



## ◆ Model number

**SGP400** **B** **30** **A** **1** **H** **1** - **L** **XXX**

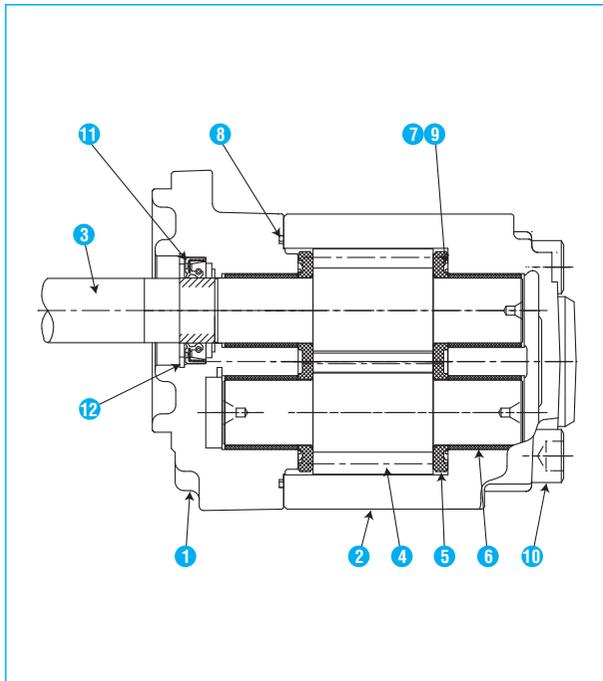
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- |  |   |   |  |
|--|---|---|--|
| <p><b>1</b> Series number<br/>SGP400 series</p> <p><b>2</b> Mounting spigot diameter<br/>- : <math>\phi 82_{-0.036}^{-0.036}</math> Z : <math>\phi 102_{-0.036}^{-0.036}</math><br/>A : <math>\phi 82.55_{-0.05}^{-0.05}</math> B : <math>\phi 101.6_{-0.05}^{-0.05}</math></p> <p><b>3</b> Size</p> | <p><b>4</b> Position of ports<br/>A : side ports<br/>D : rear ports</p> <p><b>5</b> Port configuration<br/>1 : flange port<br/>2 : G screw thread</p> | <p><b>6</b> Mounting<br/>H : horizontal 2 bolts</p> <p><b>7</b> Shaft end<br/>1 : SAE Spline 13 teeth</p> | <p><b>8</b> Rotation viewing from shaft end<br/>L = counter clockwise<br/>R = clockwise</p> <p><b>9</b> Code number in 3 figures</p> |
|--|---|---|--|

## ◆ Specifications

Size	Displacement		Rated pressure			Max. peak pressure			Speed min <sup>-1</sup>		Inlet pressure	Mass							
	cm <sup>3</sup>	in <sup>3</sup>	MPa	bar	psi	MPa	bar	psi	min.	max.		kg	lb						
SGP400-16	16.0	0.976	25.0	250	3625	30.0	300	4350	500	3500	bar -0.20~ 2.0	3.3	7.26						
-26	26.3	1.604								3400		5.8	12.76						
-27	27.5	1.678								3300		5.9	12.98						
-30	29.5	1.800								24.5	245	3553	29.4	294	4263	3200	MPa -0.02~ 0.2	6.0	13.20
-32	32.8	2.001								22.0	220	3190	26.4	264	3828	3100	psi -2.9 ~29	6.2	13.64
-34	33.6	2.050								21.5	215	3118	25.8	258	3741			6.3	13.86

## ◆ Typical assembly



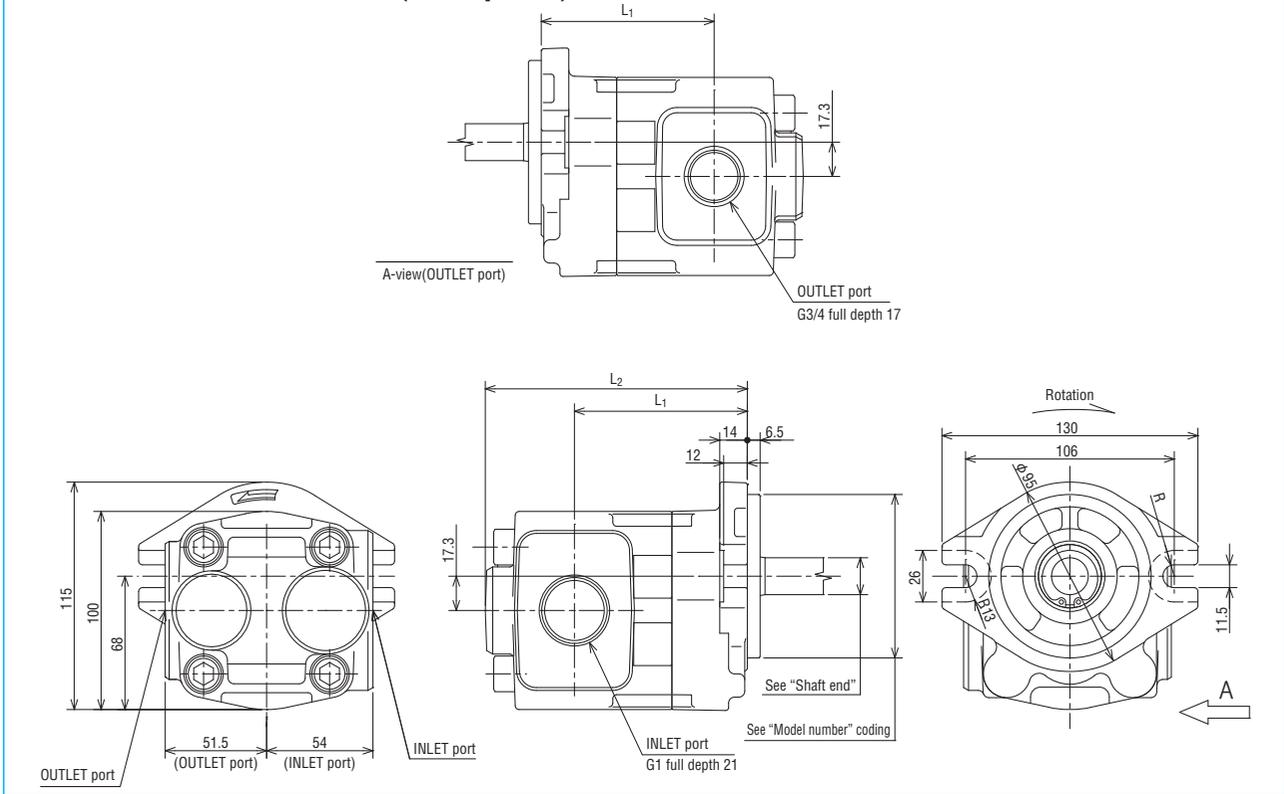
Item No.	Name	QTY	Material
<b>1</b>	Front cover	1	Aluminum alloy
<b>2</b>	Body	1	Cast iron
<b>3</b>	Drive gear	1	Alloy steel
<b>4</b>	Driven gear	1	Alloy steel
<b>5</b>	Side plate	2	Special alloy steel
<b>6</b>	Bush	4	Special alloy steel
<b>7</b>	Gasket	2	Nitril rubber
<b>8</b>	O-ring	1	Nitril rubber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

NOTES : "QTY" shows the amount per one

## ◆ Outline dimensions

dimensions in mm

### SGP400-□A2H□-RXXX (Side ports)



NOTE 1. Figure shown indicated clockwise rotation "R" viewing from shaft end.

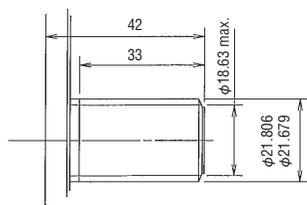
2. Unless otherwise specified, tolerance on dimension are  $\pm 1.0$  mm.

Size	$L_1$	$L_2$
SGP400-16	71.3	118
-26	83.8	131
-27	85.3	132
-30	87.8	135
-32	91.8	139
-34	92.8	140

## ● Shaft end

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

SAE Spline 13 teeth



No. of tooth : 13  
 D.P. : 16/32  
 Pressure angle : 30°  
 Over pin dia. :  $\phi 24.891 \sim \phi 24.819$   
 Pin dia. :  $\phi 3.048$