-4
			1					
SGK-2	2	33.3	0.6	3	Ø25	1420	2.2	Y100L1-4
			1					
SGK-3	3	50	0.6	3	Ø25	1420	2.2	Y100L1-4
			1				3	Y100L2-4
SGK-5	5	83.3	0.6	3	Ø40	1420	3	Y100L2-4
			1				4	Y112M-4
SGK-6	6	100	0.6	3	Ø40	1420	3	Y100L2-4
			1				4	Y112M-4
SGK-7.5	7.5	125	0.6	3	Ø50	1440	4	Y132M2-6
			1				5.5	Y132M2-6
SGK-10	10	167	0.6	3	Ø50	1440	5.5	Y132S-4
			1					
SGK-12	12	200	0.6	3	Ø55	960	5.5	Y132M2-6
			1					
SGK-15	15	250	0.6	3	Ø55	1440	5.5	Y132S-4
			1					
SGK-18	18	300	0.6	3	Ø70	970	5.5	Y132M2-6
			1				7.5	160M2-6
SGK-29	29	480	0.6	3	Ø70	1460	11	Y160M-4
			1					
SGK-38	38	633	0.6	3	Ø100	970	15	Y180L-6
			1			980	22	Y200L2-6

MODEL SELECTION:

MODEL SELECTION TABLE										
SGK	*	*	*	*	*	*	*	*	*	
MODEL		Follow above Performance Data table								
CONNECTION SIZE		Follow above Performance Data table								
PRESSURE		Follow above Performance data table								
BODY MATERIAL	C1		Cast Iron HT200							
	C2		Cast Iron 450							
INTERNAL GEAR MATERIAL	G1		CARBON STEEL							
	G2		Special material							
SEAL TYPE	M		Mechanical							
	P		Glands packings							
FILTER	F		With Filter							
	N		Without Filter							
DRIVE TYPE	D		Direct Coupled							
	G		Geared Reducer							
MOTOR	S		Standard IE3, Non Explosion Proof							
	E		Explosions proof IE3							

Contact Us

Business Hours

📞 Weekdays: 8.30AM to 5.30PM
 Weekends: Closed

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