

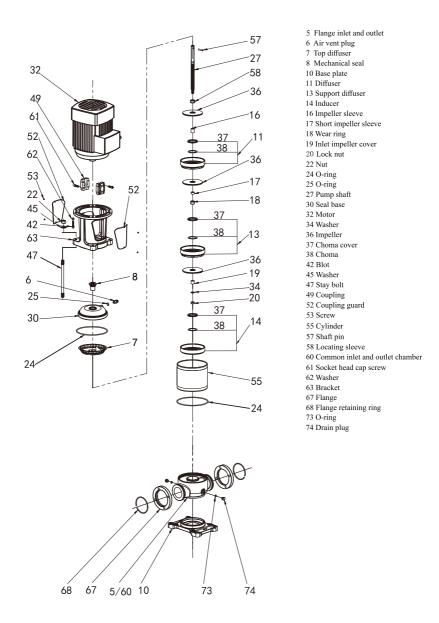
Vertical multi-stage pumps

VMS 1 - 5 Series Assembly Procedures

WATER SUPPLY • INDUSTRIAL BOOSTING • INDUSTRIAL LIQUID TRANSFER • WATER TREATMENT • IRRIGATION



		5	Summit Series VMS	pump assembly tools	3	
	Tool name	Tool specification	Application	Where to use it	Remarks	Tool picture
1	Rubber hammer		All models	Knock the seal base to make it tighter if necessary		1
	Double offset ring spanners	10mm	M6			
		14mm	M8			3
		17mm	M10	For nuts #22 and Bolts #42 & #80		1
2		19mm	M12			
		22mm	M14			
		24mm	M16	For nuts #6 & #74		
		2.5mm	For mechanical seal screw VMS 1-20			A STATE OF
	Allen keys	3mm	For mechanical seal screw VMS 32-90	Mechanical Seal retaining screws		
3		5mm	M6	Loosening and tightening of the shaft coupling		
		6mm	M8	the shart coupling		100
		8mm	M10			Street, Street
4	Phillips screwdriver		M4	Coupling guard retaining screws		
			M5	3510115		
5	Open spanner .	12mm Across Face	NJK12 (VMS 1-5)	For machining and		4
Ů		16mm Across Face	NJK16 (VMS 10-20)	For mechanical seal.		7
6	Jig	Assembly Jig #1	VMS 1-5	Shaft support.		
		Assembly Jig #2	VMS 10-20	Shaft support.	1	

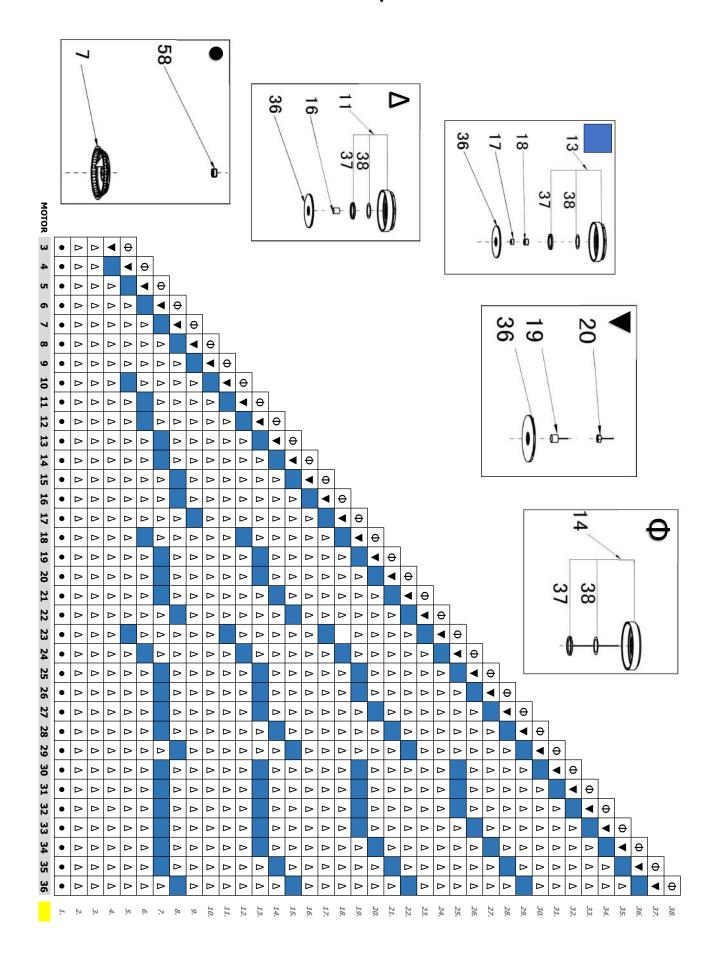


Exploded view VMS Series 1 - 5

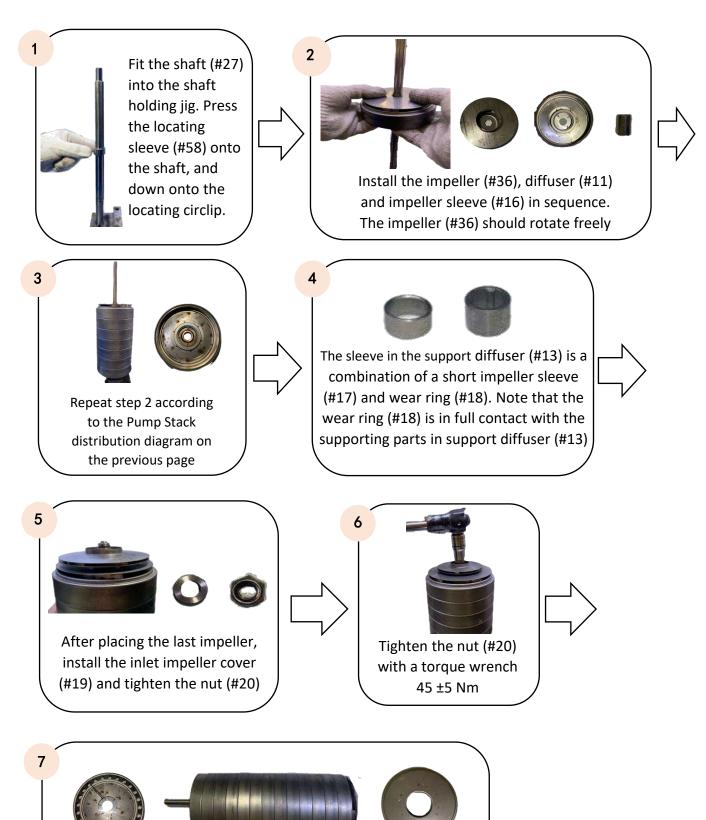
SUMMIT VMS Series 1 - 5 components list						
No.	Name	Photo		No.	Name	Photo
5	Inlet & outlet chamber			17	Short impeller sleeve	0
6	Airvent			18	Wearring	
7	Top diffuser			19	Inlet impeller cover	
8	Mechanical seal			20	Lock nut	
10	Base plate for flange connection			22	Nut	
11	Diffuser			24	O ring	O
13	Support diffuser			25	O ring	
14	Inducer			27	Shaft	
16	Impeller sleeve			30	Seal base	

	SUMMIT VMS Series 1 - 5 components list						
No.	Name	Photo		No.	Name	Photo	
32	Motor			57	Shaft pin	-	
34 45 62	Washer			58	Locating sleeve		
36	Impeller			61	Socket Head Cap Screw	All the designation of the last of the las	
42	Bolt			63	Bracket	E	
47	Staybolt			67	Flange		
49	Coupling			68	Retaining ring		
52	Coupling guard			73	O-ring		
53	Screw			74	Drain plug		
55	Cylinder						

VMS 1 ~ 5 Component Order



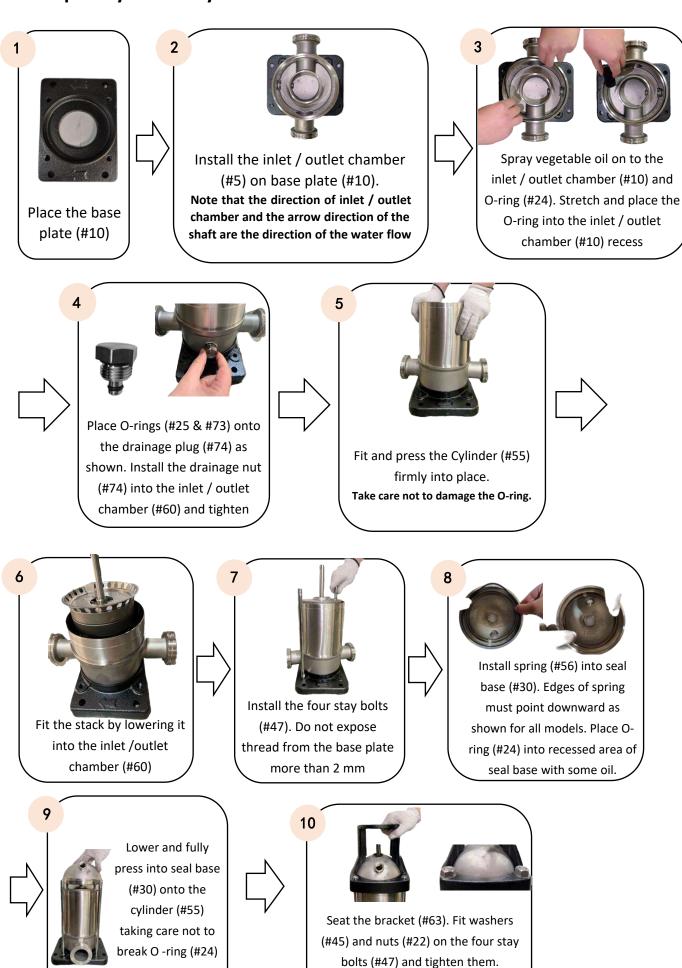
Stack assembly



Note that the top diffuser (#7) and the inducer (#14) need to be inserted when assembling the pump body.

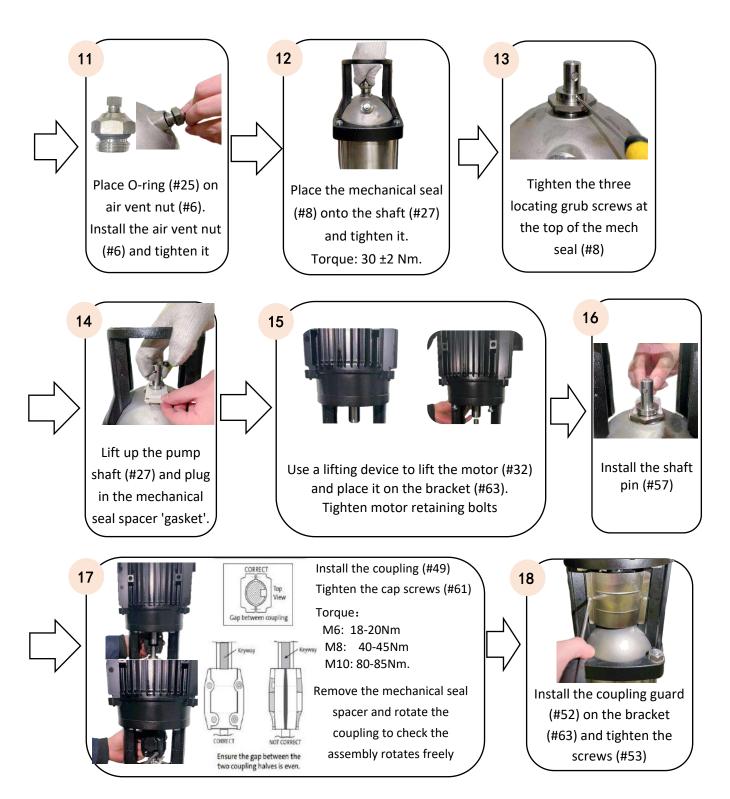
The top diffuser (#7) is placed on top (left side), and the inducer (#14) is placed on the bottom (right side)

Pump Body Assembly Part A



Torque requirement 50 ± 5Nm.

Pump Body Assembly Part B





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