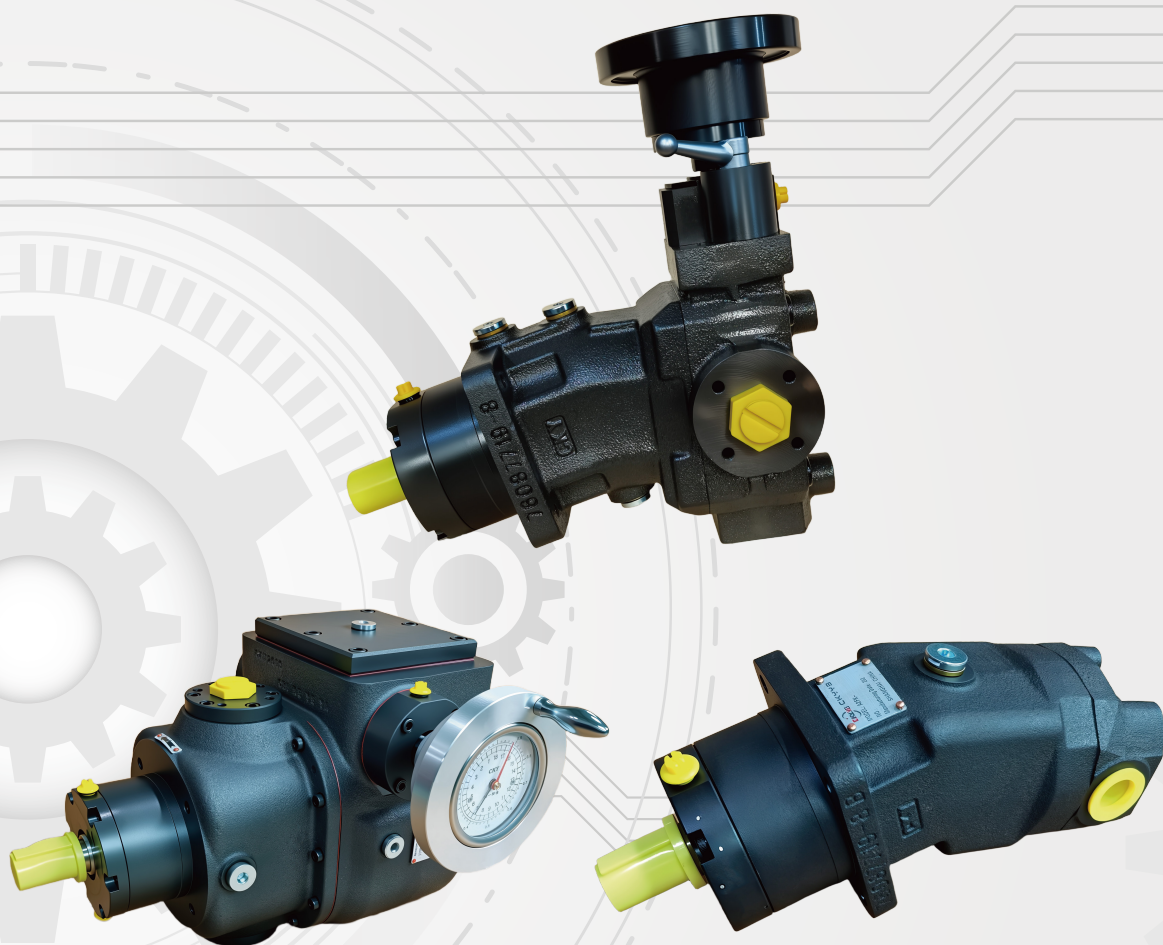


质量第一
信誉至上

QUALITY FIRST / REPUTATION FIRST



驰克液压泵(上海)有限公司 上海灵港液压泵制造有限公司

Chike Hydraulic Pump (Shanghai) Co., Ltd.

Shanghai Linggang Hydraulic Pump Manufacturing Co., Ltd.

我司通过ISO9001-2015质量管理体系认证

公司简介

驰克液压泵(上海)有限公司、上海灵港液压泵制造有限公司, 注册在上海海港综合经济开发区, 创建于一九八八年, 她的前身是上海液压泵厂分厂, 生产销售液压泵、油马达、液压成套等产品, 是集生产、经营、维修为一体的实体公司。

生产的多种型号规格斜轴式轴向柱塞定量泵, 油马达及斜轴式轴向柱塞变量泵, 可广泛应用于建筑、工程机械、冶金矿山设备、石油、铁道、船舶、塑料加工、轻工、机床、聚氨酯高低压发泡机设备等机械的开式、闭式液压系统。

公司以质量和信誉视为生命的质量方针, 一切为用户着想, 为用户提供优质产品和满意的售后服务。

Company Profile

Chike Hydraulic Pump (Shanghai) Co., Ltd. / Shanghai Linggang Hydraulic Pump Manufacturing Co., Ltd.

Registered in the Shanghai Seaport Comprehensive Economic Development Zone, the company was founded in 1988. Its predecessor was the branch plant of Shanghai Hydraulic Pump Factory. Specializing in the production and sales of hydraulic pumps, hydraulic motors, and complete hydraulic systems, it operates as an integrated entity engaged in manufacturing, trading, and maintenance services.

The company manufactures various models and specifications of fixed displacement bent axis axial piston pumps, hydraulic motors, and variable displacement bent axis axial piston pumps. These products are widely applicable in open and closed hydraulic systems across industries including: Construction, engineering machinery, metallurgical & mining equipment, petroleum, railways, marine vessels, plastic processing, light industry, machine tools, and polyurethane foam injection machines (high/low pressure).

Upholding a quality philosophy that regards quality and credibility as its lifeblood, the company prioritizes customer needs and is committed to providing superior products and satisfactory after-sales service.



A2VK/A2FK/A7VK计量泵工作原理、用途及特点

工作原理 Working Principle

泵的作用是将机械能转变为液压能。通过连杆柱塞带动缸体旋转,此时缸体内的柱塞孔发生容积变化。介质经配流盘的高压窗口从泵的排出口排出。

Pump is the role of mechanical energy into hydraulic energy. Driven by the rotating cylinder through the connecting rod plunger, the plunger hole cylinder volume change occurs. The medium is discharged from the discharge port of the pump with high pressure valve plate of the window.

用途 Applications

高压轴向柱塞泵, 该泵主要用于泵送和计量聚氨酯类液体

A high-pressure axial piston pump, primarily used for pumping and metering polyurethane liquids.

特点 Features

各种流量的计量精度重复性高

High metering accuracy and reproducibility of the variable pumped volumes

通过带内装精确测量刻度的手轮进行手动调节流量, 调节准确, 运行平稳

Robust manual adjustment via handwheel with integral precision measuring scale

工作压力可到25Mpa

Operating pressure up to 250bar

进口压力低, 可泵送高粘度液体

Low suction pressure, even when pumping high viscosity materials

流量脉动小, 容积效率高

Excellent volumetric efficiency for high metering accuracy

技术参数/安装位置 Technical Data/Installs the position

泵与电动机的联接采用弹性联轴器, 联接同轴度不应超过0.1mm。

A flexible coupler is adopted to connect the pump and the prime mover, with coaxiality no more than 0.1 mm.

安装泵时必须使泄漏油口处于最高位置, 泄漏油管必须高于泵的最高点, 以保证泵壳内充满油液或供油管外径尺寸加大。

The leakage oil port shall be located on the highest place during installation, and the leakage oil tube shall be higher than the highest point of the pump to ensure the pump is filled with oil.

工作压力范围 Working pressure range

进口侧 Input

开式回路: 吸油口S处为0.1-0.3MPa绝对压力

Filling pressure at the port S: 0.1-0.3Mpa

出口侧(油口A或B的压力) Output (Maximum pressure at port A or B)

公称压力 PN: 25MPa

Nominal pressure PN: 25MPa

峰值压力 Pmax: 32MPa

Peak value pressure Pmax: 32MPa



A2VK 系列斜轴式轴向柱塞变量泵

Axial Piston Variable Pump- A2VK

A2VK 系列斜轴式轴向柱塞变量泵是通过手轮控制方式进行任意调节,并配置变量显示,实现精确的计量。这对于某种场合的使用,显得特别方便。手轮的安装位置分左面或右面,用户可根据自己的需要进行选择, A2VK系列产品是适用于使用粘度较高介质的液压系统,如油脂类和聚氨酯等介质。

The A2VK Series Bent Axis Variable Displacement Pumps feature handwheel control for infinite adjustment, equipped with a stroke indicator to achieve precise metering. This design offers exceptional convenience for specific operational requirements. The handwheel can be installed on either the left or right side, allowing users to select the configuration based on their needs. A2VK series pumps are specially suited for hydraulic systems operating with high-viscosity media (such as greases and polyurethane), ensuring reliable performance in demanding applications.



技术参数 Technical Data

规格 Specification		A2VK-5	A2VK-12	A2VK-28	A2VK-55	A2VK-107	A2VK-225
理论排量 cm ³ /r Displacement		4.93	11.6	28.1	54.8	107	225.1
转速 r/min Rotational Speed	额定 n _N Rated	1450	1450	1450	1450	1450	1450
	最高 n _N Maximun	—	—	—	—	—	—
压力 MPa Pressure	额定 P _N Rated	25	25	25	25	25	25
	最高 P _N Maximun	31.5	31.5	31.5	31.5	31.5	31.5
输入功率 (kW) n=1450r/min P=P _N Input Power		5	5.5	11	22	43	75
质量 kg Mass	(手动控制) (Manual Control)	21	22	36	64	117	230

A2VK 系列斜轴式轴向柱塞变量泵

Axial Piston Variable Pump- A2VK

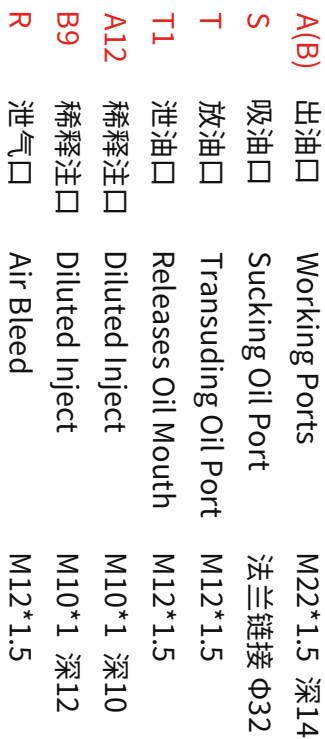
型号说明 Demonstration Of The Type

A2V										K	28	MA	H	R	P	1	1	S02				
泵类型 Pump Type										防腐蚀型号 Corrosion-resistant model												
斜轴式变量泵 Bent Axis Variable Pump										手轮位置 Handwheel Position												
介 质 Hydraulic Fluids										右 侧 Right			0	左 侧 Left			1					
较高粘度介质 High Viscosit Fluids										(从轴端看) (View From The End Of Axis)												
规 格 Specification										流量调节形式 Flow Control Type												
公称排量 Nominal Capacity										5	12	28	55	107	225	单 向 Unidirectional				I		
控制方式 Control Mode										输出轴形式 Output Shaft Model												
手动控制 Manual Operated										MA			平 键 Parallel Key							P		
进油方式 Oil Feed Mode										旋转方向 Rotation Direction												
壳体进油 Hiding Mode										H			耳轴进油 Trunnion-oiled			G				右旋 Right		R
(自 吸) (Self-suck)																			左旋 Left		L	

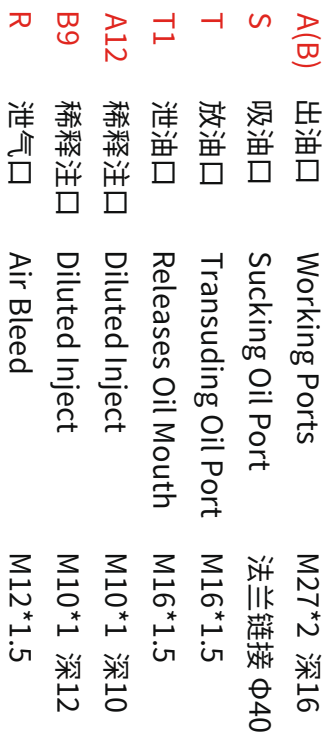
(从轴端看)
(View From The End Of Axis)



Dimensions of A2VK-5/12

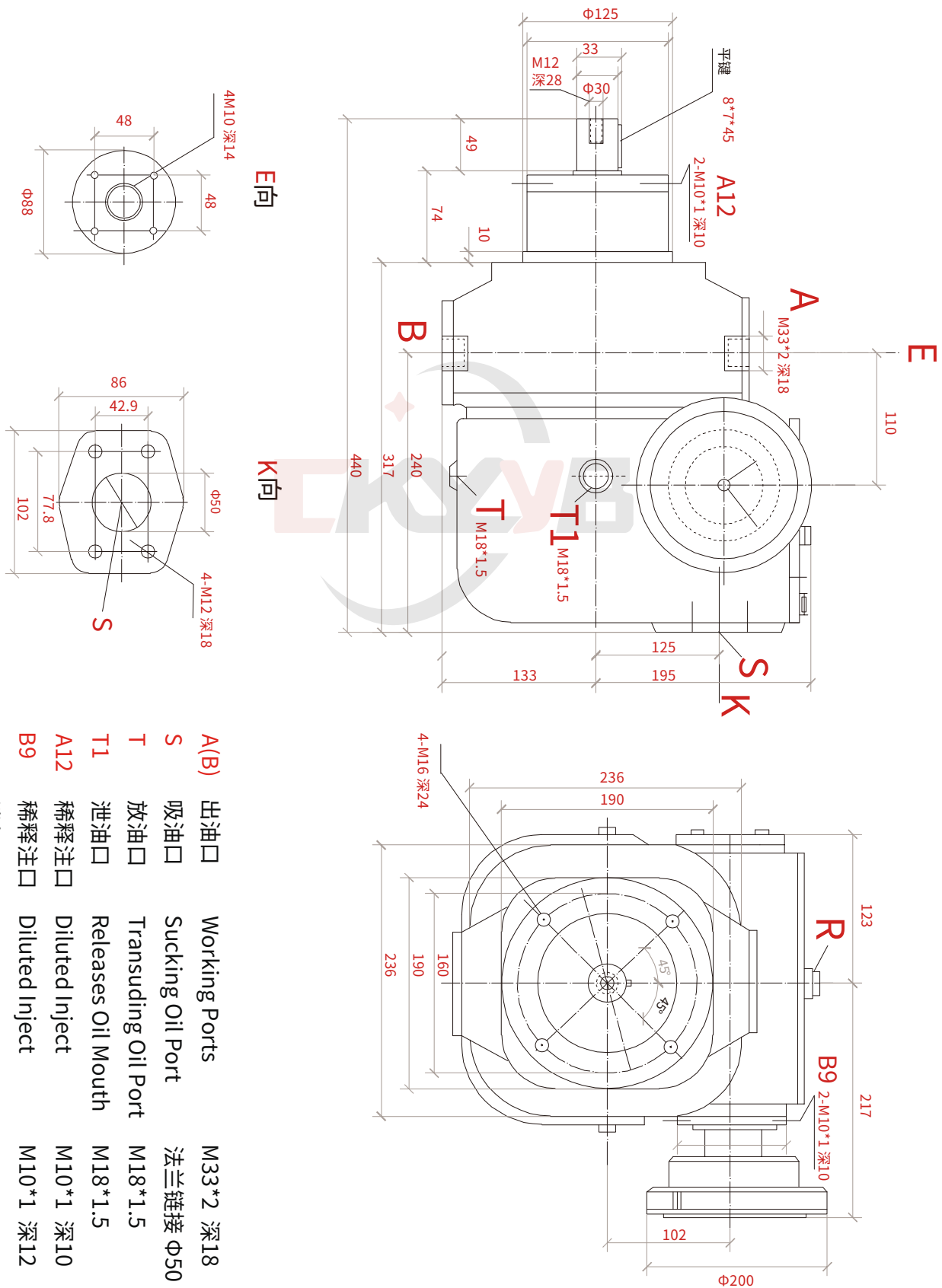


Dimensions of A2VK-28



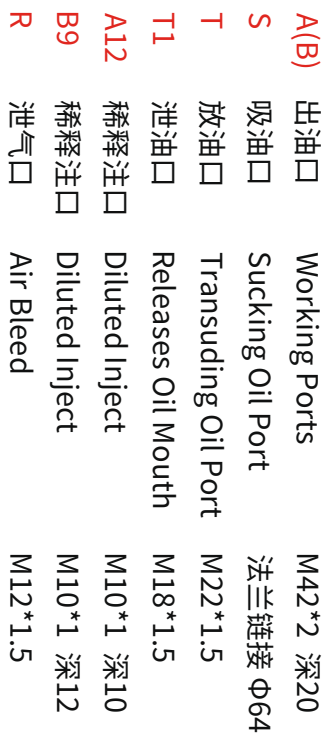
A2VK-55外形尺寸

Dimensions of A2VK-55



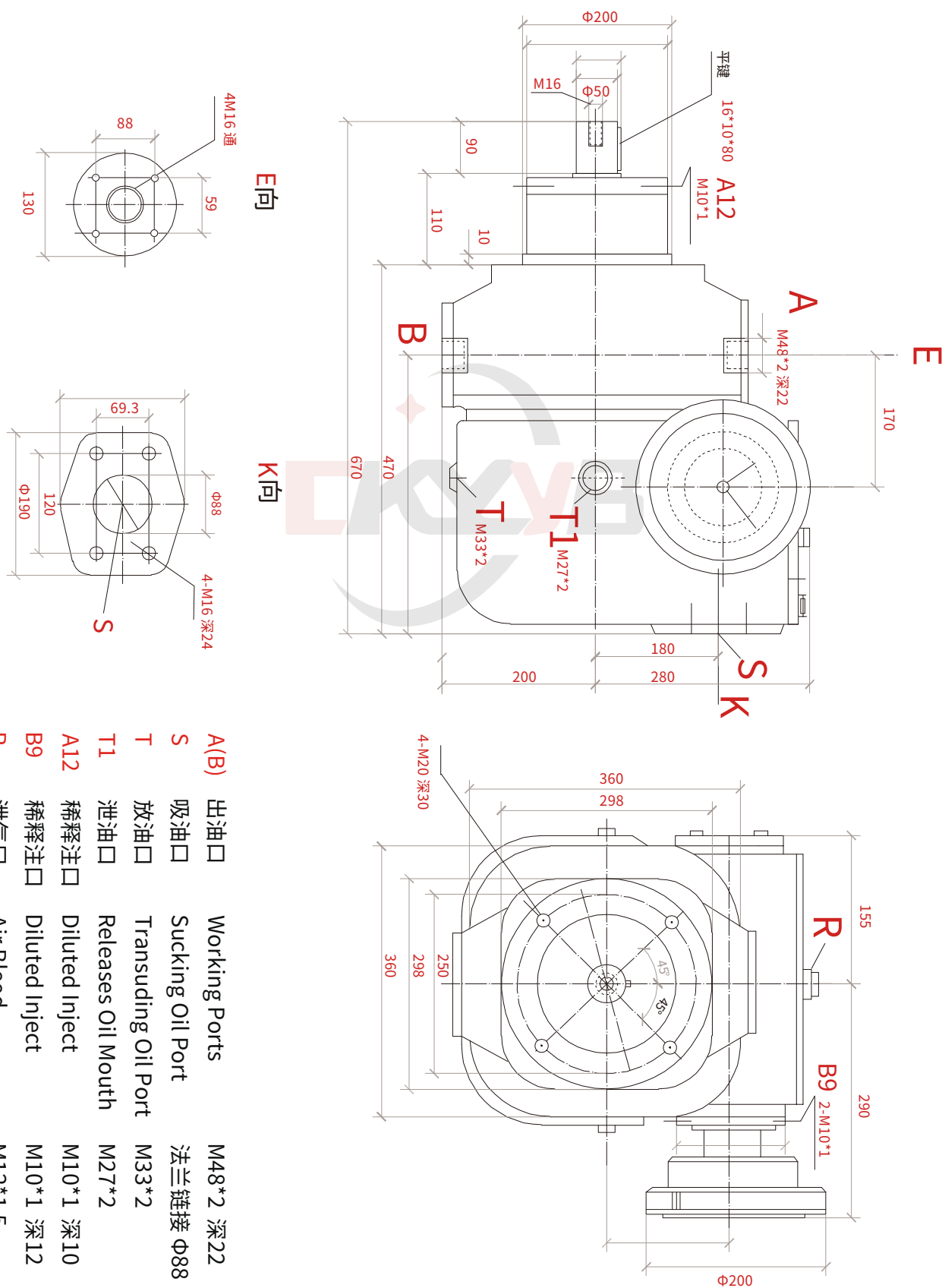
A(B)	出油口	Working Ports	M33*2 深18
S	吸油口	Sucking Oil Port	法兰链接 Φ50
T	放油口	Transuding Oil Port	M18*1.5
T1	泄油口	Releases Oil Mouth	M18*1.5
A12	稀释注口	Diluted Inject	M10*1 深10
B9	稀释注口	Diluted Inject	M10*1 深12
R	泄气口	Air Bleed	M12*1.5

Dimensions of A2VK-107



A2VK-225外形尺寸

Dimensions of A2VK-225



A(B)	出油口	Working Ports	M48*2 深22
S	吸油口	Sucking Oil Port	法兰链接 Φ88
T	放油口	Transuding Oil Port	M33*2
T1	泄油口	Releases Oil Mouth	M27*2
A12	稀释注口	Diluted Inject	M10*1 深10
B9	稀释注口	Diluted Inject	M10*1 深12
R	泄气口	Air Bleed	M12*1.5

A2F/K 系列斜轴式轴向柱塞定量泵/马达

Axial Piston Fixed Pump/Motor- A2F/K

A2F/K 系列斜轴式轴向柱塞定量泵/马达是目前国内外较先进的液压元件。它与国外相同型号、规格的产品能完全互换，A2F/K系列斜轴式定量泵/马达是一种可逆元件，配以不同的配流盘和后盖，可满足各种液压系统的需要。因此它广泛应用于冶金、矿山、石油、建筑、工程机械、铁道、船舶、塑料加工、轻工、机床、聚氨酯发泡机等机械的开式、闭式液压系统。

A2F/K series of bent axis constant pump/motor are advanced hydraulic components at home and abroad, They can interchange completely with the overseas products which have the same type and same specification, A2F/K series of bent axis constant pump/motor are reversible components; They can meet needs of all kinds of hydraulic systems by installing different valve plate and back plate, So they can be widely used in metallurgical, mine, petroleum, architecture, engineering machinery, railways, shipping shipbuilding, plastics processing, light industry, machine tools, polyurethane foaming machine, machinery open, closed hydraulic system.



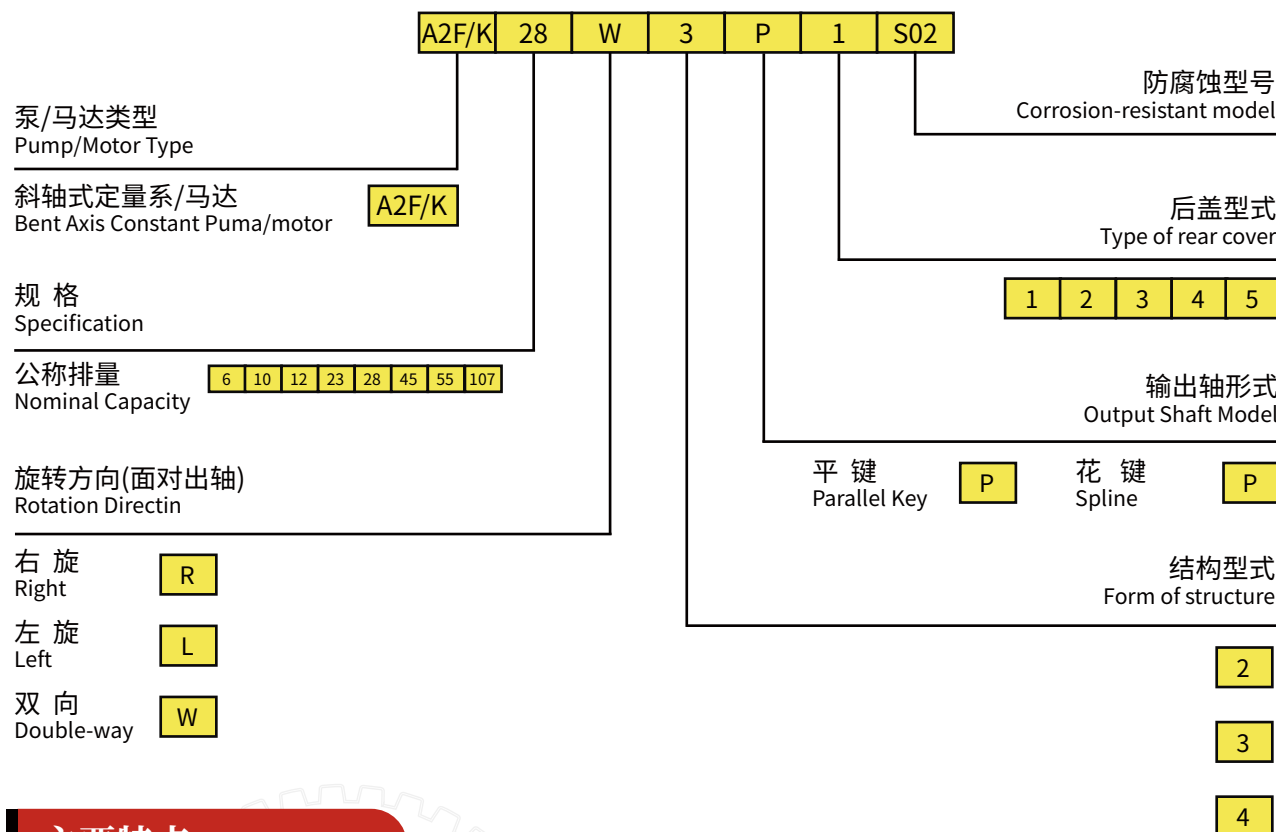
技术参数 Technical Data

规格 Specification		6	10	12	23	28	55	107
理论排量 cm^3/r Displacement		6.2	9.4	11.6	22.7	28.1	54.8	107
最高转速 r/min Maximum Rotational Speed	额定 n_N Rated	1450	1450	1450	1450	1450	1450	1450
压力 MPa Pressure	额定 P_N Rated	25	25	25	25	25	25	25
	最高 P_N Maximum							
输入功率 (kW) $n=1450\text{r/min}$ $P=P_N$ Input Power		5.5	5.5	5.5	11	11	22	43
质量 kg Mass		6.7	6.7	6.7	13.3	13.3	26	45

A2F/K 系列斜轴式轴向柱塞定量泵/马达

Axial Piston Fixed Pump/Motor- A2F/K

型号说明 Demonstration Of The Type



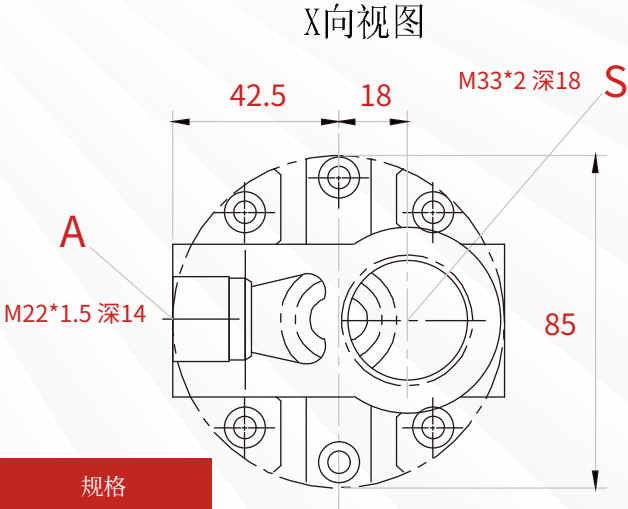
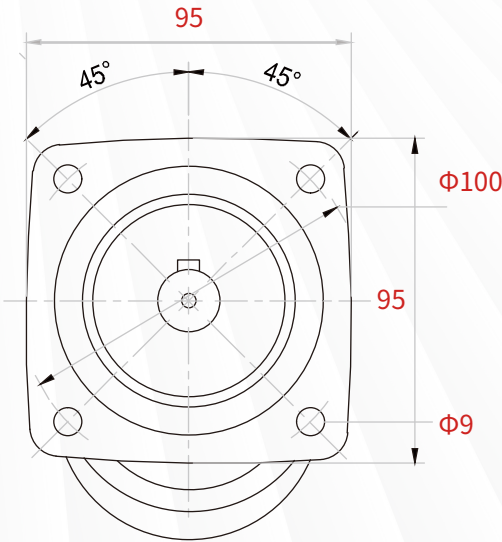
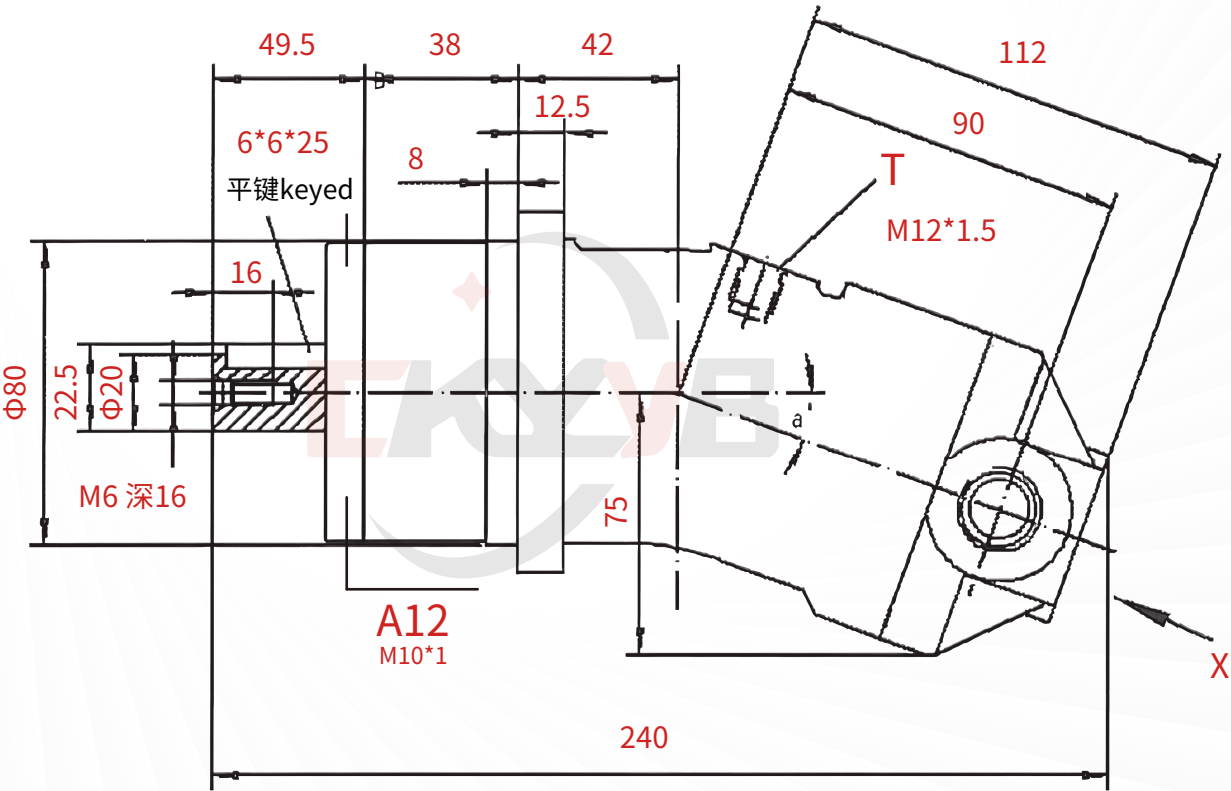
主要特点 Main features

1. 核心部件采用进口原材料, 寿命长, 稳定性高
2. 外形小巧, 结构紧凑
3. 工作压力可到25MPa
4. 进口压力低, 可泵送高粘度液体
5. 特殊化表面处理增加了防腐蚀保护
6. 流量脉动小, 容积效率高
7. 由特殊材料制成的双轴密封件和冲洗室, 易于损坏检查和环境保护

1. Key components are made of importedraw materials, ensuring long service lifeand high stability.
2. Compact and space-saving design.
3. Working pressure up to 25MPa.
4. Lowinlet pressure requirement, capable of pumping high-viscosityliquids.
5. Specializedsurface treatment enhances corrosionresistance.
6. Minimal flowpulsationand highvolumetric efficiency.
7. Dual-shaft seals and flushingchamber made of special materials, facilitatindamage inspection and environmental protection.

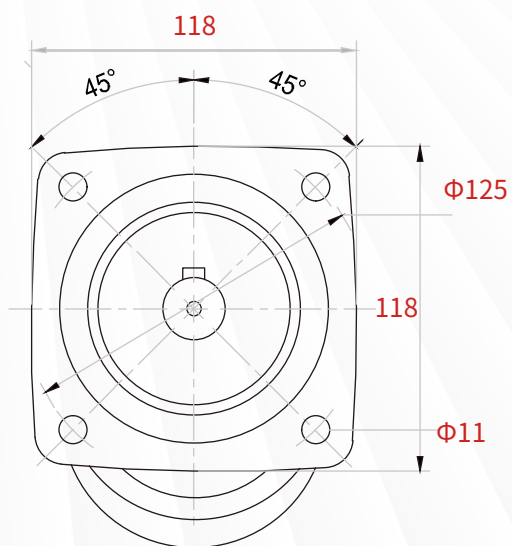
A2FK-6/10/12外形尺寸

Dimensions of A2FK-6/10/12

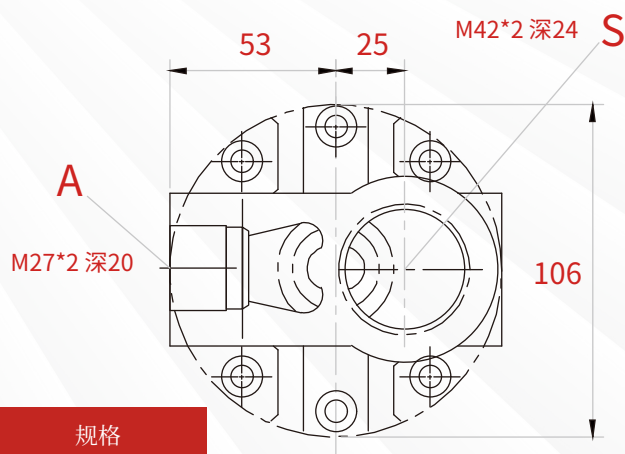


名称	油口用途	规格
A	工作管路（高压出口）	Working Line (High Pressure Outlet) M22*1.5
S	吸油（进料口）	Suction (Inlet) M33*2
T	壳体泄油	Case Drain M12*1.5
A12	稀释注口	Diluted Inject M10*1

Dimensions of A2FK-23/28

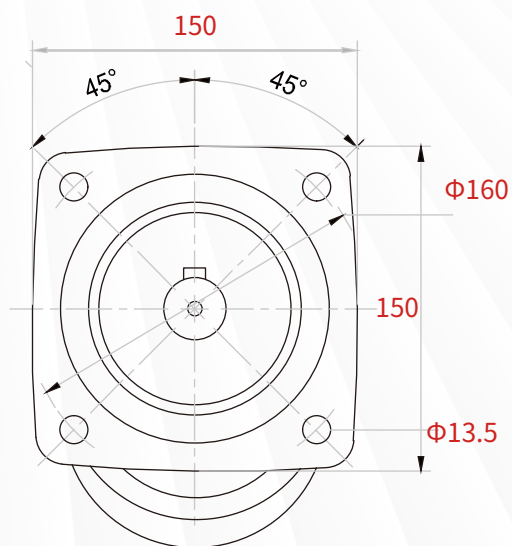


X向视图



名称	油口用途		规格
A	工作管路（高压出口）	Working Line (High Pressure Outlet)	M27*2
S	吸油（进料口）	Suction (Inlet)	M42*2
T	壳体泄油	Case Drain	M16*1.5
A12	稀释注口	Diluted Inject	M10*1

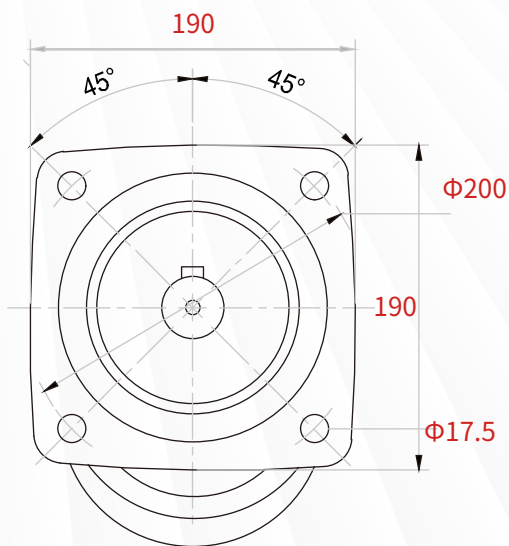
Dimensions of A2FK-55



Technical drawing of a circular flange with 8 mounting holes. Dimensions include a diameter of 132mm, a central hole diameter of 63mm, and a mounting hole diameter of 29mm. The flange has 4-M10 deep 17mm holes. A label 'A' points to the flange, and a label 'S' points to the mounting holes.

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Dimensions of A2FK-107



Technical drawing of a circular flange with the following dimensions and labels:

- Top horizontal dimensions: 80 and 35.5
- Top right label: 法兰4-M12 深17S (60*60)
- Left side label: A
- Bottom left label: 法兰4-M12 深19 (57*27.8)
- Right side vertical dimension: 169
- Bottom left red box: 规格

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A7VK 系列斜轴式轴向柱塞变量泵

Axial piston variable pump- A7VK

A7VK 系列斜轴式轴向柱塞变量泵采用紧凑设计, 体积小、噪音小、计量准, 安装法兰、传动轴和功能与A2VK相同, 易于替换。适用于粒度较高的介质(如油脂类和聚氨酯介质)。

通过特殊的表面处理提高防腐蚀效果。

利用精准显示和夹具进行手动调节。

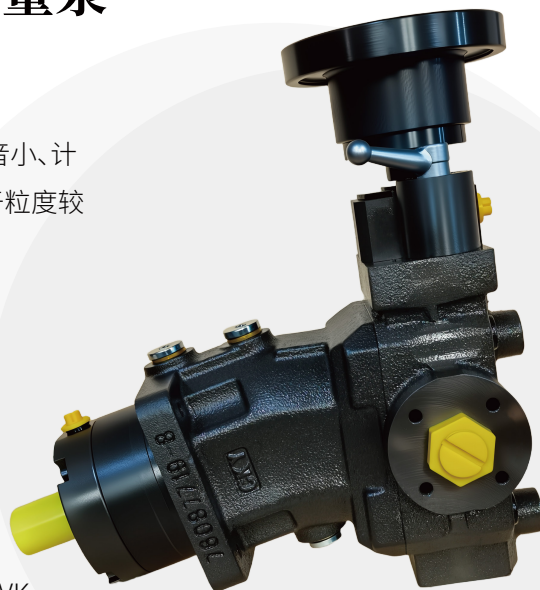
通过采用轴向锥形柱塞技术的耐用旋转组件提高容积效率。

The A7VK series bent-axis variable displacement pumps feature a compact design, offering small dimensions, low noise levels, and precise metering. Their mounting flange, drive shaft, and functionality are identical to the A2VK series, facilitating straightforward replacement. These pumps are suitable for high-viscosity media (such as grease-like substances and polyurethane media).

Enhanced corrosion resistance is achieved through specialized surface treatments.

Manual adjustment is performed using a precision display and clamping fixture.

Volumetric efficiency is increased by a durable rotating group utilizing axial tapered-piston technology.



技术参数 Technical Parameters

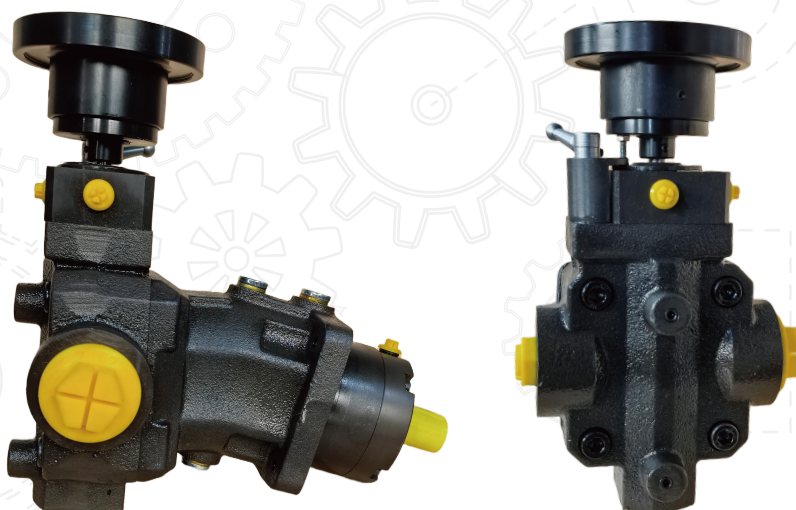
规格 Specification		A7VK-12	A7VK-28
理论排量 cm ³ /r Displacement		11.6	28.1
转速 r/min Rotational Speed	额定 n _N Rated	1450	1450
	最高 n _N Maximum	—	—
压力 MPa Pressure	额定 P _N Rated	25	25
	最高 P _N Maximum	31.5	31.5
输入功率 (kW) n=1450r/min P=P _N Input Power		5.5	11
质量 kg Mass	(手动控制) (Manual Control)	11.8	22.2

A7VK 系列斜轴式轴向柱塞变量泵

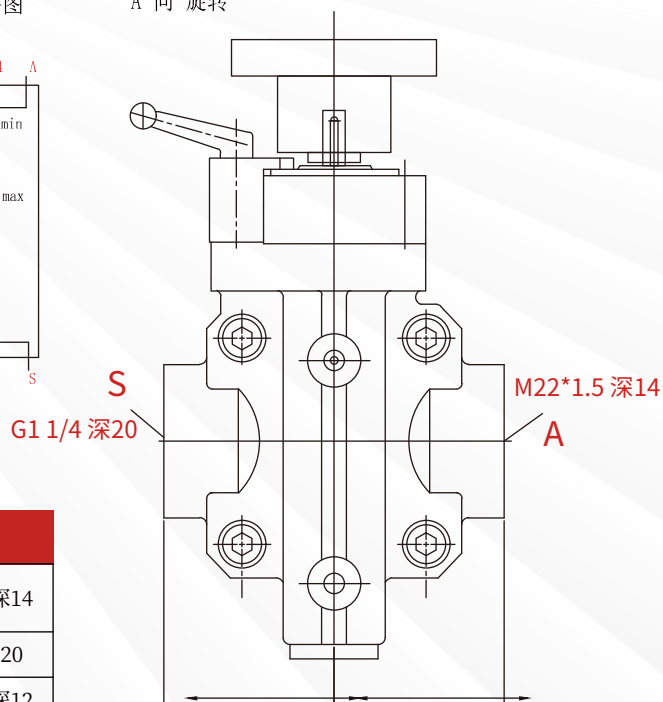
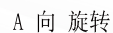
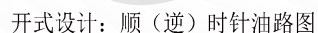
Axial piston variable pump- A7VK

型号说明 Demonstration Of The Type

A7V		K	12	MA	H	R	P	F	0	0	S02
泵类型 Pump Type										防腐型号 Corrosion-resistant model	
斜轴式变量泵 Bent Axis Variable Pump										标准版本 Standard Version	
介 质 Hydraulic Fluids										溢流阀不带标准 Overilcvc valve without standard	
较高粘度介质 High Viscosit Fluids											
规 格 Specification											
公称排量 Nominal Capacity		12	28							氟 橡 胶 Fluororubber	
控制方式 Control Mode										输出轴形式 Output Shaft Model	
手动控制 Manual Operated		MA								平 键 Parallel Key	
进油方式 Oil Feed Mode										旋转方向 Rotation Direction	
后盖内进油 Oil inside the rear lid		H								输出轴形式 Clockwvisa	
(自 吸) (Self-suck)											

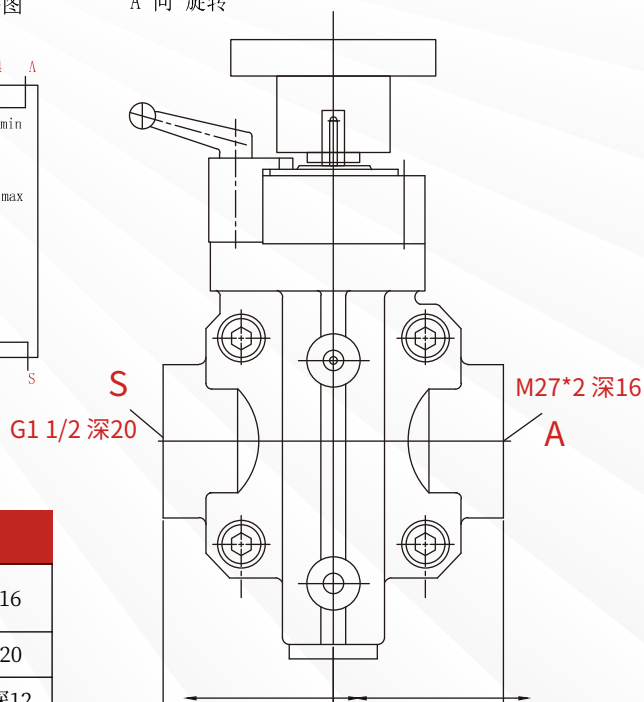
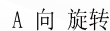
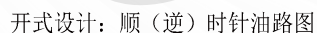


Dimensions of A7VK-12



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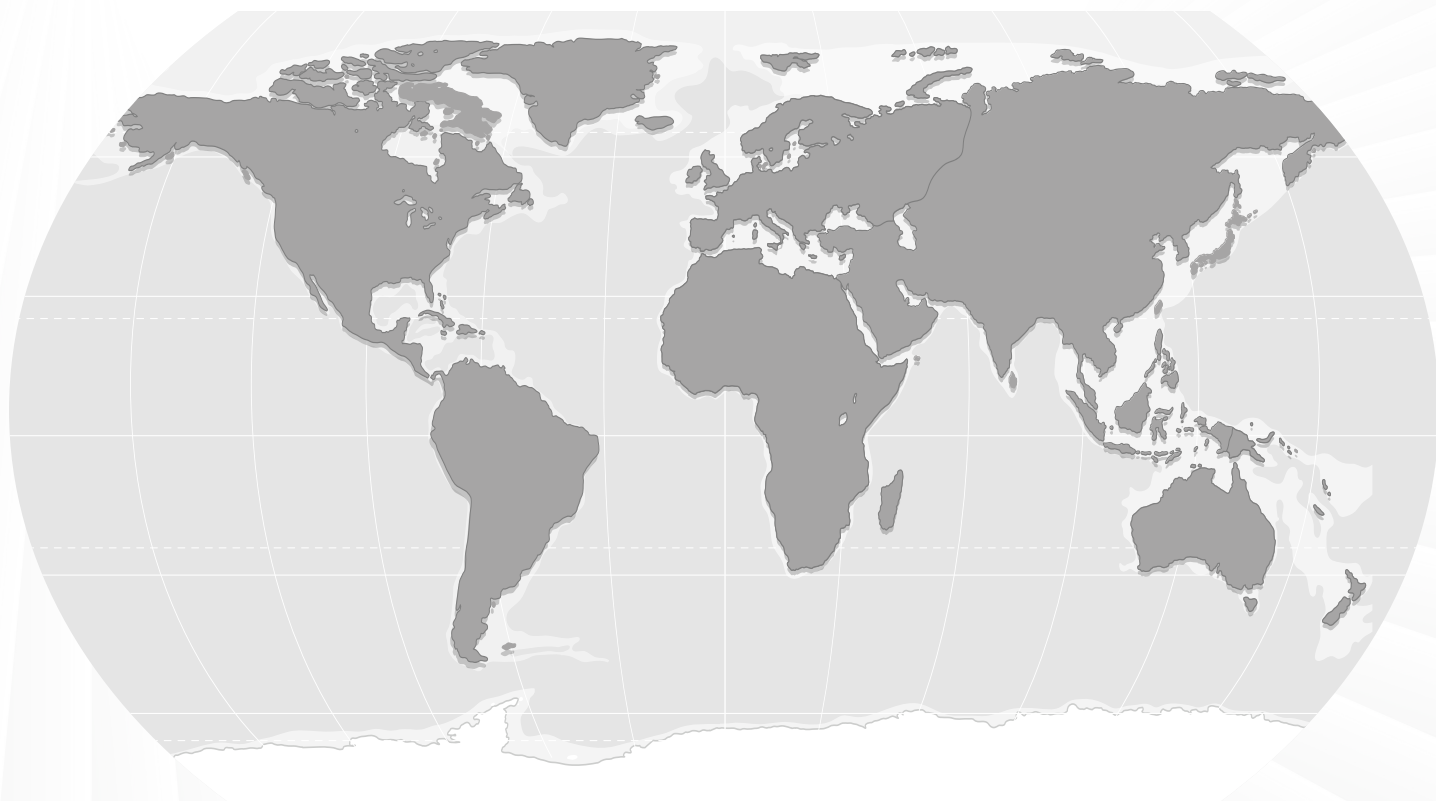
Dimensions of A7VK-28



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热忱欢迎国内外新老用户来函来人洽谈

We warmly welcome new and old customers from home and abroad
to contact us for negotiations



地址:上海市奉贤区四团镇彭平公路697号

Add: 697 Pengping Road, Situan Town, Fengxian District, Shanghai

邮编Post Code: 201413 电话Tell: +86-21-58076009

销售Sale: +86-21-58076505 传真Fax: +86-21-58076077

手机M/P: 13801772641 13391133025 国内邮箱: liuaibiao@163.com (Domestic sales)

外贸电话: 13641697252 外贸邮箱: mysunlyq@hotmail.com (International sales)

网址web: www.chike-pump.com www.pn-yyb.com