

◆ Model number

SRP300 **A** **18** **A** **2** **H** **1** - **L** **XXX**

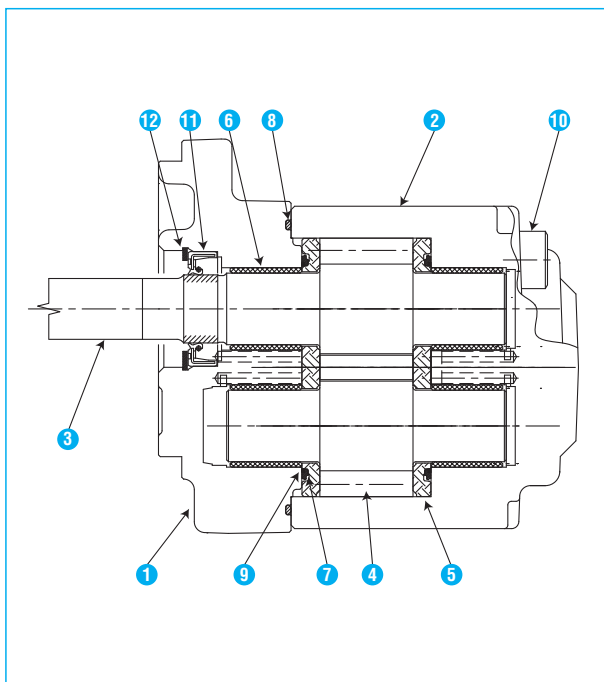
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- | | | | |
|---|--|---|---|
| <p>① Series number
SRP300 series</p> <p>② Mounting spigot diameter
- : $\phi 82_{-0.036}^{0.036}$
A : $\phi 82.55_{-0.05}^{0.05}$</p> <p>③ Size</p> | <p>④ Position of ports
A : side ports</p> <p>⑤ Port configuration
1 : flange port
2 : G screw thread</p> | <p>⑥ Mounting
H : horizontal 2 bolts</p> <p>⑦ Shaft end
1 : SAE Spline 10 teeth</p> | <p>⑧ Rotation viewing from shaft end
L = counterclockwise
R = clockwise</p> <p>⑨ Code number
Code number in 3 figures</p> |
|---|--|---|---|

◆ Specifications

Size	Displacement		Rated pressure			Intermittent pressure			Max. peak pressure			Speed min ⁻¹		Inlet pressure	Mass	
	cm ³	in ³	MPa	bar	psi	MPa	bar	psi	MPa	bar	psi	MIN.	MAX.		kg	lb
8	8.3	0.51	25.0	250	3630	28.0	280	4060	30.0	300	4350	500	3500	bar -0.20~ 1.0 MPa -0.02~ 0.1 psi -2.9 ~14.5	4.2	9.24
10.5	10.7	0.65														
12	12.6	0.77														
14	14.5	0.89														
16	16.4	1.00														
18	18.4	1.12														
19	19.9	1.21														

◆ Typical assembly



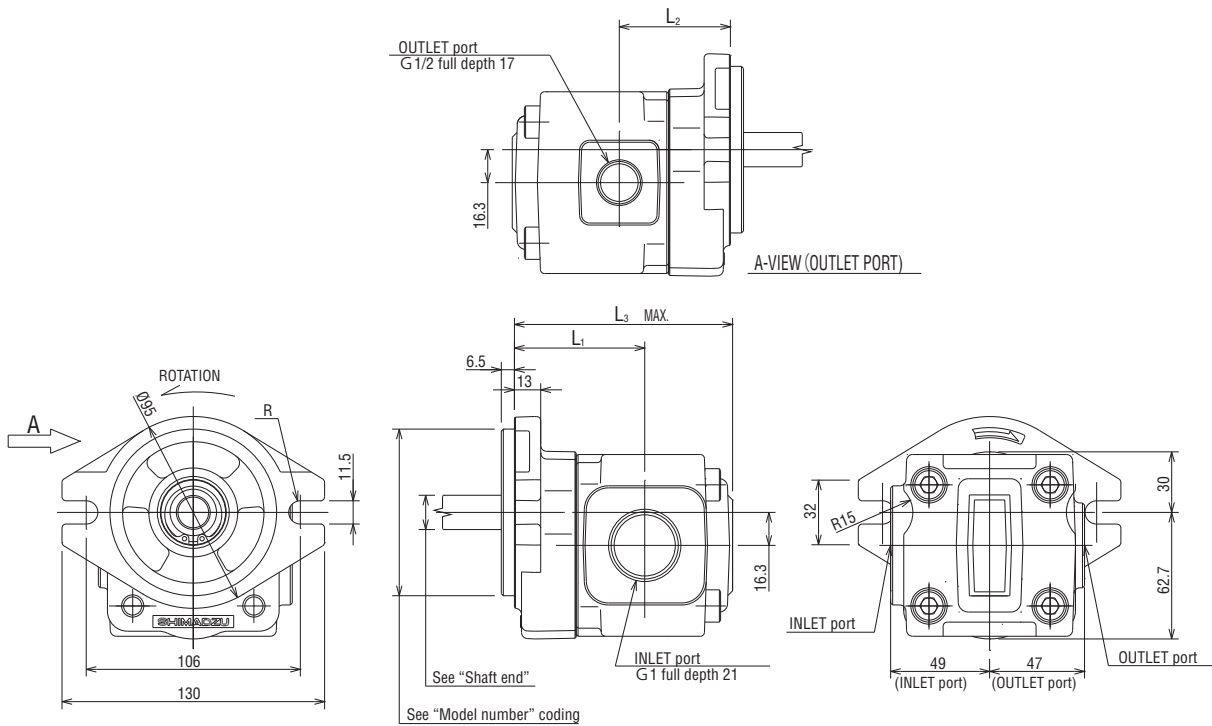
Item No.	Name	QTY	Material
①	Front cover	1	Aluminum alloy
②	Body	1	Cast iron
③	Drive gear	1	Alloy steel
④	Driven gear	1	Alloy steel
⑤	Side plate	2	Special alloy steel
⑥	Bush	4	Special alloy steel
⑦	Gasket	2	Nitrile rubber
⑧	O-ring	1	Nitrile rubber
⑨	Back up	2	Synthetic resin
⑩	Bolt	4	Alloy steel
⑪	Oil seal	1	Nitrile rubber
⑫	Retainer ring	1	Carbon steel

NOTES : "QTY" shows the amount per one

◆ Outline dimensions

dimensions in mm

SRP300_A□□A2H1-LXXX (Side ports)



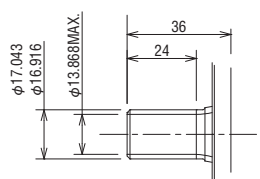
- NOTE 1. Figure shown indicated counterclockwise rotation "L" viewing from shaft end. Clockwise rotation "R" is mirror image of this.
2. Unless otherwise specified, tolerance on dimension are ± 1.0 mm.

Size	L ₁	L ₂	L ₃
8	64.5	55	108
10.5			
12			
14			
16			
18			
19			

● Shaft end

SAE Spline (Some dimensions are different form SAE standard.)

SAE Spline 10 teeth



No. of teeth : 10
 D.P. : 16/32
 Pressure angle : 30°
 Over pin dia. : 20.263~
 20.193
 Pin dia. : φ3.048