

精工制造 追求卓越
Precision in Manufacturing, Pursuit of Excellence



OFITE

OFITE *PRODUCT CATALOG*
INTERNAL GEAR PUMP

内啮合齿轮泵产品册



广东欧菲特动力科技有限公司
Guangdong ofite power technology co.,Ltd.
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广东欧菲特动力科技有限公司
Guangdong ofite power technology co.,Ltd.



公司概况

COMPANY PROFILE

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欧菲特动力科技有限公司

- ★ 欧菲特一个来自广东东莞专业生产内啮合齿轮泵的品牌
- ★ 欧菲特具有成熟零件加工工艺及完善的生产设备(各类型号加工中心，立式液压拉床，精密磨齿机，数控车 床，钻攻中心,端面磨床，内外圆磨床等);
- ★ 欧菲特有着十几年专业技术人员现场指导，保证生产参数的稳定，健全的管理制度，成熟的工艺，完善的生 产设备，充分保证产品的质量达到标准要求。
- ★ 欧菲特工厂车间还配备先进检测室,三座标,二次元，HRV维氏硬度计,齿轮检测仪，影像测量仪，高度仪等;
- ★ 欧菲特产品组装完成后，每一台油泵都需上先进测试室进行全方位测试噪音，压力抖动，保压内泄，容积率 等出厂数据；
- ★ 欧菲特已通过ISO9001质量管理体系认证，确保生产的的每一台泵，品质合格出厂；
- ★ 欧菲特在保证产品质量的同时，研发新工艺，开发新产品，提高自身综合能力，提高产品质量，为增强市场竞争力夯下坚实的基础。

OFITE Power Technology Co., Ltd.

- ★ Oufeite is a brand from Dongguan, Guangdong, specializing in the production of internal gear pumps.
- ★ Oufeite boasts mature parts processing techniques and complete production equipment (including various types of machining centers, vertical hydraulic broaching machines, precision gear grinders, CNC lathes, drilling and tapping centers, face grinders, internal and external cylindrical grinders, etc.).
- ★ Oufeite has over a decade of on-site guidance from professional technicians to ensure the stability of production parameters. Its sound management system, mature craftsmanship, and complete production equipment fully guarantee that product quality meets standard requirements.
- ★ Oufeite's factory workshop is also equipped with an advanced testing room, featuring coordinate measuring machines (CMM), 2D measuring instruments, HRV Vickers hardness testers, gear detectors, image measuring instruments, height gauges, etc.
- ★ After the assembly of Oufeite products, each oil pump must undergo comprehensive testing in an advanced testing room for factory data such as noise, pressure fluctuation, pressure-holding internal leakage, and volumetric efficiency.
- ★ Oufeite has obtained ISO9001 quality management system certification, ensuring that every pump produced leaves the factory with qualified quality.
- ★ While ensuring product quality, Oufeite is committed to developing new techniques and products, enhancing its comprehensive capabilities, improving product quality, and laying a solid foundation for strengthening market competitiveness.



企业荣誉
ENTERPRISE HONOR



业务分布
BUSINESS LAYOUT



- 广东总部
- Guangdong Headquarters
- ★ 宁波办事处
- ★ Ningbo Office
- ★ 苏州办事处
- ★ Suzhou Office

OFFICE

公司品质政策 (Quality policy)

管理卓越 品质稳定 客户满意

(Excellence in Management Stability in Quality

Satisfaction of Customers)

公司经营理念 (Company philosophy)

同心协力 创新发展 永续经营 客户至上

(Work in Cooperation Innovate for Development

Continuous R&D Operation Everlasting Customers

Always Come First)

公司愿景 (Corporate Vision)

致力于成为全球具有持续核心竞争力的液压装备供应商！

We are committed to becoming a global hydraulic

equipment supplier with sustained core competitiveness!

目录 CONTENTS

P01—06

HG系列单泵

HG SERIES SINGLE PUMP

特性 结构展示 Characteristics and Structural Display	01
噪音曲线 Noise curve comparison	02
型号说明 性能参数 Model Description and Performance Parameters	03
安装连接尺寸 Installation and Connection Dimensions	04-06

P07—12

HG系列双联泵

HG Series Double-Head Pumps

双联泵简介 Introduction to Double-Head Pump	07
安装连接尺寸 Installation and Connection Dimensions	08-12
双联泵三联泵法兰尺寸 Flange Dimensions of Double-Head Pump and Triple-Head Pump	19

P13—19

HG系列三联泵

HG Series Triple-Head Pumps

三联泵简介 Introduction to Triple-Head Pump	13
安装连接尺寸 Installation and Connection Dimensions	14-18
双联泵三联泵法兰尺寸 Flange Dimensions of Double-Head Pump and Triple-Head Pump	19

P01—10

HG系列非标泵

HG Series Non-Standard Pumps

代替VOITH油泵参数 Alternative VOITH Oil Pump Parameters	20
代替ECKERLE油泵参数 Alternative ECKERLE Oil Pump Parameters	21
代替Sumitomo油泵参数 Alternative Sumitomo Oil Pump Parameters	22
代替SETTIMA油泵参数 Alternative SETTIMA Oil Pump Parameters	23

注意事项 Precautions	24
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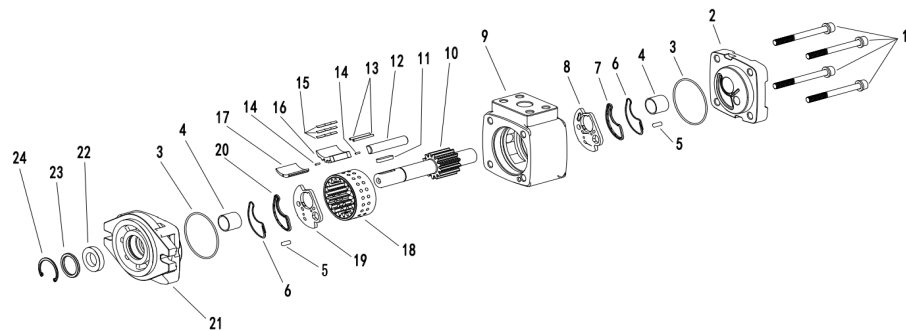
特性 Characteristics

- 1.采用轴向和径向压力补偿设计，即使在低转速和低粘度下仍保持较高的容积率。
- 2.超低的噪音，采用高强度铸铁和内部独特的消音设计，使噪音更低
- 3.极低的流量和压力脉动，在低速状态下仍可保持稳定的流量和压力输出
- 4.高压设计，最高使用压力可达到 35MPa。
- 5.转速范围宽广，最高转速可达3000r/min
- 6.可进行组合形成双联泵
- 7.对油液污染不敏感，使用寿命长，



- 1、Adopting axial and radial pressure compensation design, it maintains a high volumetric efficiency even at low rotational speeds and with low-viscosity fluids.
- 2、Ultra-low noise: The use of high-strength cast iron and a unique internal noise reduction design results in lower noise levels.
- 3、Extremely low flow and pressure pulsation, ensuring stable flow and pressure output even at low speeds.
- 4、High-pressure design, with a maximum operating pressure of up to 35MPa.
- 5、Wide rotational speed range, with a maximum speed of 3000r/min.
- 6、Can be combined to form a double pump.
- 7、Insensitive to oil contamination and has a long service life.

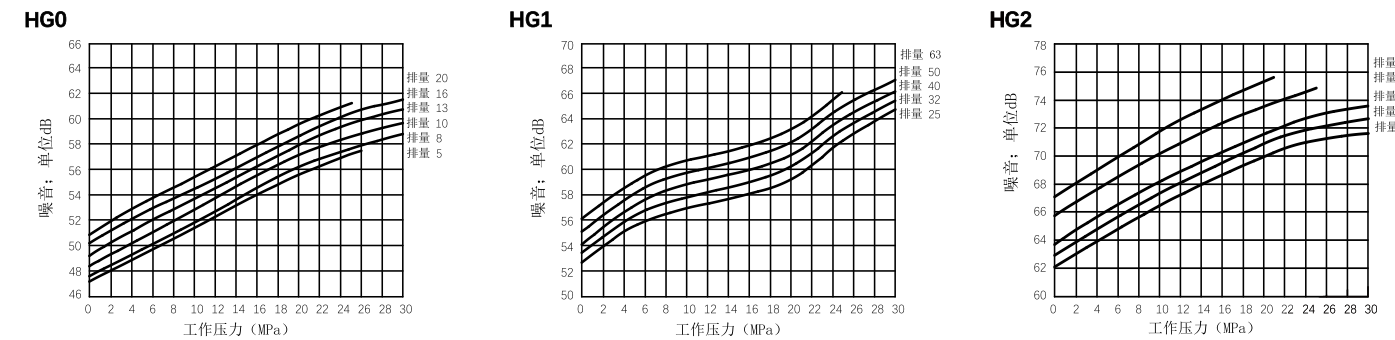
结构展示 Structure Display



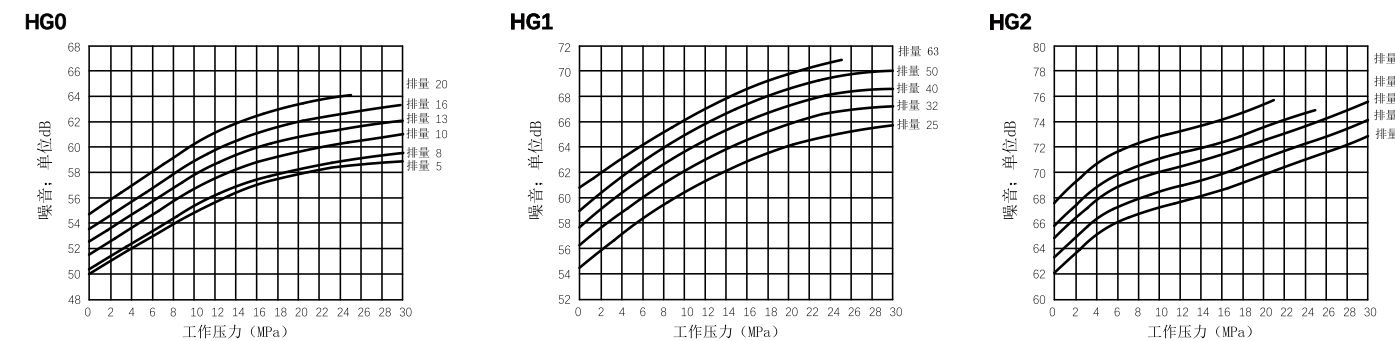
序号	名称	序号	名称	序号	名称	序号	名称	序号	名称	序号	名称	序号	名称	序号	名称
1	内六角螺丝	4	无油轴承	7	后密封圈	10	齿轮轴	13	塑料棒	16	月牙主板	19	前盖配油盘	22	主轴油封
2	后盖	5	定位销	8	后盖配油盘	11	平键	14	主板定位销	17	月牙副板	20	前密封圈	23	圆形挡圈
3	O型圈	6	异性挡圈	9	泵体	12	定位杆	15	弹簧片	18	内齿圈	21	前盖	24	孔用卡簧

1、Hexagon Socket Screw	6、Special-Shaped Retaining Ring	11、Flat Key	16、Crescent-Shaped Motherboard	21、Front Cover
2、Rear Cover	7、Rear Sealing Ring	12、Positioning Rod	17、Crescent-Shaped Secondary Board	22、Spindle Oil Seal
3、O-Ring	8、Rear Cover Oil Distribution Plate	13、Plastic Rod	18、Internal Gear Ring	23、Round Retaining Ring
4、Oil-Free Bearing	9、Pump Body	14、Motherboard Locating Pin	19、Front Cover Oil Distribution Plate	24、Hole Circlip
5、Locating Pin	10、Gear Shaft	15、Spring Plate	20、Front Sealing Ring	

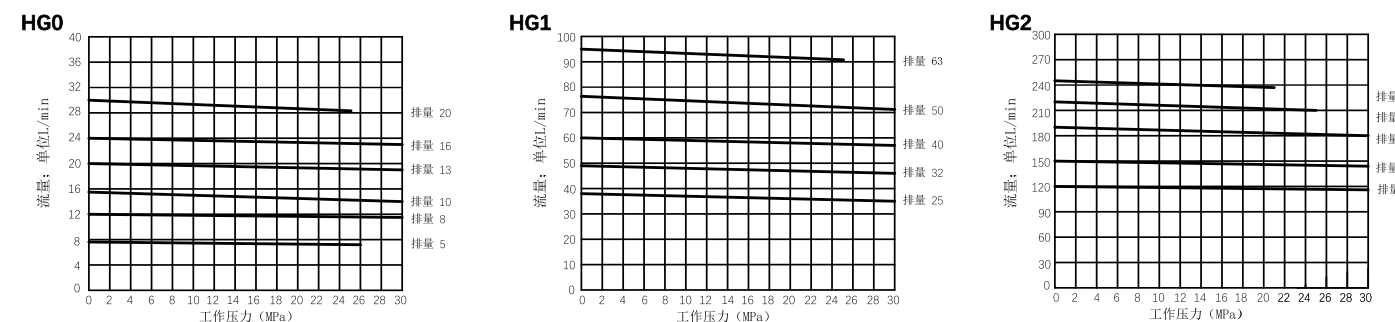
1500r/min噪音曲线 NOISE CURVE



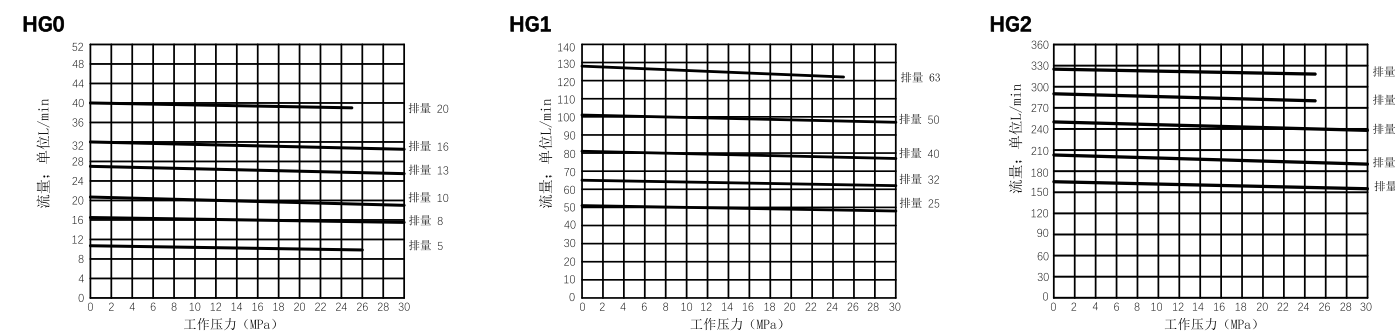
2000r/min噪音曲线 NOISE CURVE



1500r/min特性曲线 NOISE CURVE



2000r/min特性曲线 NOISE CURVE



型号说明 Model Description

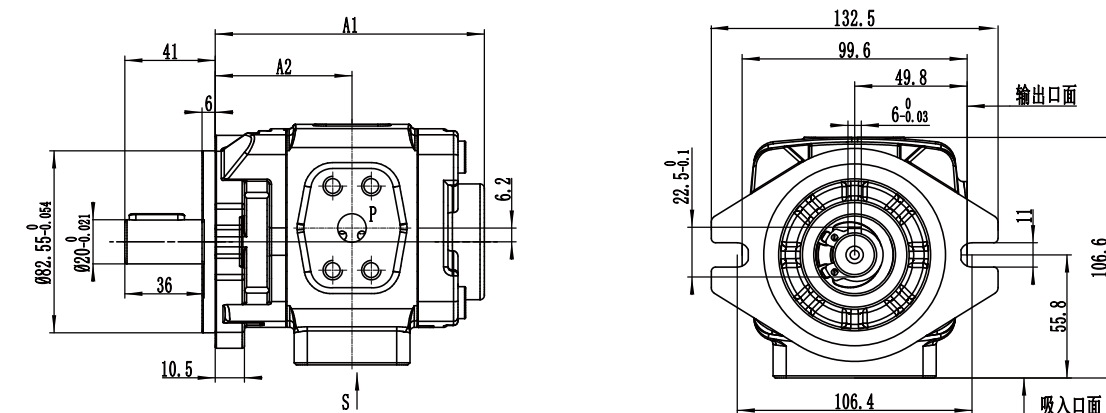
HG0	-16	R	E	W	-F1
系列号 Series Number	排量ml/r Displacement ml/r	旋转方向 Rotation Direction	轴伸形式 Shaft Extension Form	密封材料 Sealing Material	设计号 Design Number
HG0	4、5、6、8、10、 13、16、20、25	从泵轴端看 Viewed from the pump shaft end	E=平键 E=flat key	W=丁腈橡胶 W=nitrile rubber	F1
HG1	25、32、40、 50、63	R=顺时针旋转 R=Rotate clockwise	R=花键轴 R=splined shaft	V=氟橡胶 V=fluororubber	
HG2	80、100、125 145、160	L=逆时针旋转 L=Rotate counterclockwise			

性能参数 Performance Parameters

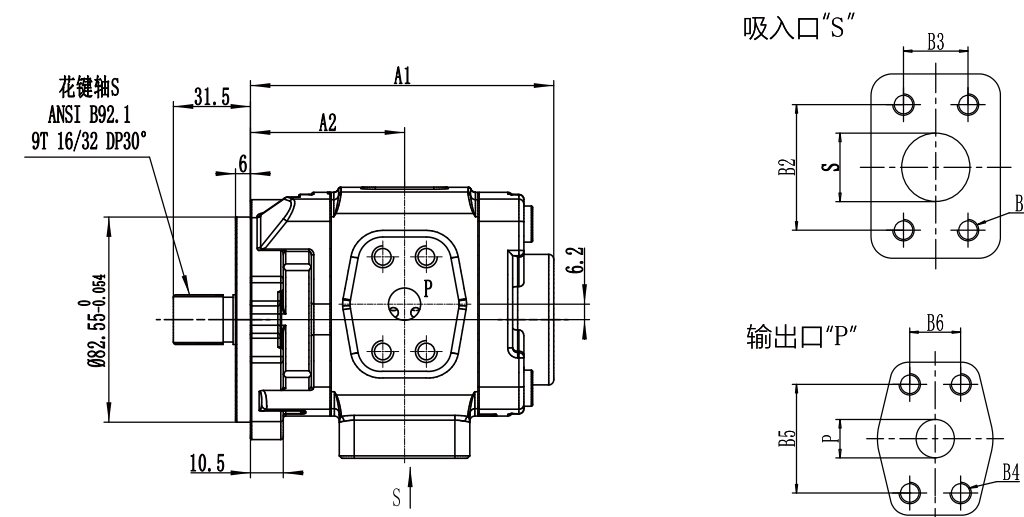
系列号	规格	排量	工作压力Mpa		转速范围 r/min		重量 KG
		ml/r	额定	最高	最高	最低	
HG0	4	4.2	31.5	35	3000	600	4.0
	5	5.2					4.1
	6	6.2					4.5
	8	8.2					5.5
	10	10.2					5.8
	13	13.3					6.2
	16	16					6.5
	20	20	25	30			7
	25	25.3					7.3
HG1	25	25.3	31.5	35		200	15
	32	32.7					15.6
	40	40.1					16.5
	50	50.7					17.6
	63	63.7	25	30			18.9
HG2	80	81.4	31.5	35			43.5
	100	100.2					45.7
	125	125.3					48
	145	145.2	25	28			50
	160	162.8	21	26			52

HG0安装连接尺寸 Installation connection dimensions

HG0 (P型平键轴/P-type flat key shaft)



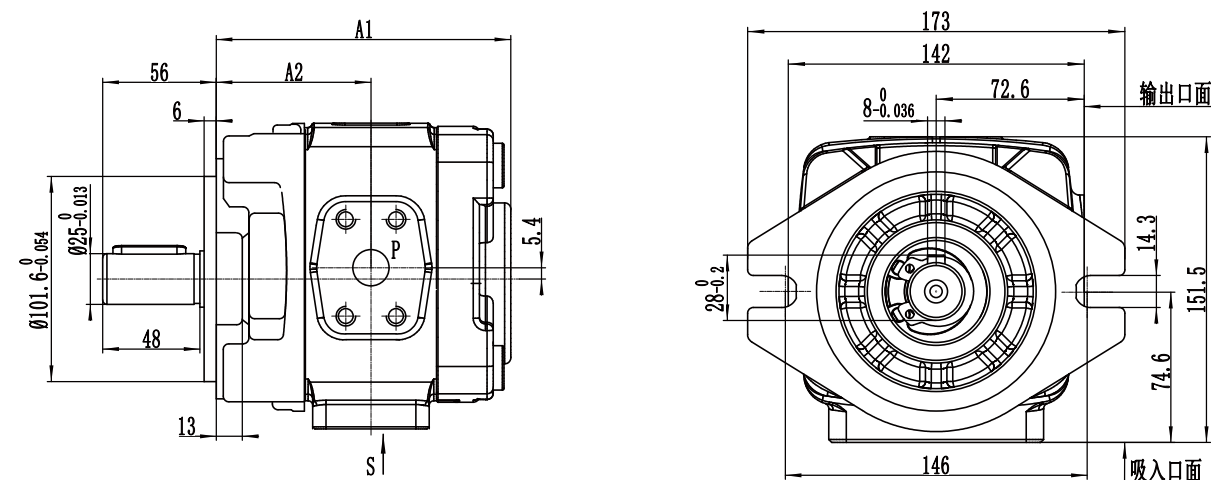
HG0 (S型花键轴/S-type splined shaft)



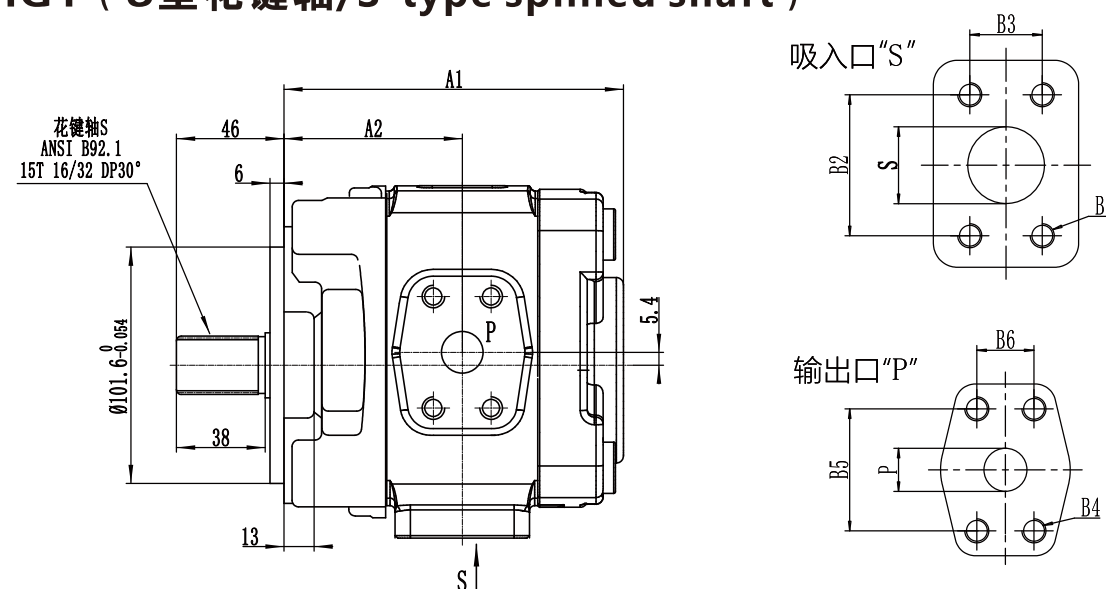
系列	规格	A1	A2	S	B1	B2	B3	P	B4	B5	B6
HG0	4	100	50.5	Φ14	M8深13	38.1	17.5	Φ14	M8深13	38.1	17.5
	5	102	51.5								
	6	104	52.5								
	8	107	54	Φ19	M10深15	47.6	22.2	Φ13			
	10	111	56								
	13	117.5	59.25			52.4	26.2				
	16	123	62								
	20	131	66			Φ26	58.7	30.2	Φ18	M10深15	47.6
	25	139	70								

HG1安装连接尺寸 Installation connection dimensions

HG1 (P型平键轴/P-type flat key shaft)



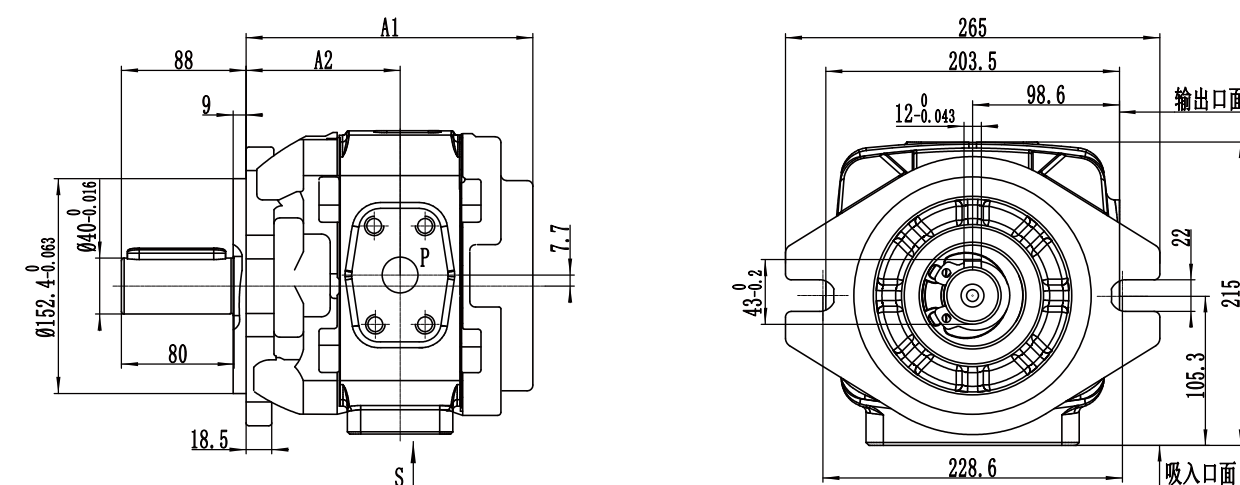
HG1 (S型花键轴/S-type splined shaft)



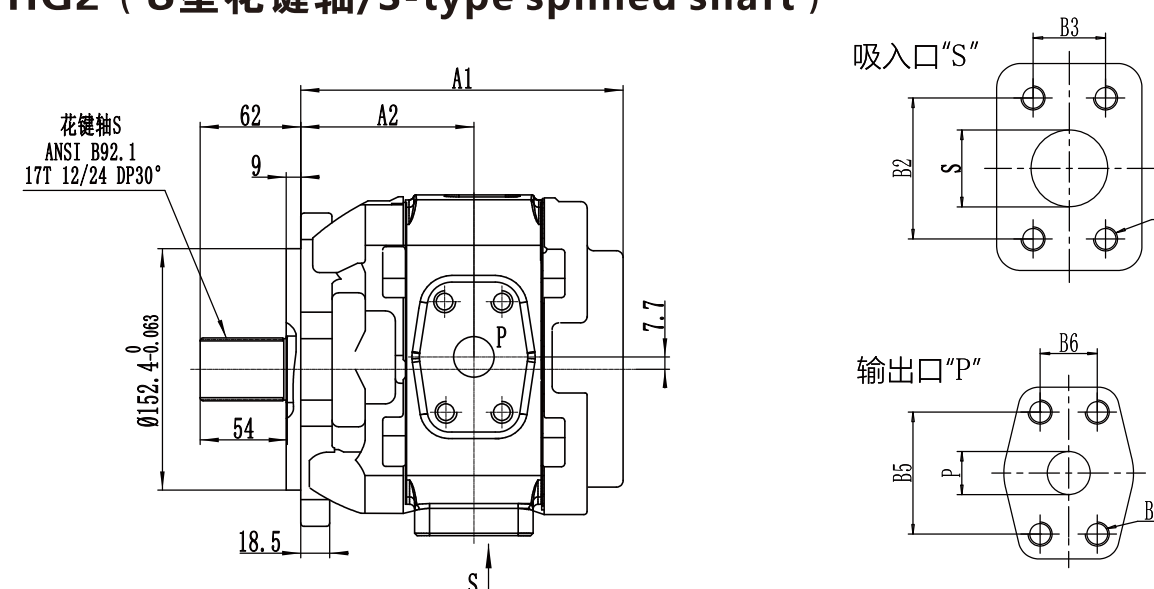
系列	规格	A1	A2	S	B1	B2	B3	P	B4	B5	B6
HG1	25	139	73	Φ32	M10深17	58.7	30.2	Φ18	M10深17	47.6	22.2
	32	146	76.5								
	40	153	80	Φ38	M12深20	69.9	35.7	Φ20	M10深17	52.4	26.2
	40D										
	50	163	85	Φ32	M10深17	58.7	30.2	Φ25.4	M12深20	57.2	27.8
	50D			Φ51	M12深20	77.8	42.9				
	63	177	92	Φ32	M10深17	58.7	30.2	Φ20	M10深17	52.4	26.2
	63D			Φ51	M12深20	77.8	42.9				

HG2安装连接尺寸 Installation connection dimensions

HG2 (P型平键轴/P-type flat key shaft)



HG2 (S型花键轴/S-type splined shaft)



系列	规格	A1	A2	S	B1	B2	B3	P	B4	B5	B6
HG2	80	204	109.5	Φ51	M12深20	77.8	42.9	Φ32	M12深20	69.9	35.7
	100	213	114								
	100D			Φ63.5	M12深20	88.9	50.8	Φ38	M16深25	79.4	36.5
	125	225	120								
	145	235.5	124.75	Φ76	M16深25	106.4	61.9				
	145D										
	160	243	129								

HG 双联泵 Double pump

双联泵简介

- * 双联泵是由两个单泵串联组装而成
- * 具有一个共用的进油口和两个独立回路的出油口；
- * 也可以改成共用一个出油口法兰
- * 按照两个泵的组合系列
- * 可获得更多排量组合。

产品特点

1. 前后油泵采用浮动花键联轴器式结构, 配合独特的润滑脂配方保证油泵性能稳定, 寿命长和低噪音。
2. 最大排量可以扩展到320CC, 为电机和驱动器选型, 机型选配提供足够的选择空间。
3. 油泵出油口和进油口方向灵活调配, 进油口为共用接口, 安装简易, 使用方便。
4. 任意排量组合, 适用于不同工况需求。

Introduction to Double-Head Pumps

- *A double pump is formed by the series assembly of two single pumps.
- *It has a shared oil inlet and two oil outlets for independent circuits;
- *It can also be modified to share a single oil outlet flange.
- *According to the combination series of the two pumps,
- *More displacement combinations can be obtained.

Product Features

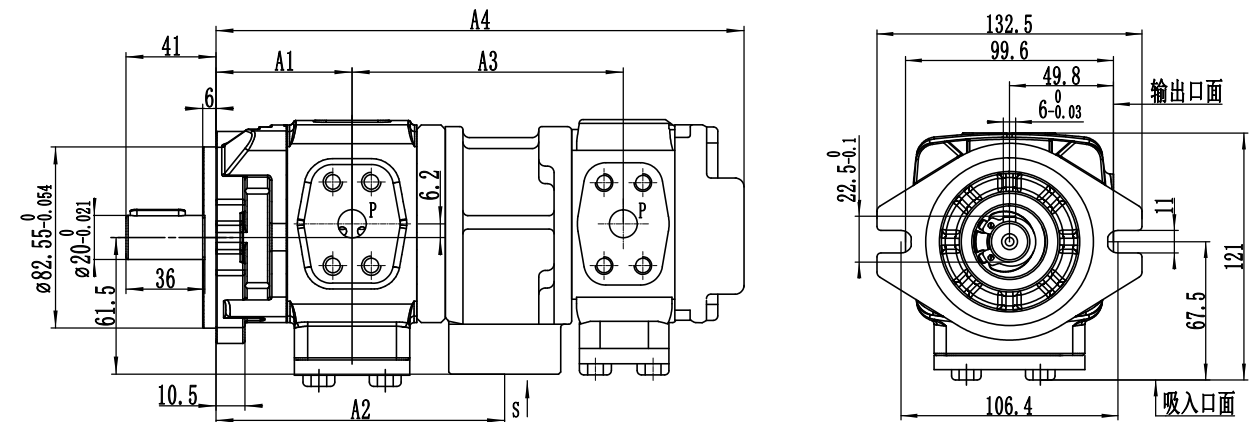
- *Both the front and rear oil pumps adopt a floating spline coupling structure, and combined with a unique grease formula, they ensure stable pump performance, long service life and low noise.
- *The maximum displacement can be expanded to 320CC, providing sufficient options for the selection of motors, drivers and machine models.
- *The directions of the oil outlet and oil inlet of the pump can be flexibly adjusted. The oil inlet is a shared interface, making installation simple and use convenient.
- *Arbitrary displacement combinations are available, suitable for different working condition requirements.

型号说明

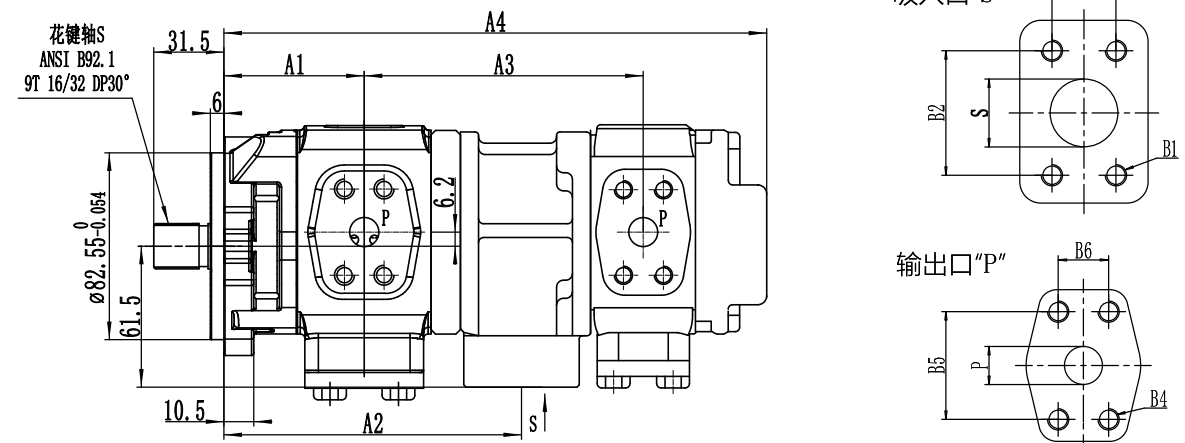
HG21	-160	-63	R	E	W	-F1
系列号	前泵规格ml/r	后泵规格ml/r	旋转方向	轴伸形式	密封材料	设计号
HG00	8、10、13、16、20、25	5、8、10、13、16、20、25	从泵轴端看 R=顺时针旋转 L=逆时针旋转	E=平键轴	W=丁腈橡胶	F1
HG10	25、32、40、50、63	5、8、10、13、16、20、25				
HG11	25、32、40、50、63	25、32、40、50、63				
HG21	80、100、125 145、160	25、32、40、50、63		R=花键轴	V=氟橡胶	
HG22	80、100、125 145、160	80、100、125 145、160				

HG00安装连接尺寸 Installation connection dimensions

HG00 (P型平键轴/P-type flat key shaft)



HG00 (S型花键轴/S-type splined shaft)

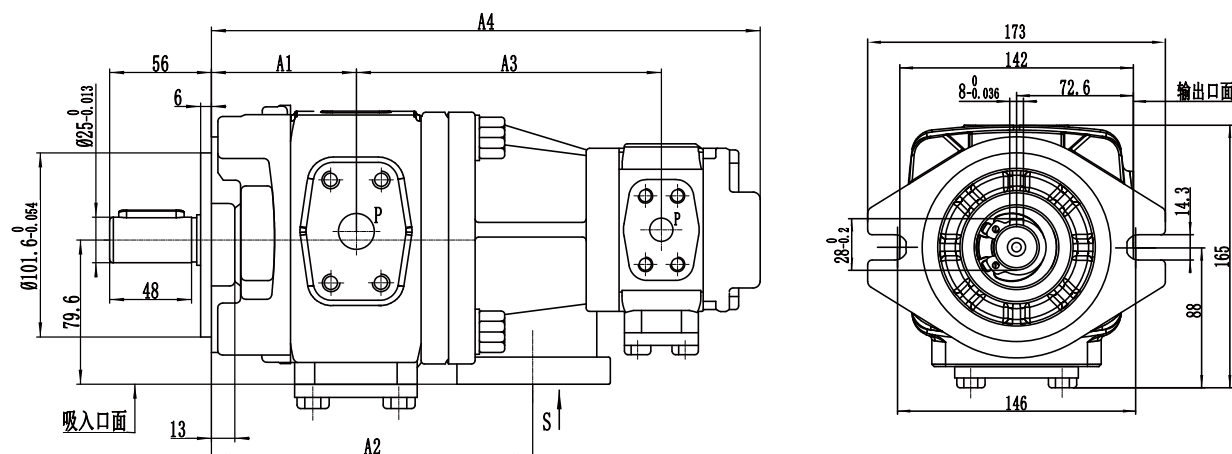


*详细参数见15页

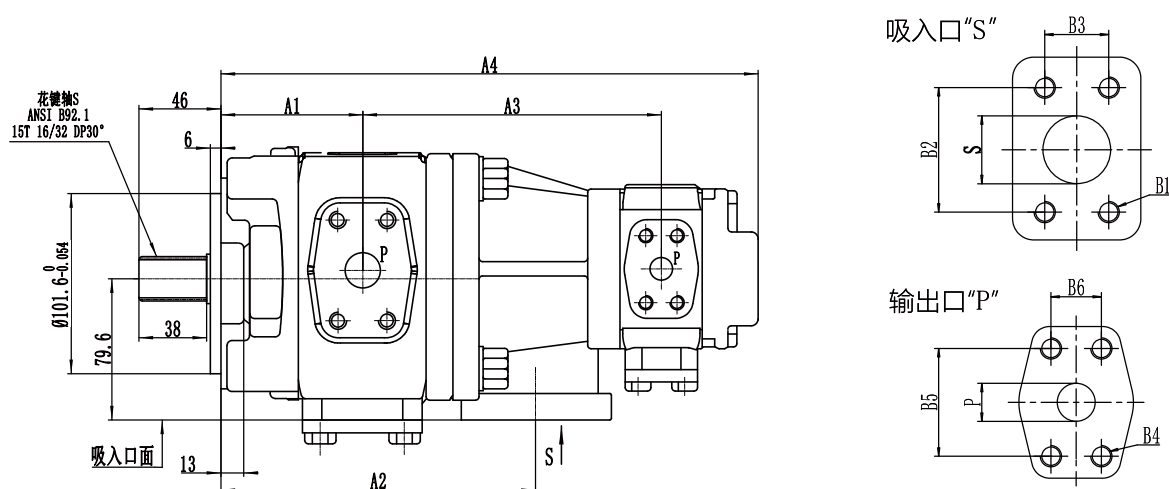
前泵型号	A1	A2	后泵规格													
			5		8		10		13		16		20		25	
			A3	A4	A3	A4	A3	A4	A3	A4	A3	A4	A3	A4	A3	A4
HG00-08	54	115.5	111	211	113.5	216										
HG00-10	56	119.5	113	215	115.5	220	118	237								
HG00-13	59.3	126	116.3	221.5	118.8	226.5	120.8	230.5	124	237						
HG00-16	62	131.5	119	227	121.5	232	123.5	236	126.8	242.5	129.5	249				
HG00-20	66	139.5	123	235	125.5	240	127.5	244	130.8	250.5	133.5	257	137.5	265		
HG00-25	70	147.5	127	243	129.5	248	131.5	252	134.8	258.5	137.5	265	141.5	273	145.5	281

HG10安装连接尺寸 Installation connection dimensions

HG10 (P型平键轴/P-type flat key shaft)



HG10 (S型花键轴/S-type splined shaft)

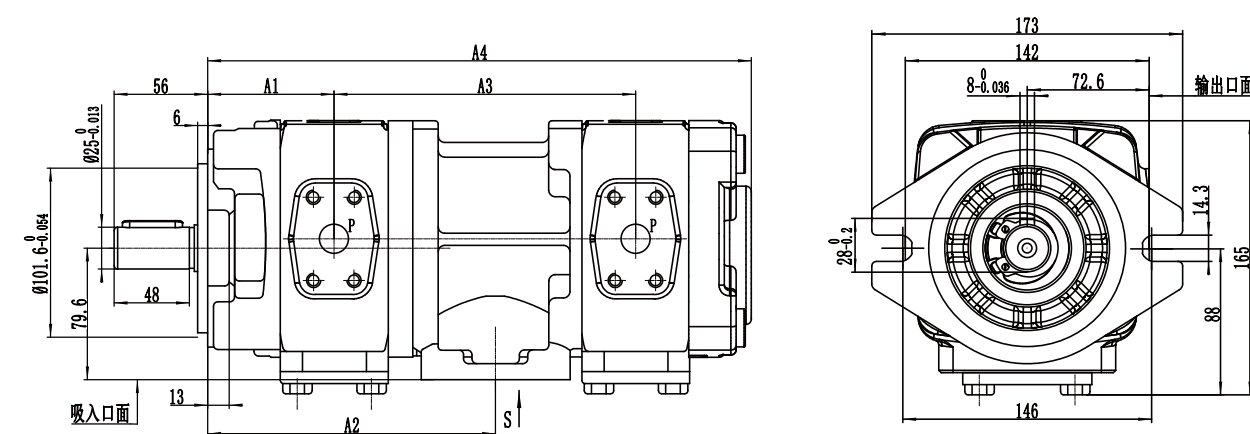


*详细参数见15页

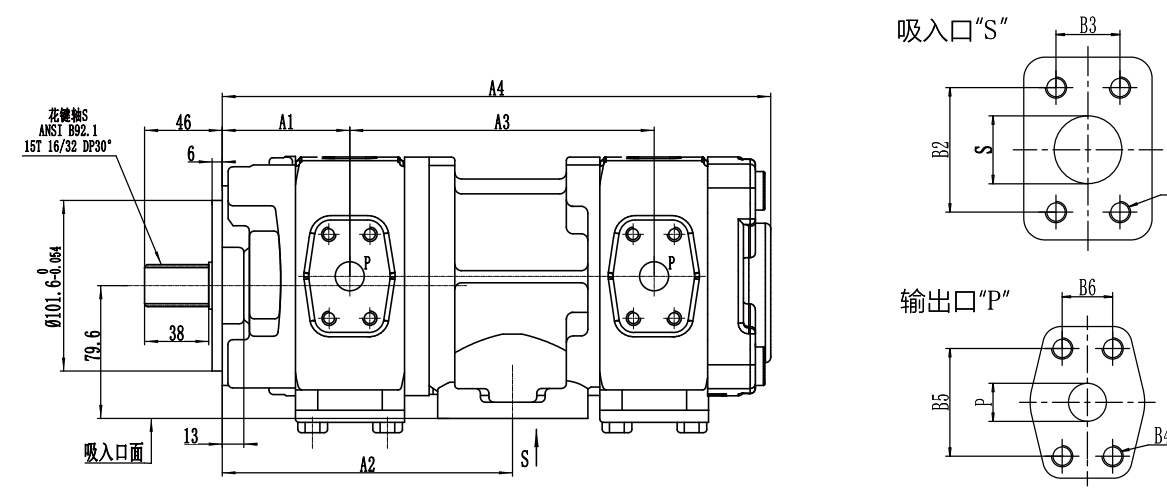
前泵型号	A1	A2	后泵规格											
			8		10		13		16		20		25	
			A3	A4	A3	A4	A3	A4	A3	A4	A3	A4	A3	A4
HG10-25	73	153.5	136	263.5	140.5	268.5	143.8	275	146.5	280.5	150.5	288.5	154.5	296.5
HG10-32	76.5	160.5	139.5	270.5	144	275.5	147.3	282	150	287.5	154	295.5	158	303.5
HG10-40	80	167.5	143	277.5	147.5	282.5	150.5	289	153.5	294.5	157.5	302.5	161.5	310.5
HG10-50	85	177.5	148	287.5	152.5	292.5	155.8	299	158.5	304.5	162.5	312.5	166.5	320.5
HG10-63	92	191.5	155	301.5	159.5	306.5	162.8	313	165.5	318.5	169.5	326.5	173.5	334.5

HG11安装连接尺寸

HG11 (P型平键轴/P-type flat key shaft)



HG11 (S型花键轴/S-type splined shaft)

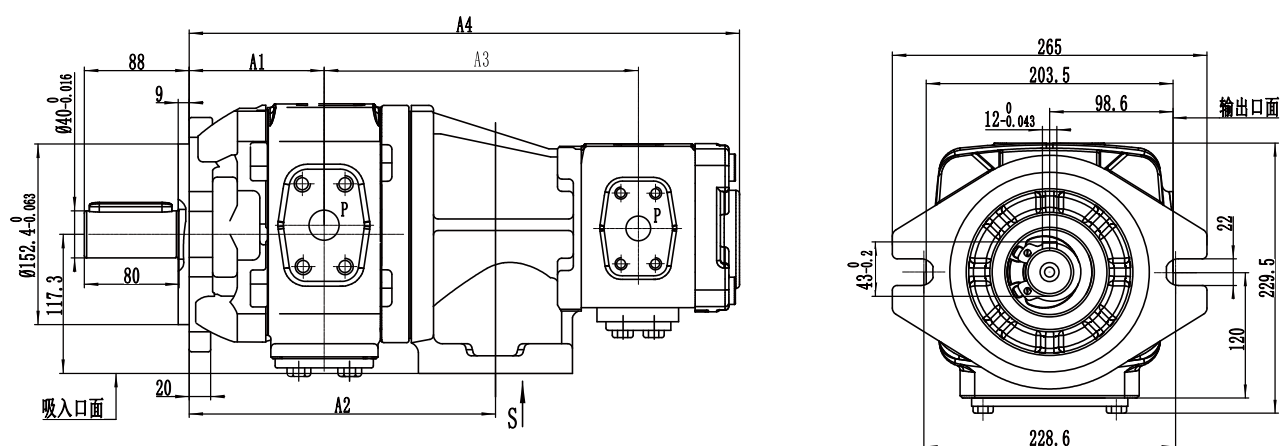


*详细参数见15页

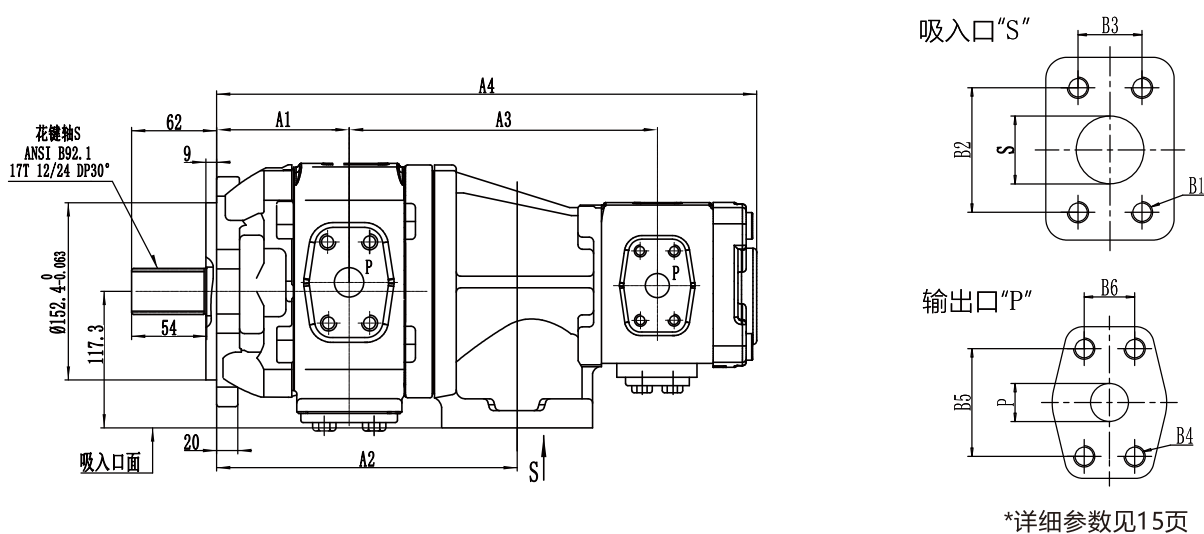
前泵型号	A1	A2	后泵规格									
			25		32		40		50		63	
			A3	A4	A3	A4	A3	A4	A3	A4	A3	A4
HG11-25	73	161	161	300								
HG11-32	76.5	168	164.5	307	168	314						
HG11-40	80	175	168	314	171.5	321	175	328				
HG11-50	85	185	173	324	176.5	331	180	338	185	348		
HG11-63	92	199	180	338	183.5	345	187	352	192	362	199	376

HG21安装连接尺寸 Installation connection dimensions

HG21 (P型平键轴/P-type flat key shaft)



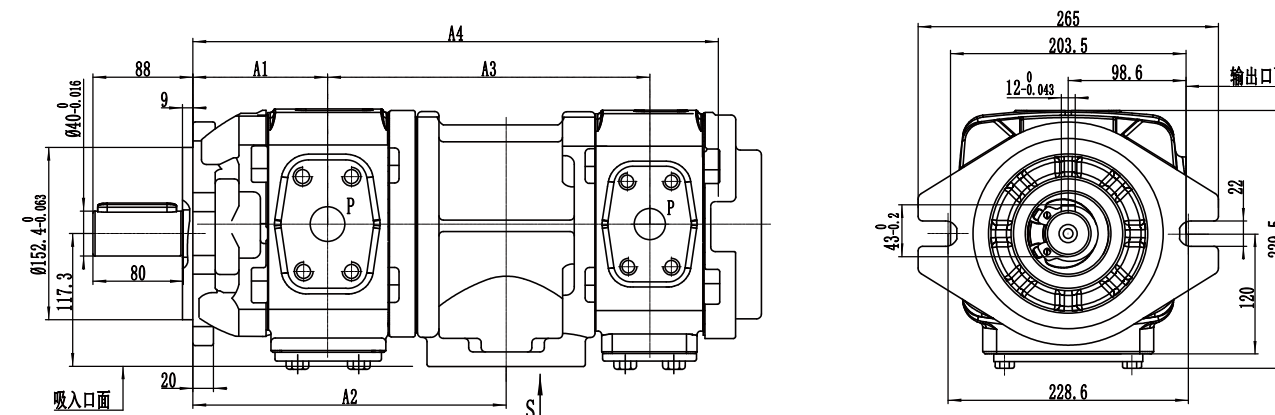
HG21 (S型花键轴/S-type splined shaft)



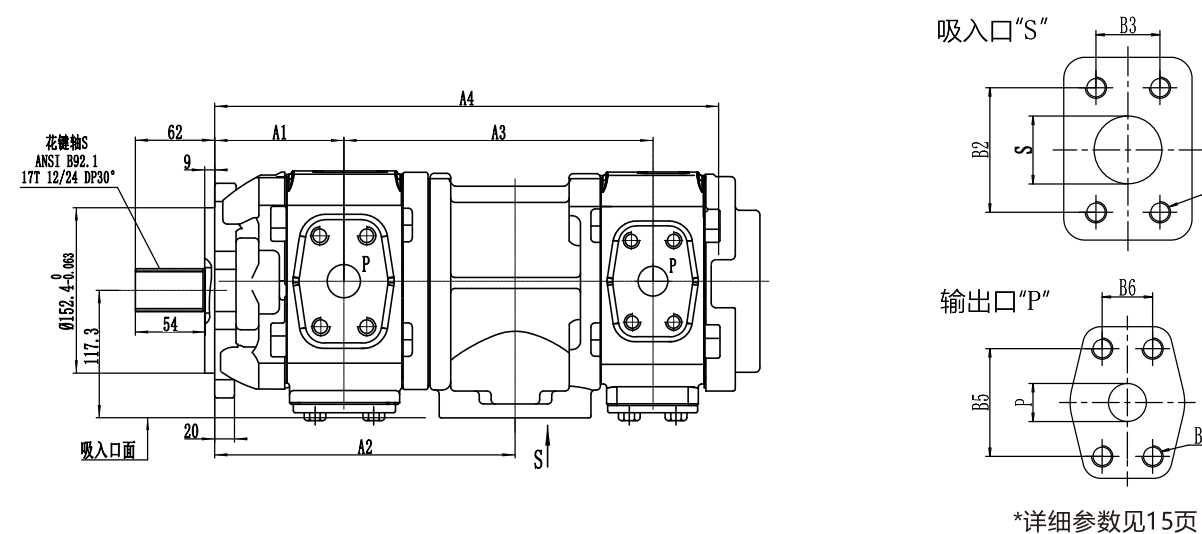
前泵型号	A1	A2	后泵规格									
			25		32		40		50		63	
			A3	A4	A3	A4	A3	A4	A3	A4	A3	A4
HG21-80	109.5	231	204.5	380	208	387	211.5	394	216.5	404	223.5	418
HG21-100	114	240	209	389	212.5	396	216	403	221	413	228	427
HG21-125	120	250.2	215	401	218.5	408	222	415	227	425	234	439
HG21-145	124.8	261.5	219.8	410.5	223.3	417.5	226.8	424.5	231.8	434.5	238.8	448.5
HG21-160	129	270	224	419	227.5	426	231	433	236	443	243	457

HG22安装连接尺寸 Installation connection dimensions

HG22 (P型平键轴/P-type flat key shaft)



HG22 (S型花键轴/S-type splined shaft)



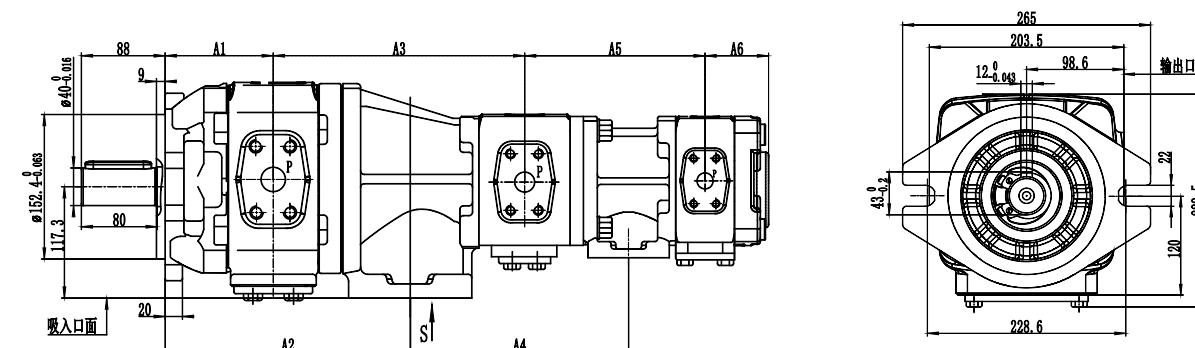
前泵型号	A1	A2	后泵规格											
			63		80		100		125		145		160	
			A3	A4	A3	A4	A3	A4	A3	A4	A3	A4	A3	A4
HG22-80	109.5	238.5	229	429	233	437								
HG22-100	114	247.5	233.5	438	237.5	446	242	455						
HG22-125	120	259.5	239.5	450	243.5	458	248	467	254	479				
HG22-145	124.5	269	244.3	459.5	248.5	467.5	252.8	476.5	258.8	488.5	263.5	498		
HG22-160	129	277.5	248.5	468	251.5	476	257	485	263	497	268.3	506.5	272	515

HG210	-160	-63	-20	R	E	W	-F1
系列号	前泵规 格 ml/r	中泵规 格 ml/r	后泵规 格 ml/r	旋转方向	轴伸形式	密封材料	设计号
HG110	25、32、40、 50、63	25、32、40、 50、63	5、8、10、13、 16、20、25	从泵轴端看 R= 顺时针旋 转 L= 逆时针旋 转	E= 平键轴 R=花键轴	W= 丁腈橡胶 V= 氟橡胶	F1
HG111	25、32、40、 50、63	25、32、40、 50、63	5、8、10、13、 16、20、25				
HG211	80、100、125、 145、160	25、32、40、 50、63	25、32、40、 50、63				
HG221	80、100、125、 145、160	80、100、125、 145、160	25、32、40、 50、63				
HG222	80、100、125、 145、160	80、100、125、 145、160	80、100、125、 160				

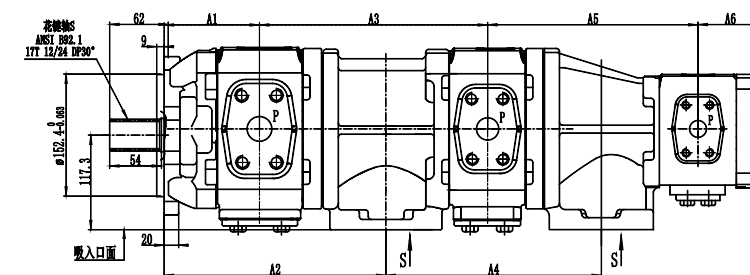
前泵型号	A1	A2	中泵规格											
			25		32		40		50		63			
			A3	A4	A3	A4	A3	A4	A3	A4	A3	A4		
HG110-25	73	161	161	153.5										
HG110-32	76.5	168	164.5	157	168	160.5								
HG110-40	80	175	168	160.5	171.5	164	175	167.5						
HG110-50	85	185	173	165.5	176.5	169	180	172.5	185	177.5				
HG110-63	92	199	180	172.5	183.5	176	187	179.5	192	184.5	199	376		
中泵型号	后泵规格													
	5		8		10		13		16		20		25	
	A5	A6	A5	A6	A5	A6	A5	A6	A5	A6	A5	A6	A5	A6
HG110-25	136	48	138.5	53	140.5	55	143.8	58.2	146.5	61	150.5	65	154.5	69
HG110-32	139.5	48	142	53	144	55	147.8	58.2	150	61	154	65	158	69
HG110-40	143	48	145.5	53	147.5	55	150.8	58.2	153.5	61	157.5	65	161.5	69
HG110-50	148	48	150.5	53	152.5	55	155.8	58.2	158.5	61	162.5	65	166.5	69
HG110-63	155	48	157.5	53	159.5	55	162.8	58.2	165.5	61	169.5	65	173.5	69

HG211安装连接尺寸 Installation connection dimensions

HG211 (P型平键轴/P-type flat key shaft)



HG211 (S型花键轴/S-type splined shaft)

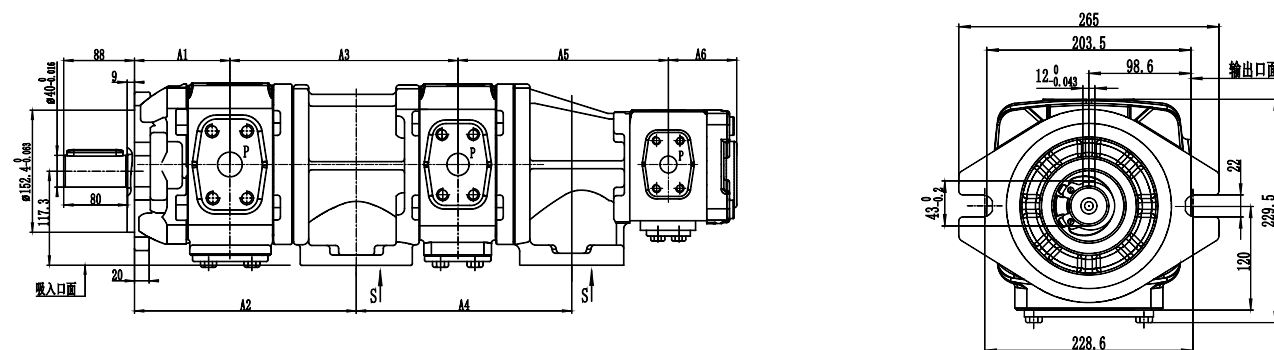


●吸油/出油口法兰 见第19页
See Page 19 for detailed parameters.

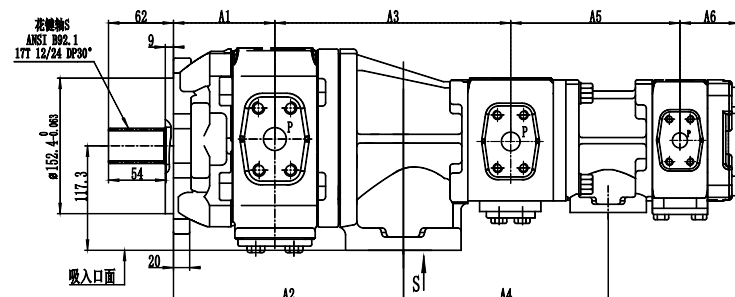
前泵型号	A1	A2	后泵规格									
			25		32		40		50		63	
			A3	A4	A3	A4	A3	A4	A3	A4	A3	A4
HG 211-80	109.5	231	204.5	194.5	208	198	211.5	201.5	216.5	206.5	223.5	213.5
HG 211-100	114	240	209	199	212.5	202.5	216	206	221	211	228	218
HG 211-125	120	252	215	205	218.5	208.5	222	212	227	217	234	224
HG 211-145	124.8	261.5	219.8	209.7	223.3	213.2	226.8	216.7	231.8	221.7	238.8	228.8
HG 211-160	129	270	224	214	227.5	217.5	231	221	236	226	243	233
中泵型号	后泵规格											
	25		32		40		50		63			
	A5	A6	A5	A6	A5	A6	A5	A6	A5	A6	A5	A6
HG211-25	161	66										
HG211-32	164.5	66	168	69.5								
HG211-40	168	66	171.5	69.5	175	73						
HG211-50	173	66	176.5	69.5	180	73	185	78				
HG211-63	180	66	183.5	69.5	187	73	192	78	199		85	

HG221安装连接尺寸 Installation connection dimensions

HG221 (P型平键轴/P-type flat key shaft)



HG221 (S型花键轴/S-type splined shaft)



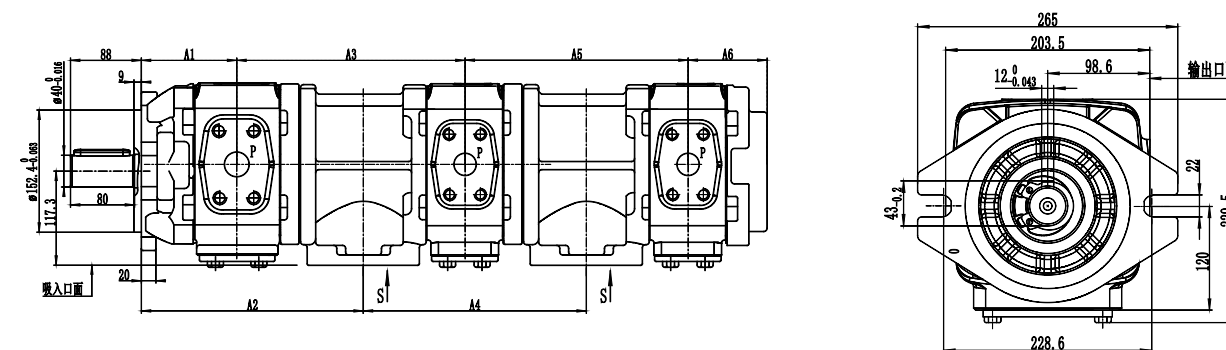
●吸油/出油口法兰 见第19页

See Page 19 for detailed parameters.

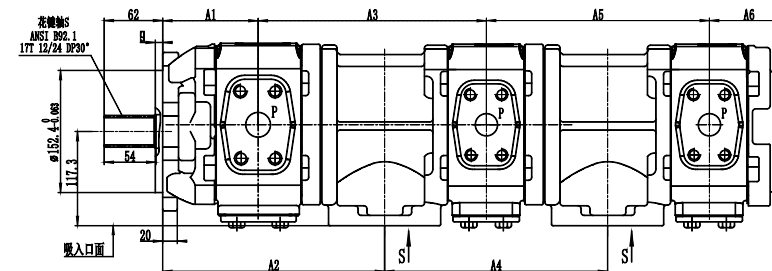
前泵型号	A1	A2	后泵规格									
			80		100		125		145		160	
			A3	A4	A3	A4	A3	A4	A3	A4	A3	A4
HG 221-80	109.5	238.5	233	225.5								
HG 221-100	114	247.5	237.5	230	242	234.5						
HG 221-125	120	259.5	243.5	236	248	240.5	254	246.5				
HG 221-145	124.5	269	248.5	240.8	252.8	245.3	258.8	251.3	263.5	256		
HG 221-160	129	277.5	252.5	245	257	249.5	263	255.5	267.8	260.3	272	264.5
中泵型号	后泵规格											
	25		32		40		50		63			
	A5	A6	A5	A6	A5	A6	A5	A6	A5	A6		
HG221-80	204.5	66	208	69.5	211.5	73	216.5	78	223.5	85		
HG221-100	209	66	212.5	69.5	216	73	221	78	228	85		
HG221-125	215	66	218.5	69.5	222	73	227	78	234	85		
HG221-145	219.8	66	223.3	69.5	226.8	73	231.8	78	238.8	85		
HG221-160	224	66	227.5	69.5	231	73	236	78	243	85		

HG222安装连接尺寸 Installation connection dimensions

HG222 (P型平键轴/P-type flat key shaft)



HG222 (S型花键轴/S-type splined shaft)

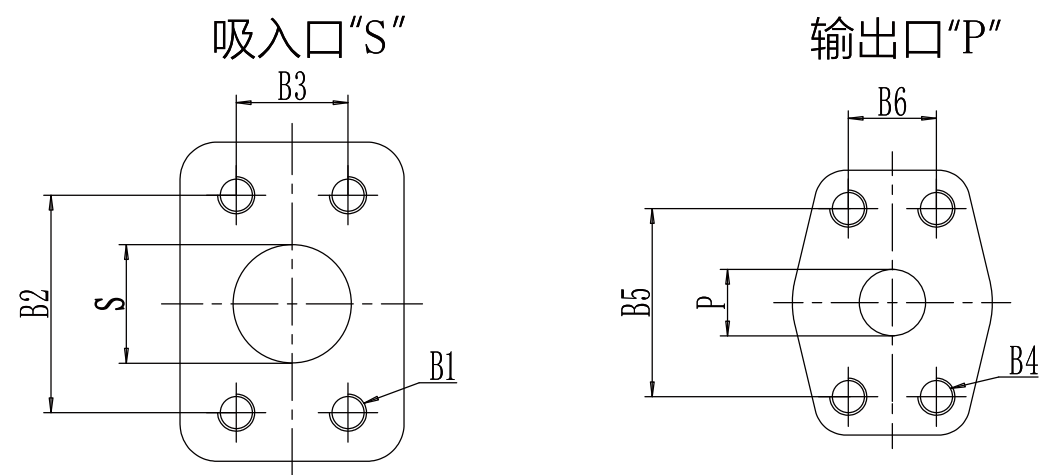


●吸油/出油口法兰 见第19页

See Page 19 for detailed parameters.

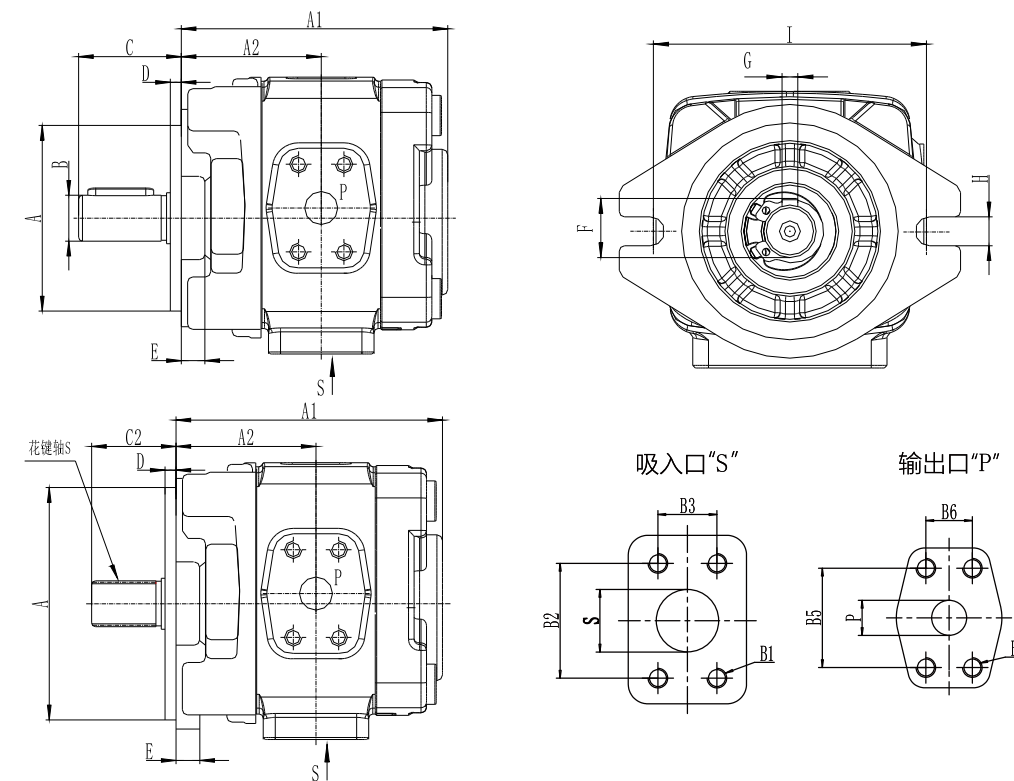
前泵型号	A1	A2	后泵规格									
			80		100		125		145		160	
			A3	A4	A3	A4	A3	A4	A3	A4	A3	A4
HG222-80	109.5	238.5	233	233								
HG222-100	114	247.5	237.5	237.5	242	242						
HG222-125	120	259.5	243.5	243.5	248	248	254	254				
HG222-145	124.5	269	248.5	248.5	252.8	252.8	258.8	258.8	263.5	263.5		
HG222-160	129	277.5	252.5	252.5	257	257	263	263	267.8	267.8	272	272
中泵型号	后泵规格											
	80		100		125		145		160			
	A5	A6	A5	A6	A5	A6	A5	A6	A5	A6		
HG221-80	233	94.5										
HG221-100	237.5	94.5	242	99								
HG221-125	243.5	94.5	248	99	254	105						
HG221-145	248.5	94.5	252.8	99	258.8	105	263.5	109.8				
HG221-160	251.5	94.5	257	99	263	105	268.3	109.8	272	114		

串泵油口法兰 Series Pump Oil Port Flange



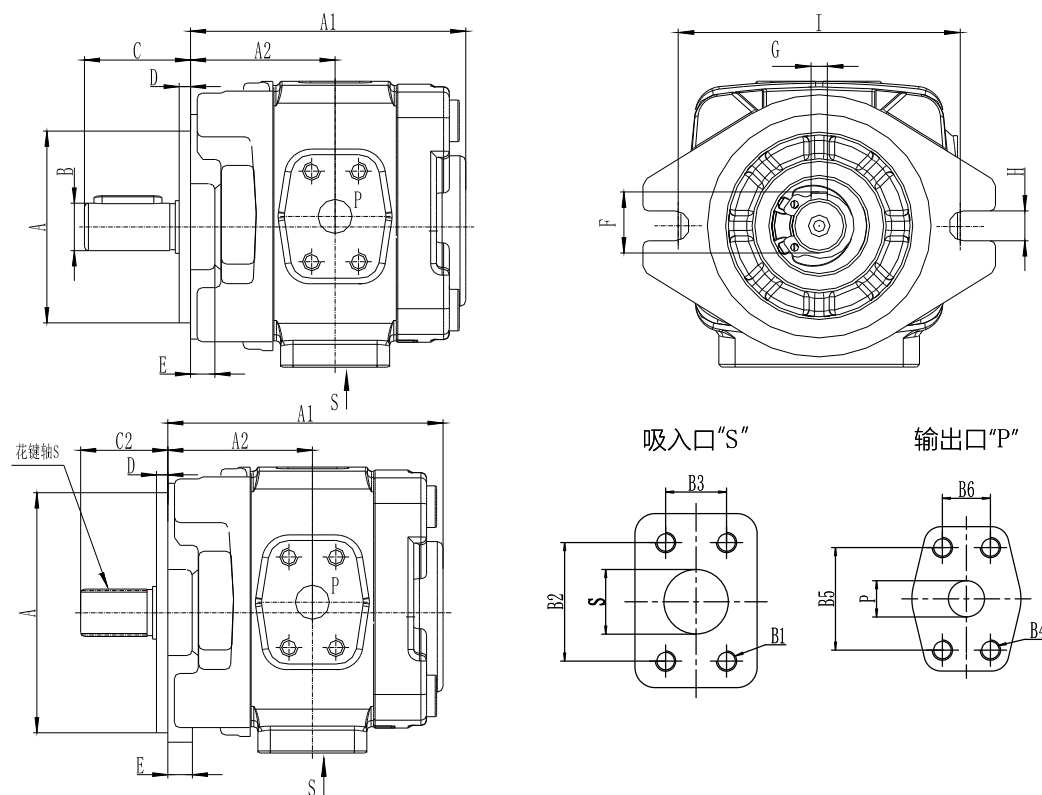
双联泵	S	B1	B2	B3	系列	规格	P	B4	B5	B6		
HG00	Φ32	M10通	58.7	30.2	HG0	5	Φ14	M8深13	38.1	17.5		
						8	Φ13					
						10						
						13						
HG10	Φ38	M12深20	69.9	35.7	HG0	16	Φ18	M10深15	47.6	22.2		
						20						
						25						
HG11	Φ51		M12深20	77.8	42.9	HG1	25	Φ18	M10深17	47.6	22.2	
							32	Φ20		52.4	26.2	
							40					
		40D										
HG21	Φ76	M12深20		106.4	61.9	HG1	50	Φ25.4	M12深20	57.2	27.8	
							50D			Φ20	M10深17	52.4
			63				Φ32					M12深20
			63D									
HG22	Φ89		M16深25	120.7	69.9	HG2	80	Φ32	M12深20	69.9	35.7	
							100					
		100D										
		125					Φ38	M16深25	79.4	36.5		
		145										
		145D										
160												
三联泵	泵	S	B1	B2	B3	泵	S	B4	B5	B6		
HG110	前泵	Φ51	M12深20	77.8	42.9	后泵	Φ38	M12深20	69.9	35.7		
HG111							Φ51	M12深20	77.8	42.9		
HG211		Φ76	M16深25	106.4	61.9		Φ76	M16深25	106.4	61.9		
HG221												
HG222												
HG222	后泵	Φ89	M16深25	120.7	69.9	Φ89	M16深25	120.7	69.9			

替换 VOITH 油泵参数 Replace the Parameters of VOITH Oil Pump



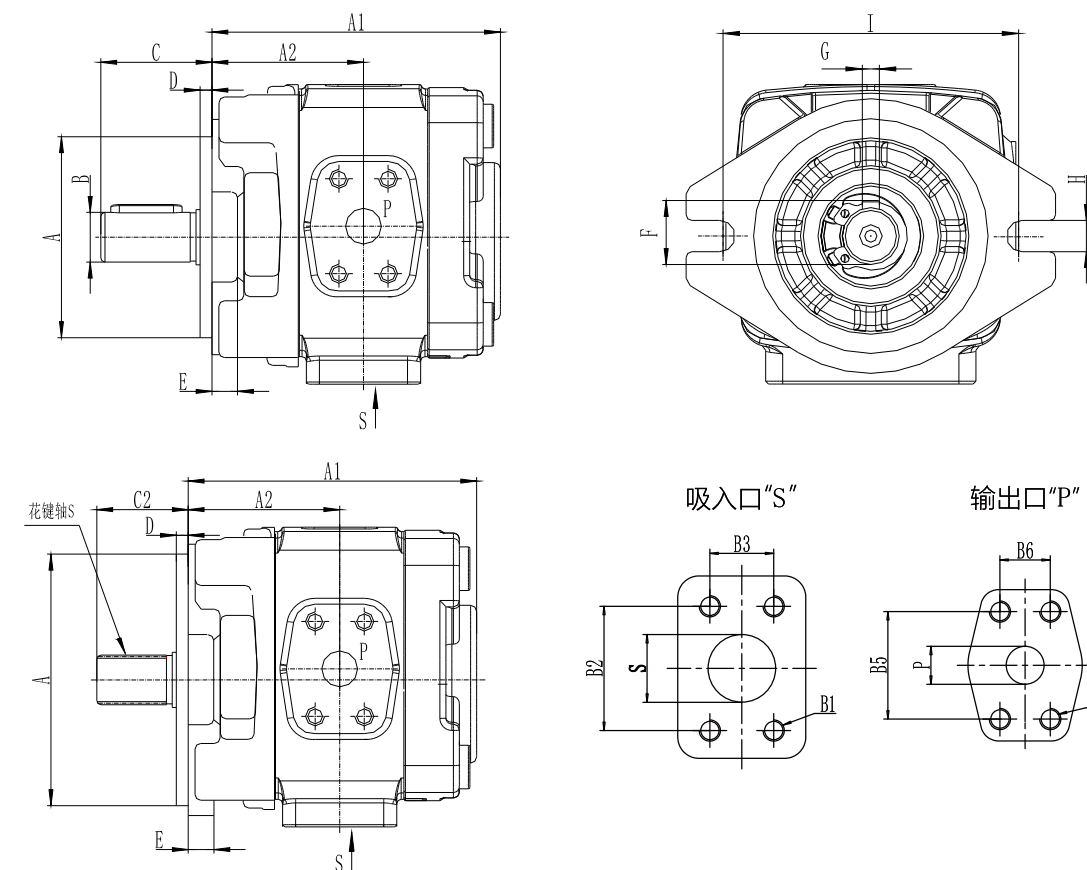
系列	规格	A1	A2	S	B1	B2	B3	P	B4	B5	B6	
IPV4	25	139	73	Φ32	M10深17	58.7	30.2	Φ25	M10深17	47.6	22.2	
	32	146	76.5									
IPV5	40	153	80		M12深20	69.9	35.7	Φ25	M10深17	52.4	26.2	
	50	163	85									
	63	177	92									
IPV6	80	204	109.5	Φ51	M12深20	77.8	42.9	Φ40	M12深20	69.9	35.7	
	100	213	114									
	125	225	120									
IPV7	160	243	129	Φ63.5	M16深25	88.9	50.8	Φ50				
系列	规格	A	B	C	D	E	F	G	H	I	花键S	C2
IPV4	25	101.6	D25	56	6	13	28	8	13.5	146	16/32-13T	46
	32											
IPV5	40	127	D25	56	6	13	28	8	17.5	181	16/32 15T	46
	50											
	63											
IPV6	80	152.4	D40	88	9	18.5	43	12	22	228.6	12/24 17T	62
	100											
	125											
IPV7	160											

替换 ECKERLE 油泵参数 Replace the Parameters of ECKERLE Oil Pump



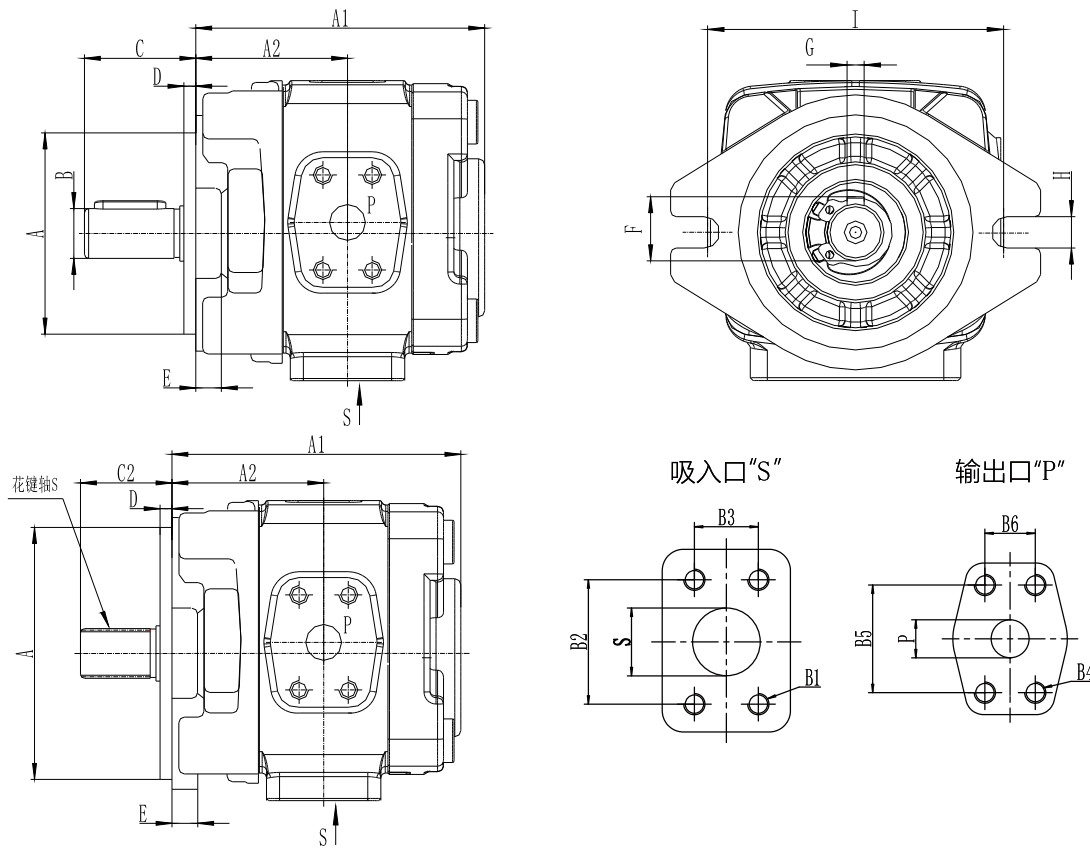
系列	规格	A1	A2	S	B1	B2	B3	P	B4	B5	B6	
EIPC3	25	139	73	Φ32	M10深17	58.7	30.2	Φ18	M10深17	47.6	22.2	
	32	146	76.5									
	40	153	80		M12深20	58.7	30.2	Φ20	M10深17	52.4	26.2	
	50	163	85									
EIPC5	63	177	92	Φ47.2	M12深20	77.8	42.9	Φ32	M14深25	66.7	31.8	
	80	201	106.5									88.9
	100	210	111			Φ63.5						
EIPC6	125	225	120	Φ63.5	M12深20	88.9	50.8	Φ38	M16深25	79.4	36.5	
	160	243	129	Φ76	M16深25	106.4	61.9					
系列	规格	A	B	C	D	E	F	G	H	I	花键S	C2
EIPC3	25	101.6	D25	56	6	13	28	8	13.5	146	16/32 15T	46
	32											
	40											
	50											
	63											
EIPC5	80	127	D32	85	6	22	43	12	17.5	181	12/24 14T	46
	100											
EIPC6	125	152.4	D40	88	9	18.5	43	12	22	228.6	12/24 17T	62
	160											

替换 Sumitomo 油泵参数 Replace the Parameters of Sumitomo Oil Pump



系列	规格	A1	A2	S	B1	B2	B3	P	B4	B5	B6	
QT4	32	146	76.5	Φ32	M12深20	69.9	35.7	Φ25	M10深17	52.4	26.2	
	40	153	80									
QT5	50	163	85	Φ51	M12深20	77.8	42.9	Φ32	M10深17	58.7	30.2	
	63	177	92									
QT6	80	204	109.5	Φ63.5	M12深20	88.9	50.8	Φ38	M12深20	69.9	35.7	
	100	213	114									
	125	225	120									
系列	规格	A	B	C	D	E	F	G	H	I	花键S	C2
QT4	32	101.6	D25	56	6	13	28	8	14.3	146	16/32 14T	46
	40											
QT5	50	127	D40	88	6	13	43	12	17.5	181		
	63											
QT6	80	152.4	D50	88	9	18.5	53.5	14	22	228.6	12/24 14T	62
	100											
	125											

替换 SETTIMA 参数 Replace the Parameters of SETTIMA Oil Pump



系列	规格	A1	A2	S		B1		B2	B3	P	B4	B5	B6
GR47	32	146	76.5	Φ32	M10深17	58.7	30.2	Φ18	M10深17	47.6	22.2		
	40	153	80										
	50	163	85										
GR55	63	177	92	Φ32	M12深20	69.9	35.7	Φ20	M10深17	52.4	26.2		
	80	204	109.5										
	100	213	114										
GR72	125	225	120	Φ63.5	M12深20	88.9	50.8	Φ38	M16深25	79.4	36.5		
	160	243	129										
系列	规格	A	B	C	D	E	F	G	H	I	花键S	C2	
GR47	32	101.6	25	56	6	13	28	8	14.3	146	16/32 13T	46	
	40												
	50												
GR55	63	101.6	25.4	56	6	13	28	6.35	14.3	146	16/32 15T	46	
	80												
	100												
GR72	125	152.4	40	88	9	18.5	43	12	22	228.6	12/24 23T	54	
	160												

使用注意事项 Precautions for Use

工作介质 Working Medium

可使用粘度范围在10-300mm²/s的石油基矿物油，推荐使用ISO VG46 抗磨液液压油。
Petroleum-based mineral oil with a viscosity range of 10-300 mm²/s can be used; ISO VG46 anti-wear hydraulic oil is recommended.

工作温度 Operating Temperature

工作温度范围-10℃--100℃,为保证长期的可靠寿命，最佳工作温度范围30-60℃，清洁度控制要求控制系统油液的清洁度水平，不超过9级(NAS 1638)或17/14(ISO 4066)

The operating temperature range is -10°C to 100°C. To ensure long-term reliable service life, the optimal operating temperature range is 30-60°C. For cleanliness control, the oil cleanliness level in the control system must be maintained, not exceeding Class 9 (NAS 1638) or 17/14 (ISO 4066).

吸入口压力与配管 Suction Port Pressure and Piping

允许吸入口绝对压力为0.2-2 Bar。合理的配管通径应不小于泵的吸油口，以确保平均0.6-1.2m/s的最佳吸油速度。
The allowable absolute pressure at the suction port is 0.2-2 Bar. The diameter of the piping should be no smaller than that of the pump's suction port to ensure an optimal oil suction speed of 0.6-1.2 m/s on average.

进出口连接 Inlet and Outlet Connections

尽力避免进出油管采用钢管硬连接，建议使用橡胶软管，以避免出现额外的负载导致共振及额外的噪音。连接轴与电机连接尽可能使用挠性联轴器，以避免产生弯曲力矩或轴向推力，轴与电机轴最大允许同轴度误差小于0.15mm。
Hard connections using steel pipes for the inlet and outlet oil pipes should be avoided as much as possible; rubber hoses are recommended to prevent additional loads that may cause resonance and excessive noise. A flexible coupling should be used for the connection between the pump shaft and the motor shaft whenever possible to avoid bending moments or axial thrust. The maximum allowable coaxiality error between the pump shaft and the motor shaft shall be less than 0.15 mm.

使用前注意事项 Precautions before use

安装 Installation

安装完成后注意联轴器之间需要留有3-5mm间隙，避免油泵与电机顶死，导致油泵损坏。整体安装完成后断电在旋转下联轴器，看是否旋转顺畅，同心度良好。

After installation, ensure a 3-5 mm gap is left between the couplings to prevent the oil pump and motor from being locked against each other, which could cause damage to the oil pump. After the overall installation is completed, cut off the power supply and rotate the coupling by hand to check if it rotates smoothly and if the coaxiality is good.

排气 Air Bleeding

在初次运转前，应采用向泵内注油或增设排气阀等方式，排除泵内和系统管路里的空气，如果泵内或管路内有空气残留会导致泵的振动及噪音，并间接影响的使用寿命。

Before the first operation, air in the pump and system pipelines must be exhausted by means such as filling oil into the pump or installing an exhaust valve. Residual air in the pump or pipelines will cause vibration and noise of the pump and indirectly affect its service life.

保养使用及维护 Maintenance, use and upkeep

保养 Maintenance

为提高泵的使用寿命，应定期检查系统的异常振动、噪音、油液温度、油箱内是否有气泡生成以及有无泄漏等问题，并及时维护。

To extend the service life of the pump, regularly inspect the system for abnormal vibration, noise, oil temperature, air bubbles in the oil tank, and leaks, and perform maintenance in a timely manner.

维护 Maintenance

未经我公司同意，请勿拆解油泵，避免后期产品回厂问题分析。

Do not disassemble the oil pump without the consent of our company, to avoid difficulties in analyzing problems when the product is returned to the factory later.

安全 Safety

泵如出现异常状况，请勿直接触摸泵，避免被高温烫伤。

If the pump malfunctions, do not touch it directly to prevent scalding from high temperatures.