

# A10V系列柱塞泵

## A10V Series Piston Pump



### ■ 型号说明 Model Code



A10V(S) O 28 DR / 31 R - P S C 62 N00

泵型号：变量泵；斜盘式结构

Model Variable pump,Swashplate design

额定压力 280bar

Rated pressure 280bar

峰值压力 350bar

Peak pressure 350bar

运行模式：泵，开式回路

Mode of operation: Pump,Circuit

规格排量：18、28、45、71、100、140(ml/r)

Displacement 18.28.45.71.100.140(ml/r)

控制方式：

Controller 18 28 45 71 100 140

	18	28	45	71	100	140
DG-- 两位控制 Two point,direct control						
DR-- 恒压控制 Pressure control	✓	✓	✓	✓	✓	✓
DRG-- 远程恒压控制 Remote pressure control	✓	✓	✓	✓	✓	✓
DFR-- 压力 / 流量控制 Pressure and flow control	✓	✓	✓	✓	✓	✓
DFR1-- 压力 / 流量控制, X 口关闭 Pressure and flow control Orifice in X-channel closed	✓	✓	✓	✓	✓	✓
DFLR-- 压力 / 流量 / 功率控制 Pressure,flow,torque control		✓	✓	✓	✓	✓

产品系列：31 系列；

Series 31 Series

转向（从轴端看）：R-- 顺时针 Clockwise

Direction of Rotation L-- 逆时针 Anti-clockwise

密封件：P-- 丁腈橡胶 Perbunan

Seals V 氟橡胶 Viton

油口型式：

Port for service lines 18 28 45 71 100 140

	18	28	45	71	100	140
11-- 后面 SAE, 公制螺纹 SAE flange rear, fixing thread metric		✓	✓	✓	✓	
61SAE,UNC SAE flange rear, fixing thread UNC		✓	✓	✓	✓	
12-- 两侧 SAE, 公制螺纹 SAE flange on opposite side,fixing thread metric	✓	✓	✓	✓	✓	✓
62SAEUNC SAE flange on opposite side,fixing thread UNC	✓	✓	✓	✓	✓	✓
41(91)-- 后面 SAE, 公制 (UNC) 螺纹 SAE flange rear, fixing thread metric(UNC)				✓		
42(92)-- 两侧 SAE, 公制 (UNC) 螺纹 SAE flange on opposite side,fixing thread metric(UNC)				✓		

安装法兰：

Mounting flange 18 28 45 71 100 140

	18	28	45	71	100	140
A--ISO 两孔 ISO 2-hole	✓	✓	✓	✓	✓	
C--SAE 两孔 SAE 2-hole	✓	✓	✓	✓	✓	
B--ISO 四孔 ISO 4-hole						✓
D--SAE 四孔 SAE 4-hole						✓

轴端型式：

Shaft end 18 28 45 71 100 140

	18	28	45	71	100	140
P-- 公制平键 Metric parallel with key	✓	✓	✓	✓	✓	✓
S--SAE 花键 SAE splined	✓	✓	✓	✓	✓	✓
R--SAE 花键 (较高通轴驱动扭矩) SAE splined (higher through drive torque)	✓	✓	✓	✓		
K--SAE 平键 SAE parallel with key	✓	✓	✓	✓	✓	✓
U--SAE 小花键 SAE splined,reduced dia. not for through drive	✓		✓		✓	
W--SAE 小花键 (较高不通轴驱动扭矩) Similar to shaft "U", higher input torque, not for through drive			✓		✓	



### ■ 型号说明 Model Code

A10VS 0 71 DR / 32 R - V P B 22U 99

泵型号: 变量泵;斜盘式结构

Model Variable pump, Swashplate design

额定压力280bar

Rated pressure 280bar

峰值压力350bar

Peak pressure 350bar

运行模式: 泵, 开式回路

Mode of operation Pump, open circuit

规格排量: 45、71、100、140、180(ml/r)

Displacement 45、71、100、140、180(ml/r)

控制方式:

Controller	45	71	100	140	180
DG--两位控制 Two point, direct control					
DR--恒压控制 Pressure control	√	√	√	√	
DRG--远程恒压控制 Remote pressure control	√	√	√	√	
DRF (DFR)--压力/流量控制, X-T开启 Pressure and flow control X-T open	√	√	√	√	
DRS (DFR1)--压力/流量控制, X-T关闭 Pressure and flow control X-T closed	√	√	√	√	
LAXD(G)--压力/功率控制 Power control with pressure cut off					
X 控制初始值 Beginning of power control					
LA5D below 50bar	√	√	√	√	
LA6D from 51 to 90 bar					
LA7D from 91 to 160 bar					
LA8D from 160 to 240 bar					
LA9D over 240 bar					
LAXDS--压力/流量/功率控制 Pressure, flow, power control	√	√	√	√	
LAXS--流量/功率控制 Power and flow control	√	√	√	√	

通轴型式:

With through drive to accept an axial piston pump or a gear pump

	45	71	100	140	180	
不通轴 Without through drive	√	√	√	√		00
不能直接传动, 带通轴传动轴, 不带联接套, 不带适配器法兰, 带正确闭合的护盖 Without through drive, with shaft for through drive, without shaft coupler, without adapter flange, closed with cover		√	√	√		99

安装法兰 Mounting flange	轴/轴套 Shaft/coupling	用于安装 For the mounting of	45	71	100	140	180	
ISO 80, 2 hole	3/4 in 11T 16/32DP	10, 18 series 52/31 (shaft S or R)	√	√	√	√		B2
ISO 100, 2 hole	7/8 in 13T 16/32DP	28 series 31 (shaft S or R)	√	√	√	√		B3
	1 in 15T 16/32DP	45 series 31 (shaft S or R)	√	√	√	√		B4
ISO 125, 4 hole	1 in 15T 16/32DP	45 series 32 (shaft S or R)	√	√	√	√		E1
ISO 160, 4 hole	1 1/4 in 14T 12/24DP	71 series 32 (shaft S or R)		√	√	√		B8
ISO 180, 4 hole	1 1/2 in 17T 12/24DP	100 series 32 (shaft S)			√	√		B9
	1 3/4 in 13T 8/16DP	140 series 32 (shaft S)				√		B7
SAE 82-2, 2 hole	5/8 in 9T 16/32DP	External gear pump F(5 to 22)	√	√	√	√		01
	3/4 in 11T 16/32DP	10, 18 series 52/31 (shaft S)	√	√	√	√		52
SAE 101-2, 2 hole	7/8 in 13T 16/32DP	28 series 31 (shaft S or R)	√	√	√	√		68
	1 in 15T 16/32DP	45 series 31 (shaft S or R)	√	√	√	√		04
SAE 127-4, 4 hole	1 in 15T 16/32DP	45 series 32 (shaft S or R)	√	√	√	√		E2
	1 1/4 in 14T 12/24DP	71 series 32 (shaft S or R)		√	√	√		15
SAE 127-2, 2 hole	1 1/2 in 17T 12/24DP	100 series 31 (shaft S)			√	√		24
SAE 152-4, 4 hole	1 1/2 in 17T 12/24DP	100 series 32 (shaft S)			√	√		96
	1 3/4 in 13T 8/16DP	140 series 32 (shaft S)				√		17

油口型式:

Port for service lines	45	71	100	140	180
12N--两侧SAE, 公制螺纹, 无通轴驱动 SAE flange on opposite side, fixing thread metric, without through drive	√	√	√	√	
22U--类似12N, 但带普通的通轴驱动 like 12N however with universal through drive	√	√	√	√	
62N--两侧SAE, UNC螺纹, 无通轴驱动 SAE flange on opposite side, fixing thread UNC, without through drive	√	√	√	√	
72U--两侧SAE, UNC螺纹 like 62N however with universal through drive	√	√	√	√	

安装法兰:

Mounting flange	45	71	100	140	180
B--ISO 3019-2, 四螺栓 ISO 3019-2 - 4-bolt	√	√	√	√	
D--ISO 3019-1, 四螺栓 ISO 3019-1 - 4-bolt	√	√	√	√	

轴端型式:

Shaft end	45	71	100	140	180
P--公制平键 Metric parallel with key	√	√	√	√	
S--SAE花键 SAE splined	√	√	√	√	
R--SAE花键(较高通轴驱动扭矩) SAE splined (higher through drive torque)	√	√			
K--SAE平键 SAE parallel with key	√	√	√	√	

密封件:

Seals V--FKM (氟橡胶) flour-rubber

转向(从轴端看): R--顺时针 clockwise

Direction of Rotation L--逆时针 anti-clockwise

产品系列: 32系列  
Series 32 Series