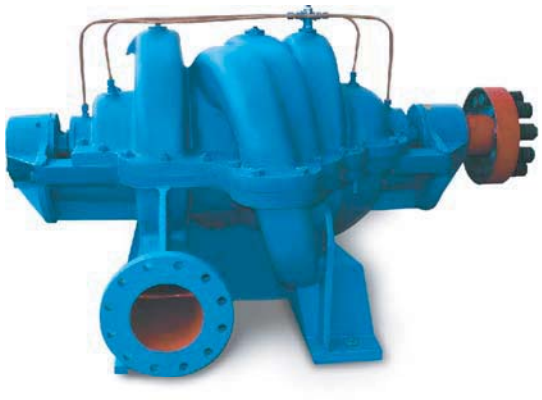
SLOW

SLOW CENTRIFUGAL PUMP OF DOUBLE-STAGE AND DOUBLE-SUCTION BISECT VOLUTE TYPE



PRODUCT OUTLINE

SLOW Centrifugal Pump of Double-stage and Doublesuction Bisect Volute Type is specially designed and manufactured by our company for using in the occasions which require large flux and high lift, such as iron works, electric power plants and pump station, etc. In combination with advanced design experience of double-stage bisect pump at home and aboard, the products are processed by using special machine tool. This product is applicable for feeding such media as water or liquid similar to water at the temperature from -10℃ to 80℃

PRODUCT CHARACTERISTIC

- ☐ Water inlet and outlet are all installed in pump body. Just hoist the pump cover when overhaul, greatly facilitating maintenance.
- ☐ Primary-stage double-suction and secondary-stage single-suction of impeller adopted, greatly improving anti-cavitation performance of pump and decreasing axial dimension of pump.
- ☐ At rotary speed of 1480 rpm, avoiding vibration caused by high rotary speed.
- ☐ In comparison with single-stage pump, the products have same performance and smaller impeller diameter and stable operation.
- ☐ The pumping chamber adopts double-volute design, reducing radial force.
- ☐ Applying rolling bearing and lubrication with grease or thin oil and facilitating the maintenance of bearing.
- ☐ Designing in virtue of international advanced hydromechanics software, modeling by using 3DM software, and checking the strength with finite element software, ensuring high efficient, stable and reliable operation of pump.
- ☐ Fully mechanical seal ensures no leakage within 8000 h, and packing seal is customizable.
- ☐ The pump turns clockwise, and anticlockwise turning is customizable.
- ☐ This product has applied for national patent (patent number: ZL200520046059.0)

ABOUT The MODEL

SL OW 250 - 610× 2

- 2 Two impellers
- Nominal diameter of impeller
- Outlet diameter of pump
- Double-stage and double-suction centrifugal pump
- Pump Type

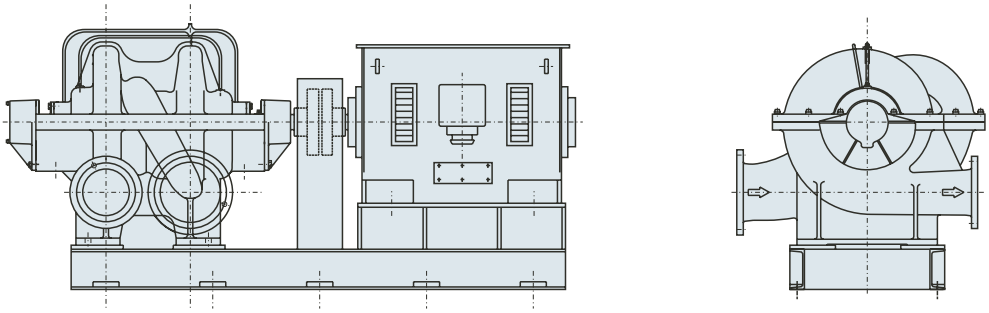
MAIN PART MATERIAL

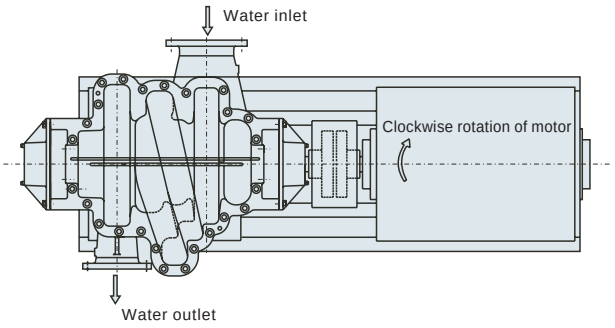
Part	Material		Part	Material	
Pump body	◆ Cast iron	HT250	Shaft	◆ Carbon steel	40Cr
	Magnesium iron	QT400-18		Stainless steel	2Cr13
	Cast steel	ZG230-450			
Pump cover	◆ Cast steel	HT250	Seal ring	◆ Cast steel	HT200
	Magnesium iron	QT400-18		Stainless steel	2Cr13
	Cast steel	ZG230-450		Magnesium iron	QT400-18
Impeller	◆ Cast iron	HT250			
	Magnesium iron	QT400-18			
	Stainless steel	1Cr18Ni9Ti			
	Cast steel	ZG230-450			

◆ denotes general supply, to be supplied as request.

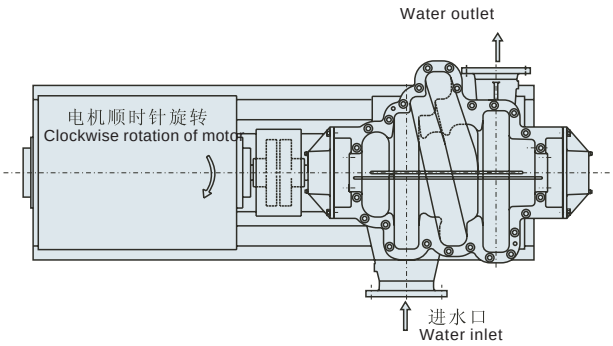
SCHEMATIC DRAWING OF PUMP TURNING

clockwise（ normal ）



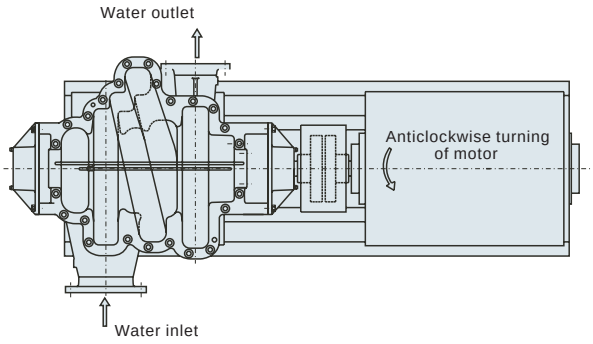


The pump can also be manufactured as per A, B and C turning directions, which shall be specified in contract.

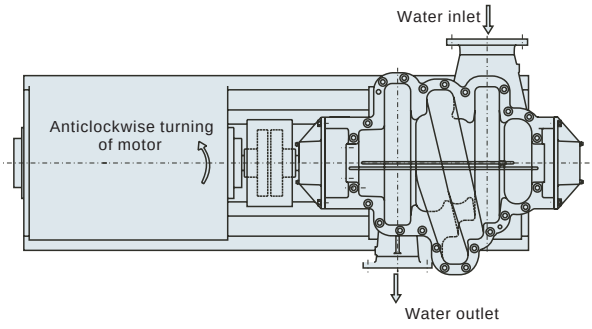


A

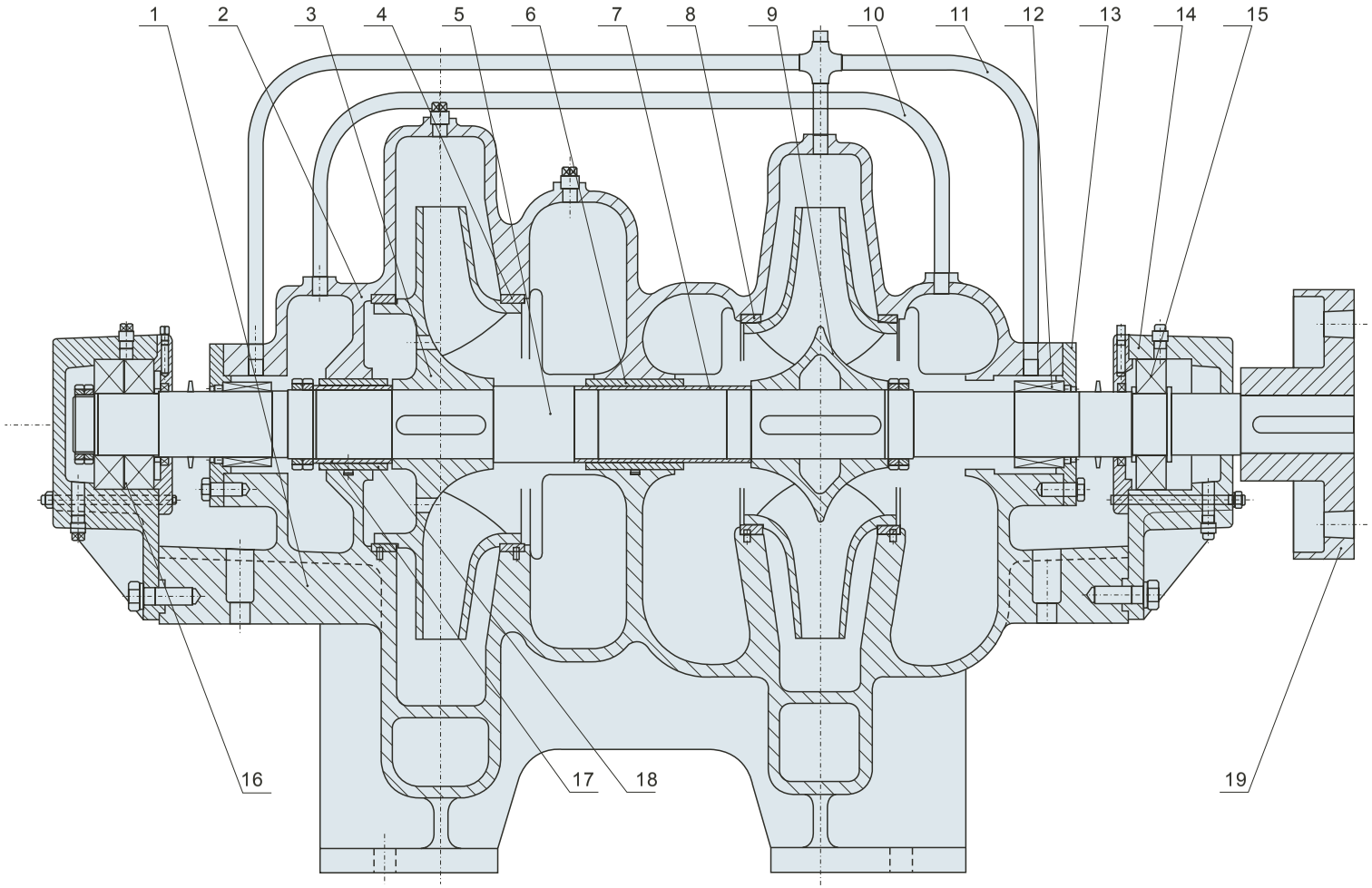
B



C



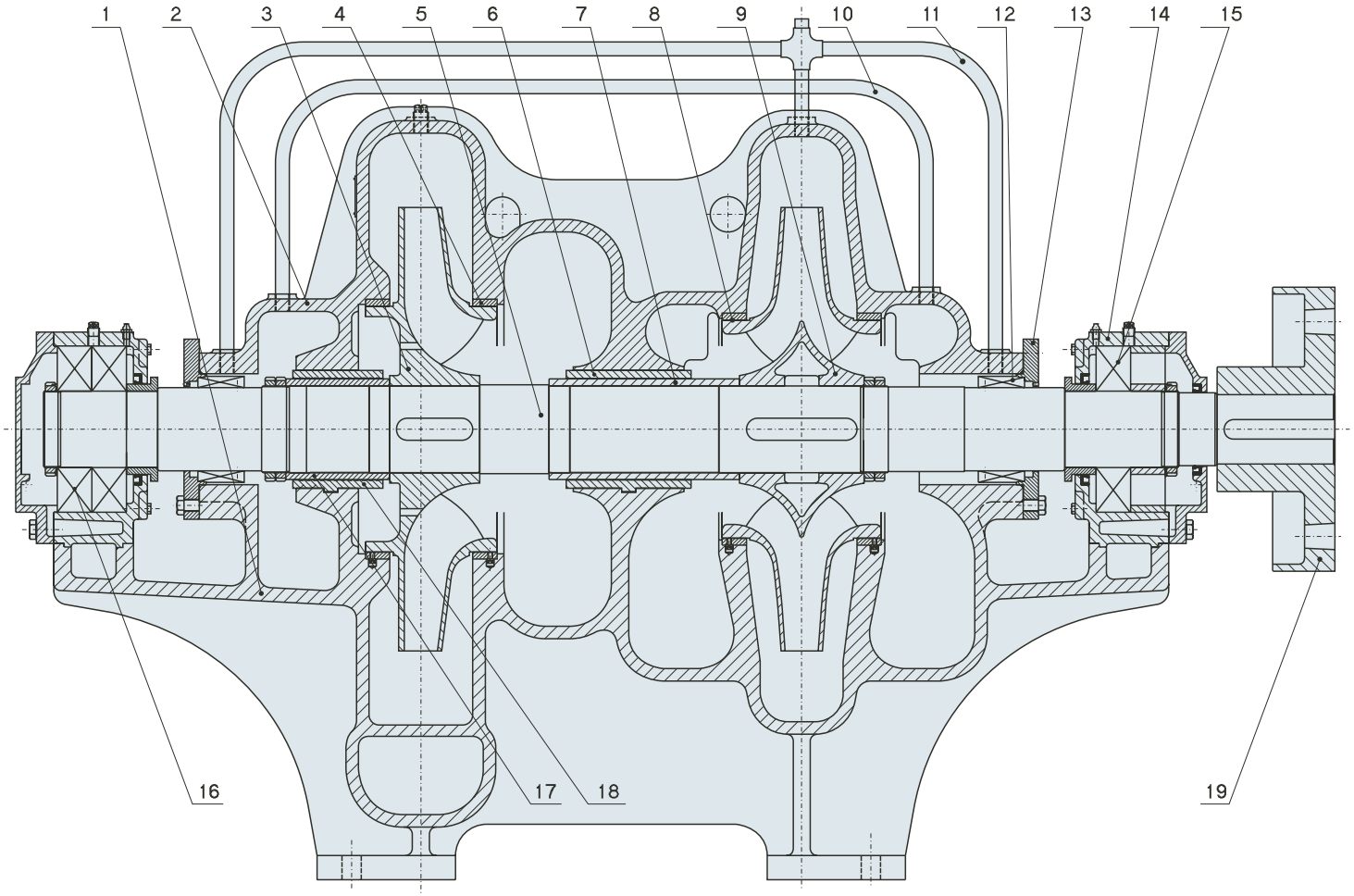
PUMP STRUCTURE DARWING



Structural diagram 1 (for SLOW150-570×2 and SLOW200-530×2)

1	Pump casing	2	Pump cover	3	Secondary-stage impeller	4	Seal ring	5	Shaft	6	Interstage cover	7	Shaft sleeve A	8	Seal ring	9	Primary-stage impeller	10	Balancing water pipe
11	Water-sealed pipe	12	Mechanical seal	13	Gland of mechanical seal	14	Bearing body	15	Bearing	16	Bearing	17	Shaft sleeve B	18	Releasing cover	19	Clutch		

PUMP STRUCTURE DARWING



Structural diagram 2 (for SLOW250-610×2)

1	pump casing	2	Pump cover	3	Secondary-stage impeller	4	Seal ring	5	Shaft	6	Interstage cover	7	Shaft sleeve A	8	Seal ring	9	Primary-stage impeller	10	Balancing water pipe
11	Water-sealed pipe	12	Mechanical seal	13	Gland of mechanical seal	14	Bearing body	15	Bearing	16	Bearing	17	Shaft sleeve B	18	Releasing cover	19	Clutch		

PERFORMANCE DATA

Pump type	Q		H	n	P	η	(NPSH) r	W
	(m^3/h)	(L/s)	(m)	(r/min)	(Kw)	(%)	(m)	(Kg)
SLOW150-570×2	320 450 580	89 125 161	228 210 184	1480	400	77	4	1760
SLOW150-570×2A	280 400 520	78 110 144	194 180 160	1480	315	76		
SLOW150-570×2B	240 350 460	67 97 128	172 160 142	1480	250	75		
SLOW200-530×2	600 760 950	167 211 264	185 170 148	1480	560	78	4.2	2200
SLOW200-530×2A	550 740 900	153 206 250	178 160 139	1480	500	77		
SLOW250-610×2	900 1250 1550	250 347 431	262 240 206	1480	1120	83	4.4	2800
SLOW250-610×2A	800 1150 1400	222 319 389	228 210 180	1480	900	82		
SLOW250-610×2B	750 1080 1300	208 300 361	200 180 158	1480	800	81		
SLOW250-610×2C	700 1000 1200	194 278 333	170 150 128	1480	560	80		