

ShinMaywa Submersible Sewage Pump CNX/CNXH(Explosion Proof)

Mechanical Seal , Ball Bearing and Lubrication Oil List

Bearing and Mechanical Seal information

Discharge	Solid Size	Model		HP	Bearing Type		Mechanical Seal Size
		Motor	Impeller		Upper	Lower	
4"	3"	4CNXH411T*E	110-2H	15	AC6306ZZC3	7310BDB	φ 45
		4CNXH415T*E	150-2H	20	AC6309ZZC3	7312BDB	φ 50
		4CNXH418T*E	185-2HD	25			
		4CNXH422T*E	220-2HD	30			
		4CNXH430T3E	300-2MD 300-2HD	40	AC6309ZZC3	7312BDB	φ 55
		4CNXH437T3E	370-2MD 370-2HD	50	AC6309ZZC3	7315BDB	φ 60
6"	3"	6CNX411T*E	110-2H	15	AC6306ZZC3	7310BDB	φ 45
		6CNX415T*E	150-2H	20	AC6309ZZC3	7312BDB	φ 50
		6CNX418T*E	185-2HD	25			
		6CNX422T*E	220-2HD	30			

Lubricating Oil

Discharge	Solid Size	Model		HP	Lubricating Oil		
		Motor	Impeller		Capacity (ozs)	Capacity (cc)	Name
4"	3"	4CNXH411T*E	110-2H	15	88	2600	Turbine Oil #32
		4CNXH415T*E	150-2H	20	166	4,900	
		4CNXH418T*E	185-2HD	25			
		4CNXH422T*E	220-2HD	30			
		4CNXH430T3E	300-2MD 300-2HD	40	169	5,000	
		4CNXH437T3E	370-2MD 370-2HD	50	271	8,000	
6"	3"	6CNX411T*E	110-2H	15	88	2,600	
		6CNX415T*E	150-2H	20	166	4,900	
		6CNX418T*E	185-2HD	25			
		6CNX422T*E	220-2HD	30			

DWG.	Hayashi	Apr. 25. 2017	Mark	History			DWG. No. Y404928
JUDG.	Takeuchi	Apr. 25. 2017					
APRD.	Tarui	Apr. 25. 2017					

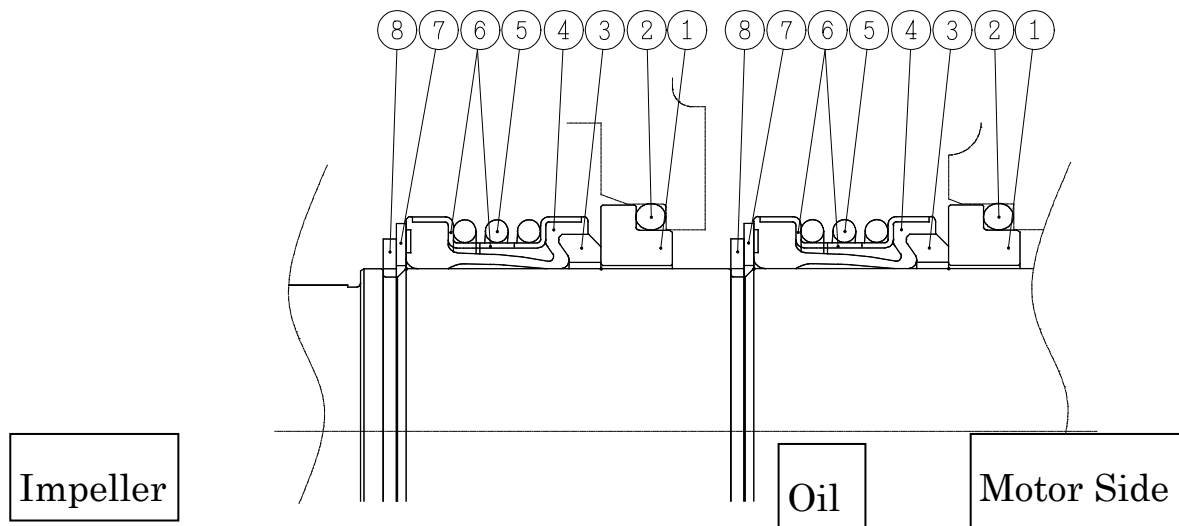
Mechanical Seal

Mechanical seal is the most critical part of submersible pumps.

CNX/CNXH employs The Type 2100 (John Crane).

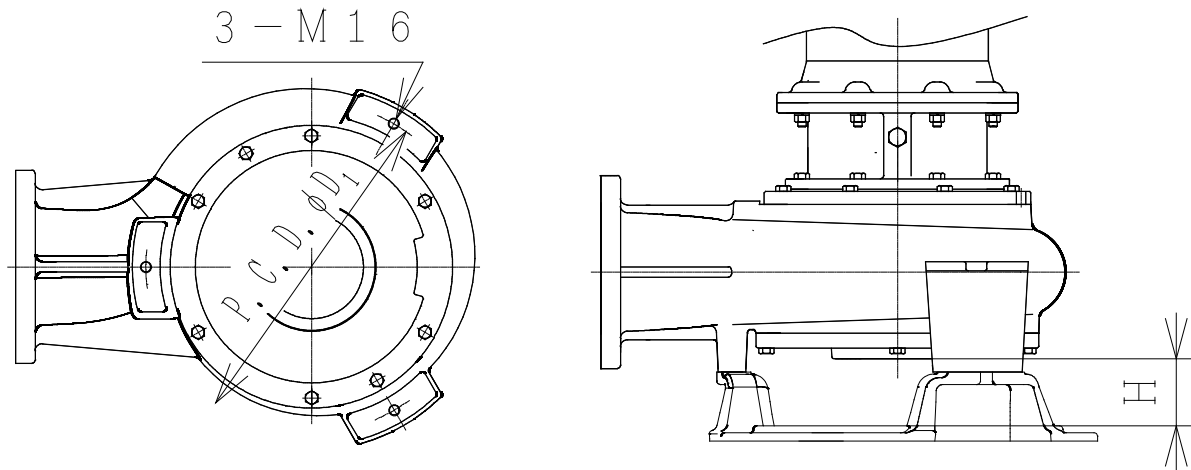
Type 2100 is compact, unitized, single spring, elastomer bellows type mechanical seal.

Each seal interface are held in contacted by its own spring system and also the position of both mechanical seals shall be depended on the shaft.



No.	Part Name	Materials
1	Mating Ring	SiC
2	O-Ring	FKM
3	Primary Ring	SiC
4	Bellows	FKM
5	Drive Band	AISI 316 Stainless Steel
6	Spring	AISI 316 Stainless Steel
7	Fixing Plate	AISI 316 Stainless Steel
8	Retaining Ring	AISI 316 Stainless Steel

Tap Information for Stand



	Solid Size	Model		HP	P.C.D φD1	Clearance H	Depth of threaded hole
		Type	Impeller No.				
4inch	3inch	4CNXH411T*E	110-2H	15	18 ⁷ / ₈ inch (480mm ^{±0.3})	3 ³ / ₄ inch (95mm)	1 ¹ / ₃ inch (34mm)
		4CNXH415T*E	150-2H	20			
		4CNXH418T*E	185-2HD	25			
		4CNXH422T*E	220-2HD	30			
		4CNXH430T3E	300-2MD 300-2HD	40	21 ¹ / ₄ inch (540mm ^{±0.3})	4 inch (102mm)	1 ¹ / ₃ inch (34mm)
		4CNXH437T3E	370-2MD 370-2HD	50			
6inch		6CNX411T*E	110-2H	15	18 ⁷ / ₈ inch (480mm ^{±0.3})	3 ³ / ₄ inch (95mm)	1 ¹ / ₃ inch (34mm)
		6CNX415T*E	150-2H	20			
		6CNX418T*E	185-2HD	25			
		6CNX422T*E	220-2HD	30			