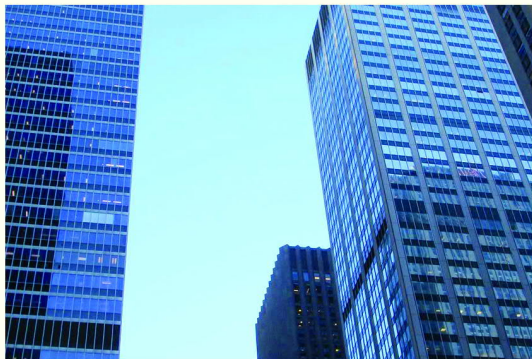




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► 石家庄瑞特泵业有限公司

石家庄瑞特泵业有限公司是集渣浆泵研发、设计、生产、销售为一体的高新技术企业。本公司成立于2003年，拥有铸造、热处理、机械加工、装备完整独立的渣浆泵生产线，坚持诚信至上、以质取胜、追求卓越、勇于创新的企业理念，为客户提供优质的产品和满意的服务。

石家庄瑞特泵业有限公司位于石家庄高新技术开发区，建筑面积3万多平方米，注册资金5000万，主要为矿山、冶金、市政、电力、煤炭、疏浚、火电烟气脱硫、石油、化工、建材、造纸、制药等行业提供配套用泵。产品行销全国各省、市、自治区以外，还远销俄罗斯、南非、菲律宾、澳大利亚、印度等20多个国家和地区，专业的售前、售中、售后服务，优质的产品赢得了国内外客户的一致认可。

公司采用先进的计算机辅助设计软件进行产品和工艺设计，设计手段和设计水平达到国际先进水平。年产高铬合金铸件5000吨，整泵6000台。主营产品为AH(R)、M(R)、HH、L、G、SP(R)、F、ZGB、ZJ、YTZ、ZBD、DT、TL、LC等型渣浆泵。口径范围为25-1200mm，流量为5-30000m³/h，扬程为5-110m。公司产品的主要材质包括高铬耐磨白口铸铁、低碳高铬耐磨耐腐蚀合金、碳钢、不锈钢、双相不锈钢、球墨铸铁、灰铸铁等，还可提供模压天然橡胶、合成橡胶材质的零件和整机。

除上述已有产品外，我公司承接来图来样定制加工服务(OEM)，目前已与国外多家公司合作，为国际知名公司提供耐磨铸件。

瑞特泵业通过不断的技术创新为广大客户提供更加优质的产品，通过不断的管理创新为广大客户提供更加便捷的服务，最大限度满足客户的需求。

公司严格执行全面质量管理体系，并已通过ISO9001:2008GB/T19001-2008质量管理体系认证。

► SHIJIAZHUANG RUI TE PUMP CO., LTD.

Shijiazhuang Ruite Pump Co., Ltd. is a high and new technology enterprise which integrates the research and development, design, production and sales of the slurry pump. With the registered capital of 50 million, The company was founded in 2003, and has a complete production line of casting, heat treatment, mechanical processing and equipment. It sticks to the business philosophy of "honesty first, quality win, pursuit of excellence and innovation" to provide customers with quality products and satisfying services.

Shijiazhuang Ruite Pump Co., Ltd. is located in high tech Development Zone of Shijiazhuang and cover more than 30 thousand square meters. We mainly support the pumps for mining, metallurgy, municipal, electricity, coal, dredging, flue gas desulfurization of thermal power, petroleum, chemical industry, building materials, paper, pharmaceutical and other industries. The products is popular at home and abroad. Our foreign customers are from more than 20 countries and regions, including Russia, South Africa, Philippines, Australia, India, etc., The professional pre-sale, sale, after sale services and quality products have won the unanimous recognition from domestic and foreign customers.

With advanced computer aided design software for product and process design, our the design means and design level have reach the international advanced level. The annual production of high chromium alloy castings is 5000 tons, and the whole pump is 6000 sets. The main products are AH(R), M(R), HH, L, G, SP(R), F, ZGB, ZJ, etc. The diameter range is 25-1200mm, the flow is 5-30000m³/h, and the head is 5-110m. The main materials of our products include high chromium wear-resistant white cast iron, low carbon and high chromium wear resistant and corrosion resistant alloy, carbon steel, stainless steel, duplex stainless steel, ball grinding cast iron, gray iron and so on. We can also provide pumps and spare parts for natural rubber and synthetic rubber material.

In addition to the above products, our company undertakes the customized processing service (OEM), and has been working with many foreign companies, providing wear-resistant castings for internationally famous companies.

With continuous technological innovation and management innovation, Ruite is providing more and more quality products and services to meets the needs of customers.

The company strictly implements the overall quality management system, and has passed the ISO9001:2008GB/T19001-2008 quality management system certification.



► 概述 Summary

SP/SPR型泵为立式离心渣浆泵，浸入液下，用于输送磨蚀性、粗颗粒、高浓度渣浆。不需要任何轴封和轴封水，在吸入量不足的工况下也能正常工作。SP型泵泵体为耐磨金属，叶轮采用耐磨金属或橡胶、聚氨酯材料制造。SPR型浸入液下的零部件均衬有橡胶，适用于输送腐蚀性渣浆。

型号中含“L”字母为加长轴系列的液下泵，可适用于液位较深的工况，这种泵在标准泵的基础上增加了导轴承结构，运转更平稳，使用更广泛。但在导轴承部位需要附设冲洗水。

The SP/SPR pump is a vertical centrifugal slurry pump, which is immersed in liquid and is used for conveying abrasive, coarse particles and high concentration slag slurry. No shaft seal and shaft seal water are needed, and it can work normally under the condition of insufficient inhalation. The SP pump body is a wear-resistant metal, and the impeller is made of wear-resistant metal or rubber and polyurethane. The parts of the SPR immersed liquid are lined with rubber, which is suitable for transporting the corrosive slag slurry.

The type of "L" letter is a submerged pump with long axis series. It can be applied to a deep liquid working condition. This pump increases the structure of the guide bearing on the basis of the standard pump, and runs smoothly and widely. But it is necessary to attach flushing water to the part of the guide bearing.



SP、SPR型立式液下泵

► 型号意义 Model Meaning

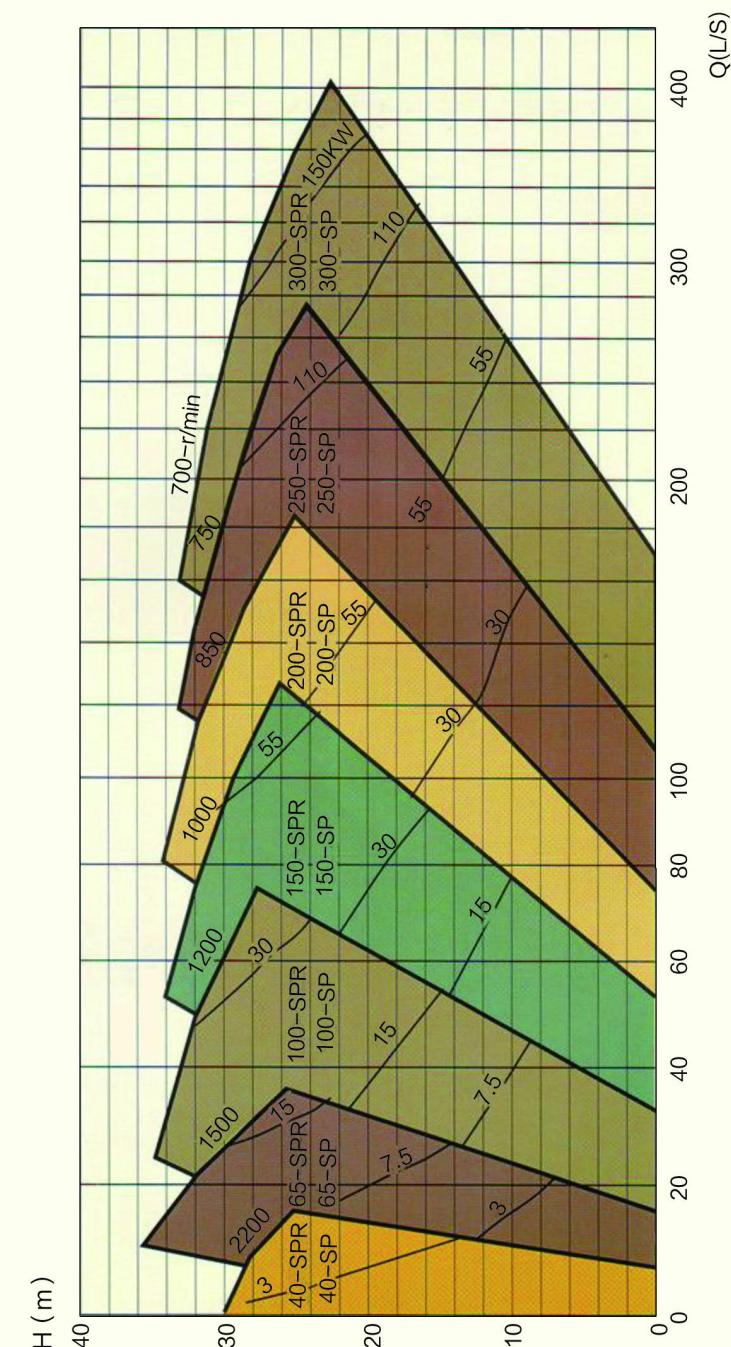
40 PV (L)-SP(SPR)

衬胶液下渣浆泵
液下渣浆泵
加长型
托架形式
泵吐出口直径 (mm)

40 PV (L)-SP(SPR)

Slurry pump submerged in sump ,rubber lined
Slurry pump submerged in sump
Extension type
Frame type
Outlet diameter (mm)

► SP、SPR液下泵型谱 Type SP and SPR sump pumps selection chart



► SP、SPR型液下泵极限转速 The ultimate speed of SP and SPR pump

40PV-SP

泵安装深度 mm	第一临界转速, rpm First critical speed, rpm			第二临界转速, rpm Second critical speed, rpm
	-20%	实际值	+20%	-20%
900	1965	2456	2948	4913
1000	1628	2036	2448	4071
1200	1172	1465	1758	2930
1500	779	974	1169	1948
1800	556	695	884	1389
2000	456	571	685	1141
2100	416	521	625	1041
2400	324	405	486	809
2500	300	375	450	749
2700	259	324	388	647
3000	212	265	318	530

40PV-SPR

泵安装深度 mm	第一临界转速, rpm First critical speed, rpm			第二临界转速, rpm Second critical speed, rpm
	-20%	实际值	+20%	-20%
900	2206	2757	3309	5514
1000	1812	2265	2718	4530
1200	1286	1608	1929	3215
1500	842	1053	1263	2105
1800	594	743	891	1485
2000	485	606	728	1213
2100	442	552	662	1104
2400	341	426	512	853
2500	315	394	473	788
2700	271	339	407	678
3000	221	276	332	553

65QV-SP

泵安装深度 mm	第一临界转速, rpm First critical speed, rpm			第二临界转速, rpm Second critical speed, rpm
	-20%	实际值	+20%	-20%
900	2607	2584	3101	5168
1000	1733	2167	2600	4333
1200	1274	1592	1911	3184
1500	868	1085	1302	2170
1800	631	789	947	1578
2000	524	655	786	1310
2100	481	601	721	1202
2400	378	473	568	946
2500	352	440	527	879
2700	306	382	459	765
3000	253	316	379	631

65QV-SPR

泵安装深度 mm	第一临界转速, rpm First critical speed, rpm			第二临界转速, rpm Second critical speed, rpm
	-20%	实际值	+20%	-20%
900	2590	3237	3885	6475
1000	2145	2682	3218	5364
1200	1544	1930	2316	3860
1500	1027	1284	1541	2568
1800	733	916	1100	1833
2000	602	753	904	1506
2100	550	687	825	1375
2400	428	535	642	1069
2500	396	495	594	990
2700	342	428	513	856
3000	280	350	420	700

► SP、SPR型液下泵极限转速 The ultimate speed of SP and SPR pump

100RV-SP

泵安装深度 mm	第一临界转速, rpm First critical speed, rpm			第二临界转速, rpm Second critical speed, rpm
	-20%	实际值	+20%	-20%
900	2774	3467	4160	6934
1000	2311	2889	3466	5777
1200	1685	2107	2528	4213
1500	1143	1429	1715	2858
1800	831	1038	1246	2077
2000	690	862	1035	1724
2100	633	791	949	1582
2400	499	623	748	1247
2500	464	580	695	1159
2700	404	505	606	1010
3000	334	417	501	835

100RV-SPR

泵安装深度 mm	第一临界转速, rpm First critical speed, rpm			第二临界转速, rpm Second critical speed, rpm
	-20%	实际值	+20%	-20%
900	3817	4771	5726	9543
1000	3130	3913	4696	7826
1200	2222	2777	3333	5554
1500	1459	1824	2189	3648
1800	1034	1292	1551	2585
2000	847	1058	1270	2116
2100	772	964	1157	1929
2400	598	748	897	1495
2500	553	692	830	1383
2700	477	597	716	1194
3000	390	488	585	975

150SV-SP

泵安装深度 mm	第一临界转速, rpm First critical speed, rpm			第二临界转速, rpm Second critical speed, rpm
	-20%	实际值	+20%	-20%
900	3382	4228	5073	8455
1000	2835	3544	4253	7088
1200	2089	2612	3134	5223
1500	1435	1793	2152	3587
1800	1052	1315	1578	2631
2000	878	1098	1317	2196
2100	807	1009	1211	2018
2400	640	801	961	1601
2500	596	745	895	1491
2700	521	651	782	1303
3000	433	541	649	1082

150SV-SPR

泵安装深度 mm	第一临界转速, rpm First critical speed, rpm			第二临界转速, rpm Second critical speed, rpm
	-20%	实际值	+20%	-20%
900	4412	5515	6618	11030
1000	3651	4564	5477	9129
1200	2632	3290	3949	6581
1500	1761	2201	2642	4403
1800	1265	1582	1898	3163
2000	1044	1305	1566	2610
2100	955	1194	1432	2387
2400	747	934	1121	1868
2500	693	866	1039	1732
2700	601	751	901	1502
3000	494	617	741	1235

► SP、SPR型液下泵极限转速 The ultimate speed of SP and SPR pump

200SV-SP

泵安装深度 mm	第一临界转速, rpm First critical speed, rpm			第二临界转速, rpm Second critical speed, rpm
	-20%	实际值	+20%	-20%
900	2969	3712	4454	7423
1000	2500	3125	3750	6250
1200	1856	2320	2784	4641
1500	1287	1609	1931	3218
1800	952	1190	1428	2379
2000	798	998	1197	1995
2100	735	919	1103	1838
2400	587	733	880	1467
2500	547	684	821	1369
2700	480	600	720	1200
3000	400	500	601	1001

250TV-SP

泵安装深度 mm	第一临界转速, rpm First critical speed, rpm			第二临界转速, rpm Second critical speed, rpm
	-20%	实际值	+20%	-20%
900	2716	3396	4075	6791
1000	2271	2838	3406	5677
1200	1672	2090	2508	4180
1500	1154	1442	1730	2884
1800	852	1066	1279	2131
2000	715	894	1073	1788
2100	660	824	989	1649
2400	527	659	791	1319
2500	493	616	739	1231
2700	433	541	649	1082
3000	362	452	543	905

300TV-SP

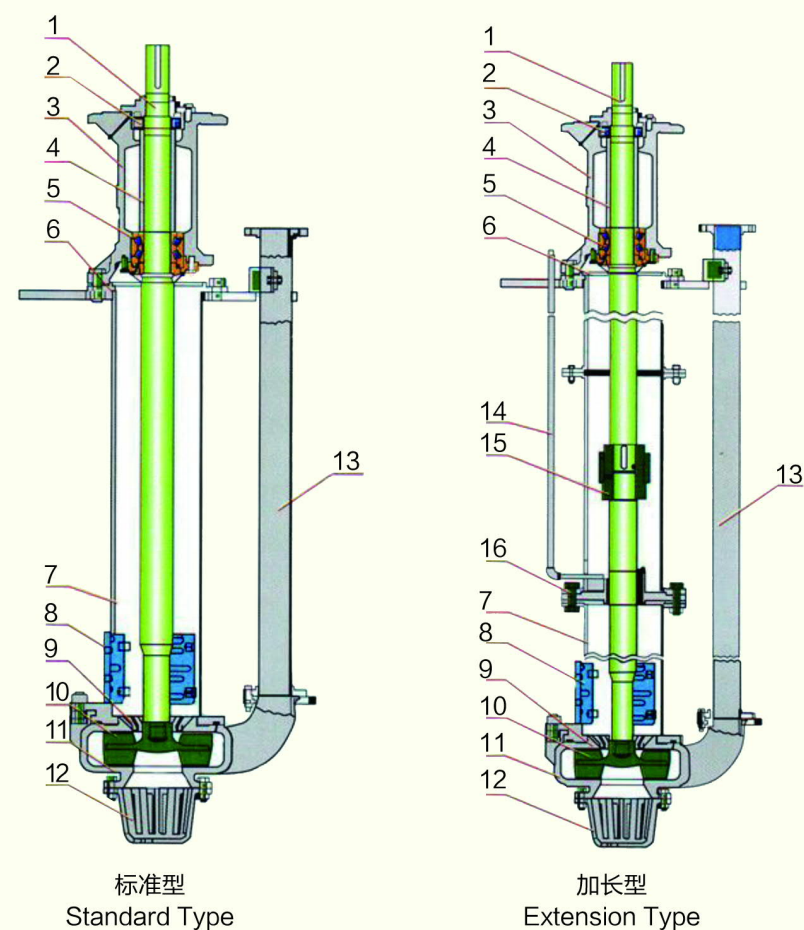
泵安装深度 mm	第一临界转速, rpm First critical speed, rpm			第二临界转速, rpm Second critical speed, rpm
	-20%	实际值	+20%	-20%
900	2270	2838	3406	5676
1000	1916	2395	2874	4789
1200	1431	1789	2146	3577
1500	100	1253	1504	2506
1800	749	936	1123	1872
2000	632	790	949	1581
2100	585	731	877	1461
2400	471	589	706	1177
2500	441	551	661	1101
2700	389	486	583	971
3000	327	409	490	817

► SP、SPR型液下泵清水性能表 SP, SPR type water pump water performance table

型号 Type	允许配带 最大功率 (Kw) Allowable mating max power	材质 Material		性能范围 Performance range						叶轮Impeller		曲线 编号 Curves number
		护套 Liner	叶轮 Impeller	流量Q	Capacity	扬程H	转速n	最高 效率	气蚀 余量	叶片数	叶轮 外径	
				(m³ /h)	(L/s)	(m) Head H	Speed n	Max. EFF (%)	NPSH (m)	No. of vanes	Impeller diameter (mm)	
40PV (L) -SP	15	M	M	19. 44-43. 2	5. 4-12	4.5-28. 5	1000-2200	40		5	188	WPA40E41
40PV (L) -SPR		RU	RU	17. 28-39. 6	4. 8-11	4-26	1000-2200	40		5	188	WPA40E42
65QV (L) -SP	30	M	M	23. 4-111	6. 5-30. 8	5-29. 5	700-1500	50		5	280	WPA65E41
65QV (L) -SPR		RU	RU	22. 5-105	6.25-29.15	5.5-30.5	700-1500	51		5	280	WPA65E42
100RV (L) -SP	75	M	M	54-289	15-80. 3	5-35	500-1200	56		5	370	WPA100E43
100RV (L) -SPR		RU	RU	64. 8-285	18-79. 2	7. 5-36	600-1200	62		5	370	WPA100E42
150SV (L) -SP	110	M	M	108-479. 16	30-133. 1	8. 5-40	500-1000	52		5	450	WPA150E42
200SV (L) -SP	110	M	M	189-891	152.5-247.5	6. 5-37	400-850	64		5	520	WPA200E41
250TV (L) -SP	200	M	M	261-1089	72.5-302.5	7.5-33.5	400-750	60		5	575	WPA250E41
300TV (L) -SP	200	M	M	288-1267	80-352	6. 5-33	350-700	50		5	610	ESY7951

注：“M”是合金耐磨材料，“RU”是橡胶材料 NOTE:"M":Wear-resistant alloy."RU":rubber.

▶ 结构图 Structure diagram

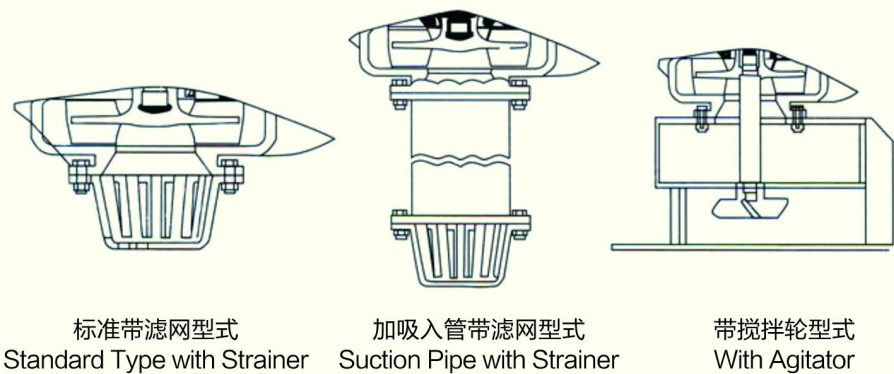


SP金属液下泵全部为金属件，用于输送磨蚀性渣浆
SPR型液下泵是橡胶保护，用于输送酸性磨蚀性渣浆

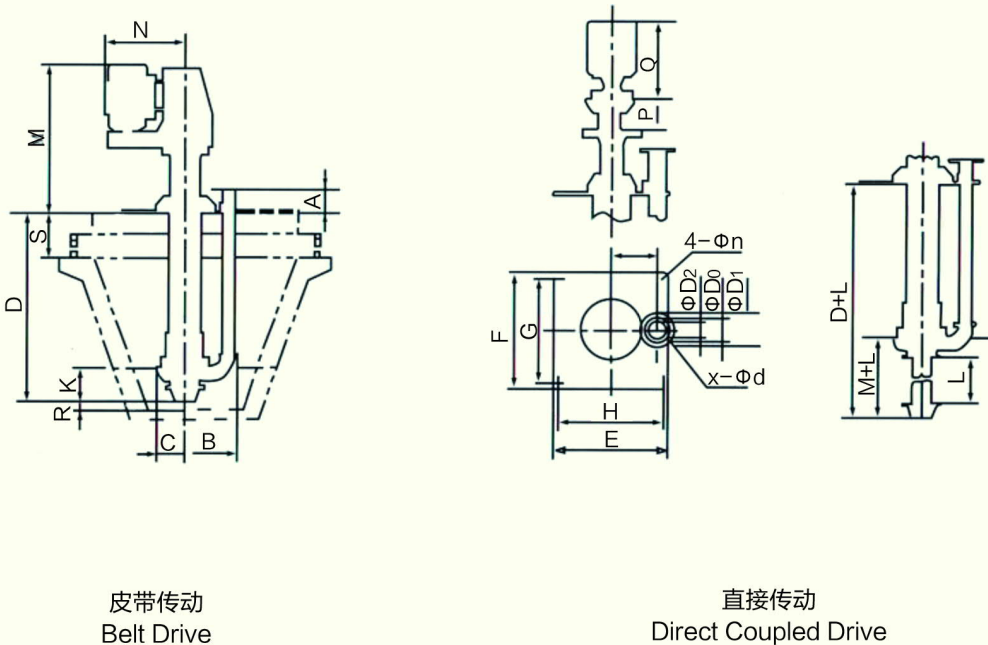
Type SP all metal for abrasive duty.
Type SPR elastomer protected for acid/abrasive duty.

序号 Serial number	零件名称 Parts name	序号 Serial number	零件名称 Parts name
1	轴 Shaft	9	后护板 Back liner
2	轴承 Bearing	10	叶轮 Impeller
3	轴承体 Bearing house	11	泵体 Pump casing
4	轴承挡套 Bearing spacer	12	下滤网 Lower strainer
5	轴承 Bearing	13	吐出管 Discharge pipe
6	调整垫 Shim	14	水封管 Flushing pipe
7	支架 Column	15	联轴器部件 Coupling part
8	滤网 Strainer	16	中间支承部件 Middle supporting part

▶ 泵进口三种结构形式 Three-kind construction of the pump inlet



▶ 外型安装尺寸图 Outline Installation Drawing



SP、SPR型液下泵外型尺寸表 Outline Dimensions for SP and SPR Sump pumps

泵PUMP			A		B		C	D		E	F	G	H	J	Φn	K	M	N	P	Q	泵重 Pump weight (Kg)	S	出口法兰尺寸 DISCHARGE FLANGE SIZE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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吐出口 直径 SIZE (mm)	托架 FRAME	型号 TYPE	A	B	C	C	D	D	E	F	G	H	J	Φn	K	M	N	P	Q	泵重 Pump weight (Kg)	S	ΦD1	ΦD2	ΦD0 X-Φd																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

注:L尺寸为: 0、300、600、900、1200、1800; L为0时为标准泵的尺寸。R尺寸范围为: 300-500mm
NOTE: L size:0,300,600,900,1200,1800,Standard pump:L=0. Rdimension range:300-500mm

产品 Product

