

MS、MSH型挖泥泵

MS/MSH Dredging Pump

概述General

MS(MSH)型挖泥泵采用了以卡带连接的单泵壳结构，为单级单吸悬臂卧式离心泵。具有重量轻、汽蚀性能好、抗磨蚀性强、过流通道宽畅，安装使用方便等优点。可对大颗粒强磨蚀泥沙连续输送，适用于挖泥船挖泥、疏浚河道。

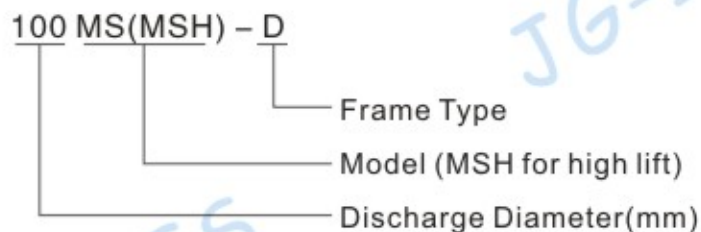
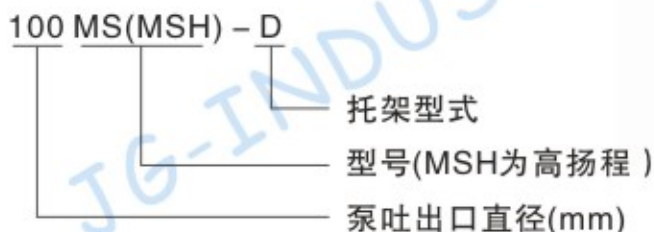
该泵由泵头、密封组件、轴承组件、托架等组成。轴承润滑方式为脂润滑。过流部件叶轮、泵体、前护板、后护板均采用强抗磨合金铸铁或耐磨合金钢，硬度不低于58HRC。

MS (MSH) type dredge pump used to connect tapes of single pump shell structure, for single stage single suction cantilever horizontal centrifugal pump. With light weight, cavitation performance is good, resistance to abrasion resistance, circulation way spacious, convenient installation etc. For large particles strong abrasion clay sand continuous conveying, applicable to dredge dredging, dredging.

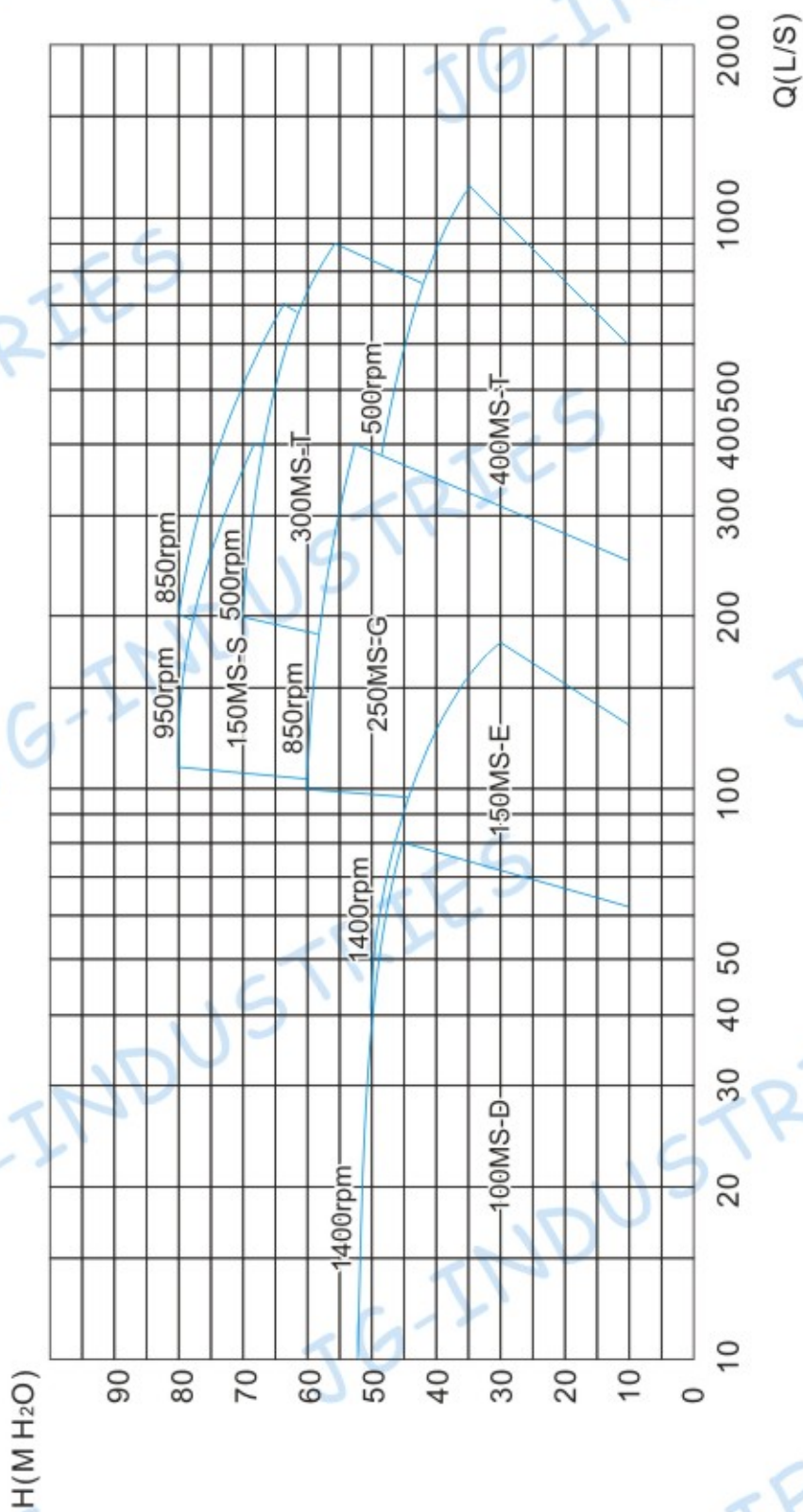
This pump is composed of pump head, seal assembly, bearing components, bracket, etc. Bearing lubrication way as the grease lubrication. Flow components impeller, pump body, front plate, plate after all use strong antifriction alloy cast iron or wear resistant alloy steel, hardness is not low and 58 HRC.



型号意义Notation

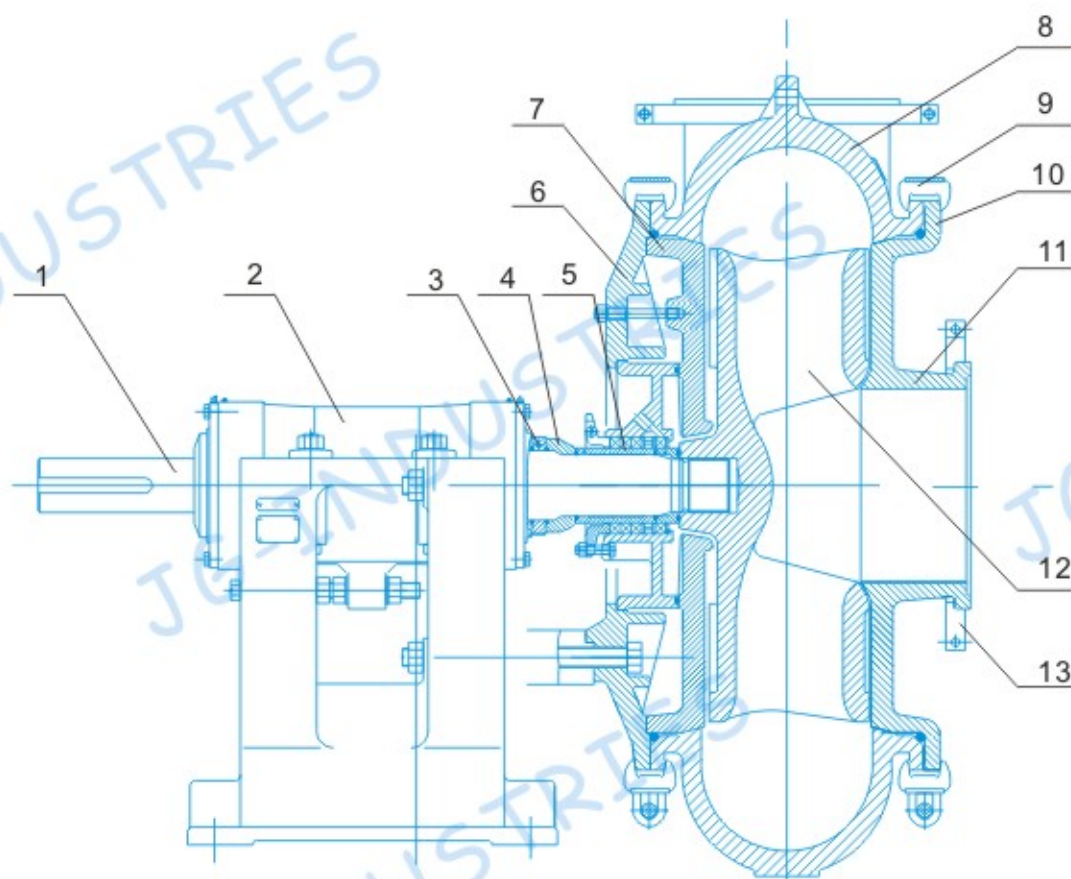


MS、MSH型挖泥泵型谱图
MS、MSH Pump Selection Chart



MS、MSH 型挖泥泵结构图

CONSTRUCTIONAL DRAWING FOR TYPE MS & MSH



1 轴 shaft

2 托架 frame

3 叶轮拆卸环 Impeller remove ring

4 定位套 Locating sleeve

5 密封组件 Seal assembly

6 接合板 Joint plate

7 后护板 frame plate

8 泵体 Pump casing

9 卡带 tapes

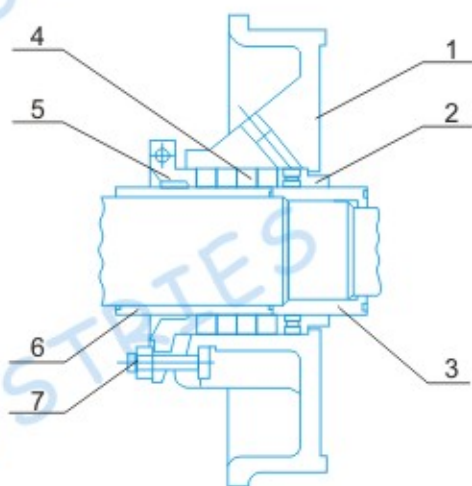
10 泵盖 Pump cover

11 前护板 Cover plate

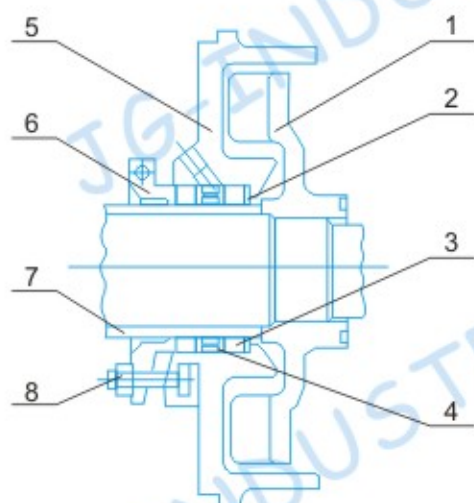
12 叶轮 Impeller

13 对开法兰 Split flange

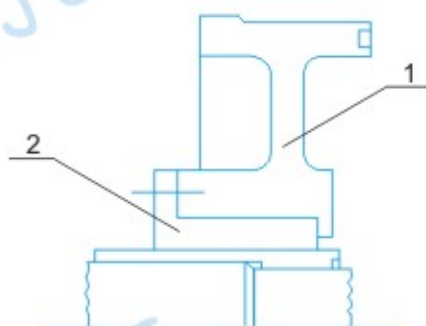
密封型式Sealing Form



1. 填料箱stuffing box
2. 前水封环Front lantern ring
3. 定位套Locating sleeve
4. 填 料Packing
5. 对开填料压盖Split parking gland
6. 轴 套Shaft sleeve
7. 填料压盖螺栓 Bolt of gland



1. 副叶轮Expeller
2. 填料垫Packing gasket
3. 填 料Packing
4. 水封环lanterm ring
5. 减压盖Release gland
6. 对开填料压盖Split parking gland
7. 轴 套Shaft sleeve
8. 填料压盖螺栓 Bolt of gland



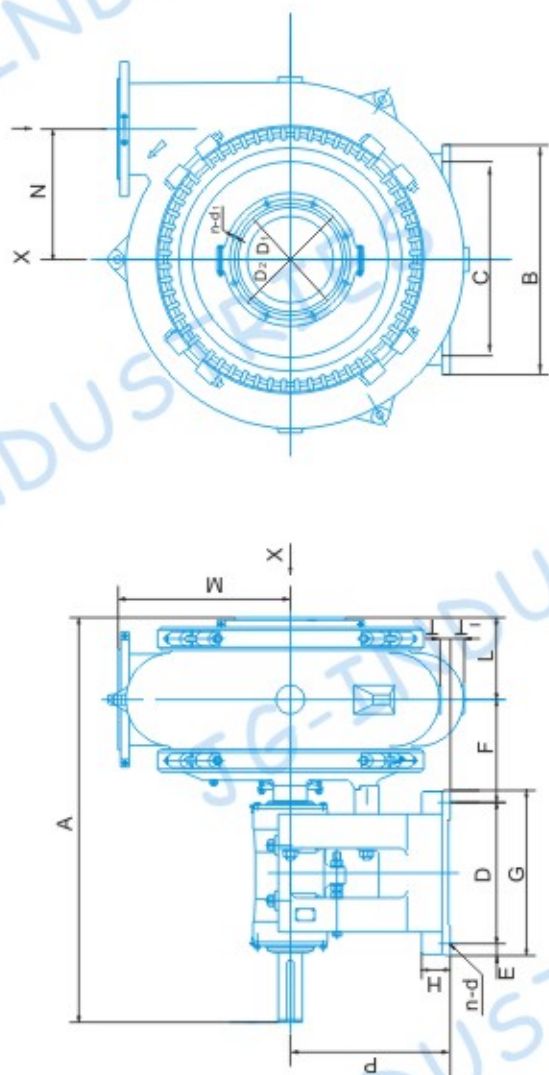
1. 密封箱Sealing box
2. 机械密封Mechanical seal

机械密封Mechanical seal

MS(MSH)型挖泥泵性能参数

Basic Parameters of Series of MS(MSH) Pump

型号 Type	流量 Capacity (L/S)	扬程 Head (m)	转速 Speed (r/min)	效率 Efficiency (%)	汽蚀余量 NPSHr (m)	出口直径 Outlet Diameter (mm)	进口直径 Inlett Diameter (mm)	最大过流粒径 Max. Diameter of Flowd Partice (mm)
100MS-D	10-70	3.5-51	600-1400	30-50	2.5-3.5	100	150	82
150MS-E	38-160	10-48	800-1400	50-60	3-4.5	150	200	127
200MS-S	60-272	13-50	500-1000	45-65	3-7.5	200	250	178
200MS-F	60-272	13-50	500-1000	45-65	3-7.5	200	250	178
250MS-F	100-420	11-58	400-850	50-70	2-4.5	250	300	220
250MS-G	100-420	11-58	400-850	50-70	2-4.5	250	300	220
300MS-G	140-880	6-66	300-700	60-68	2-8	300	350	241
400MS-G	240-1060	9-48	250-500	60-72	3-6	400	450	254
400MS-T	240-1060	9-48	250-500	60-72	3-6	400	450	254
250MSH-G	170-620	28-78	350-700	60-72	2-8	250	300	210
200MSH-S	110-360	18-80	500-950	60-72	2-5	200	250	180



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外形和安装尺寸

OUTLINE DIMENSIONS FOR TYPE MS & MSH

泵型号 Pump Size	外形尺寸 Base dimensions														地脚孔 H.D. bolt holes	吸入口法兰 Intake flange			吐出口法兰 Discharge flange			泵重 pump weight kg
	A	B	C	D	E	F	G	H	L	M	N	P	T	D ₁		D ₂	n-d ₁	D ₃	D ₄	n-d ₂		
100MS-G	1006	492	432	213	213	330	289	54	203	343	260	330	16	260	305	8-φ19	210	254	4-φ19	460		
150MS-G	1286	622	546	257	257	392	365	75	295	405	352	457	54	324	368	8-φ19	210	254	4-φ19	1120		
200MS-G	1591	857	762	349	349	487	540	98	330	533	416	610	60	406	457	8-φ19	210	254	4-φ19	2250		
250MS-F	1702	883	762	584	584	411	705	98	368	667	522	610	-3	470	527	8-φ19	210	254	4-φ19	3320		
200MS-S	1720	920	760	640	640	378	780	90	330	533	416	450	-102	406	457	8-φ19	210	254	4-φ19	2285		
250MS-G	2010	1207	851	749	749	473	876	152	368	665	522	851	238	470	527	8-φ19	210	254	4-φ19	4450		
300MS-G	2096	1207	851	749	749	502	876	152	424	787	610	851	121	495	552	8-φ19	210	254	4-φ19	5400		
400MS-G	2111	1207	851	749	749	508	876	152	432	914	692	851	-73	641	705	8-φ19	210	254	4-φ19	6950		
400MS-H	2607	1397	1194	921	921	703	1124	222	432	914	692	1067	143	641	705	8-φ19	210	254	4-φ19	8850		
200MSH-S	1774	920	760	640	640	455	780	90	330	620	473	450	-206	406	457	8-φ19	210	254	4-φ19	3188		