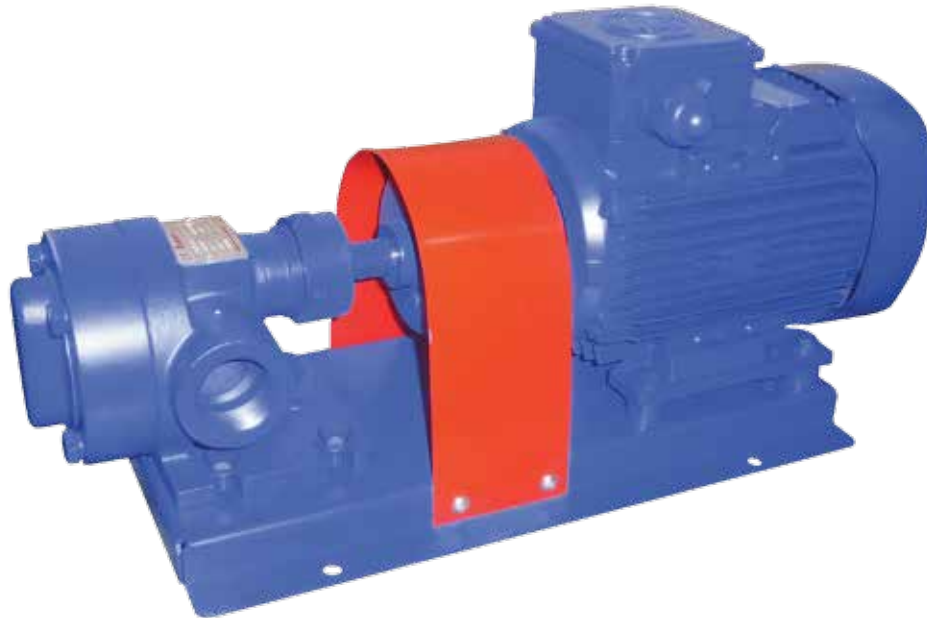


SDY Type Gear Pumps

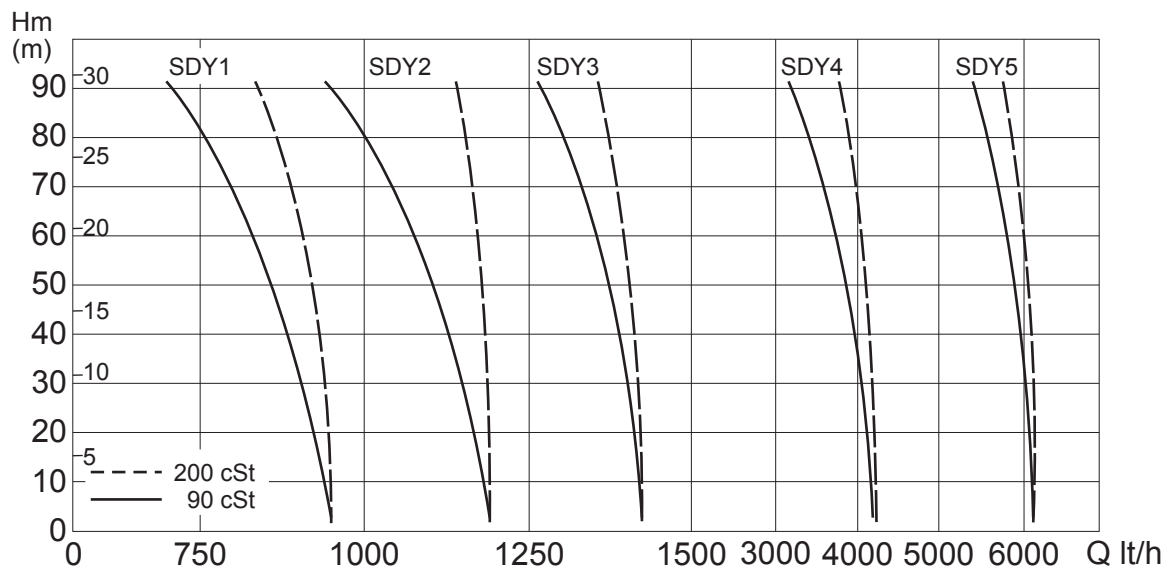


TECHNICAL DATA

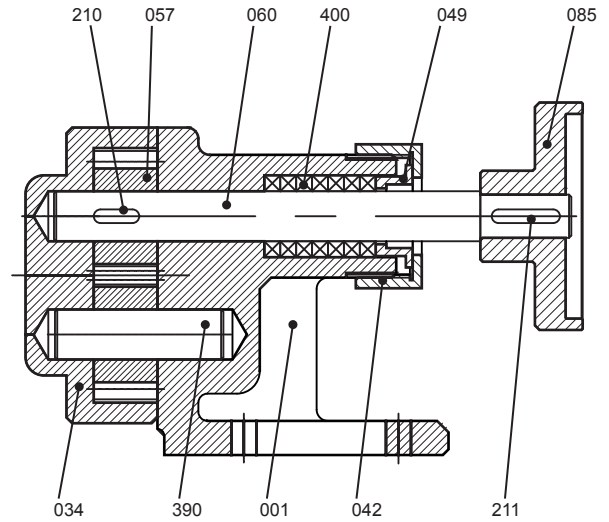
Head..... up to 10 - 100 m
Flow..... 0.25 - 6 m³/h
Working Temperature..... up to 130 °C
Speed..... 1450 rpm

APPLICATION AREAS

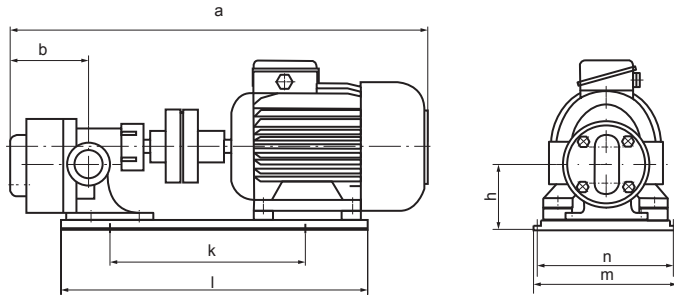
Petroleum industry, industrial oils, food and drink industry, without solid particles and all of viscous fluids with lubricating properties.



PART LIST	MATERIAL
001 - Casing	Casing..... GG-25
034 - Casing Cover	Shaft..... St- 70
042 - Sleeve	Gear..... St- 70
049 - Gland	Soft Packing..... Teflon
057 - Gear	Gland..... MS-58
060 - Shaft	Sleeve..... MS-58
085 - Coupling	
210 - Gear Key	
211 - Coupling Key	
390 - Pin	
400 - Soft Packing	



General Drawing



PUMP TYPE	Inlet	Outlet	rpm	Flow				Dimensions																												
				Q lt/h	Hm	HP		a	b	h	k	l	m	n																						
SDY - 1	1"	1"	1450	Q lt/h	900	850	800	700	490	75	90	260	380	220	195																					
Hm				30	50	70	90																													
HP				½																																
SDY - 2				Q lt/h	1150	1100	1050	950	510							80	90	260	380	220	195															
Hm				30	50	70	90																													
HP				¾																																
SDY - 3				Q lt/h	1400	1350	1320	1300	510													85	90	260	380	220	195									
Hm				30	50	70	90																													
HP				1																																
SDY - 4				1.¼"	1.¼"	1450	Q lt/h	4000	3800																			3600	3400	580	100	110	290	450	240	215
Hm							30	50	70																			90								
HP							1.½																													
SDY - 5	Q lt/h	6000	5900				5700	5500	585	110	125	290	450	240	215																					
Hm	30	50	70				90																													
HP	2																																			

ASSEMBLY

- 1- The suction and discharge pipes shouldn't make any stress on the pump casing.
- 2- The pump need to assembly on concrete ground and it must be alligned.
- 3- The Suitable filter must be assembly for pump suction.

START-UP

- 1- You should select a proper thermic switch and adjust it according to motor nominal current.
- 2- Don't run the pump as dry. In order to prevent dry run condition, put a floater in the suction tank.
- 3- Before start-up, you should check the shaft whether there is any stuck or not.
- 4- Suction and discharge pipes must be fill with fluid.
- 5- Suction and discharge valves must be comletely open.
- 6- The motor direction must be checked.
- 7- After pump runing you should adjust seal leakage etc. 15 drops per minute.

MAINTENANCE

- 1- You should clean the filter once per week.
- 2- You should check the amount of fluid dripping from the seal.

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