

SV Axial Piston Pump



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A

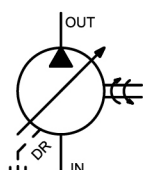
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SV Axial Piston Pump



- 1.SV Series combining special designs and strict engineering disciplines, reducing noise level.
- 2.Depending on variety applications, achieve saving power & cost.
3. Low power capacity,low temperature level,long life
4. Application for machine tool,injection machine,forgin, paint spray machine, and so on...

* For max speed application, power unit must be equipped higher than piston pump. Inlet pipe size has to upgrade bigger size.



nominal pressure:175 bar
max. pressure:250 bar
max.speed:3000 rpm

Specifications

Size	Model	Displacement at (7 bar) 100 PSI						Pressure Adj. kgf/cm ²	Speed			Weight KG (LB)
		cm ³ /rev	in ³ /rev	1500 RPM LPM U.S. GPM	1800 RPM LPM U.S. GPM				Max. RPM	Nomimal RPM.	Min. RPM	
1	SV8	8.0	0.48	12.0 3.17	14.4 3.8	1: 8~70 2: 15~140 3: 20~210 4: 20~250		3000	2700		500	13 (28.6)
	SV10	10.0	0.61	15.0 3.90	18.0 4.76							13 (28.6)
	SV12	12.0	0.73	18.0 4.76	21.6 5.73							13 (28.6)
	SV15	15.0	0.90	22.5 5.78	27.0 7.05							13 (28.6)
	SV18	17.8	1.09	26.7 7.05	32.0 8.45							13 (28.6)
2	SV23	23.0	1.40	35.4 9.11	41.4 10.94			2700	2500		500	22 (48.4)
3	SV38	37.8	2.31	56.7 14.98	68.0 17.96							26 (57.2)
4	SV70	69.7	4.25	104.5 27.6	125.4 33.10							56 (123.2)

- 1.Install outlet on top,the pipe pressure needs less than 2bar.
- 2.Using at max.pressure,please undre 6 sec for per-cycle time.
- 3.Hydraulic oil clean,please following YEOSHE instruction maunal.
- 4.YEOSHE supply combinable pumps with different series,standard with Metric / SAE size.

Type code for standard program

A

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SV Axial Piston Pump

SV	15	A	3	R								-	
1	2	3	4	5	6	7	8	9	10	11	12		13
Series	Size and Displacement	Compensator	Pressure adjusting	Rotation	Direction of pipe	Shaft type	Voltage	Threads	Thru drive & 2nd pump	Special spec.	Seals		Design No.

Series

1	Axial piston pump variable PV displacement high pressure version	nominal pressure : 175 bar Max.pressure: 250 bar	SV
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Size and Displacement

2	Code	8	10	12	15	18	23	38	70
	Size	1					2	3	4
	Displacement cm ³ /rev	8	10	12	15	18	23.0	37.8	69.7
	in ³ /rev	0.48	0.61	0.73	0.90	1.1	1.40	2.31	4.25

Compensator

3	Standard pressure compensator	A
	Remote pressure compensator	G
	Pressure	
	Load-sensing compensator	HL ☐
	A Low : 7KG	
	B Mid : 14KG	
	C High : 21KG	

Pressure adjusting

4	0.8~6.9 Mpa (8~70 bar)	1
	1.5~13.7 Mpa (15~140 bar)	2
	2.0~20.6 Mpa (20~210 bar)	3
	2.0~24.5 Mpa (20~250 bar)	4

Rotation

5	 Clockwise	R
	 Counter clockwise	L

Deriction of pipe

6	Side port	A
	Rear port	B
	Side port+Rear port	B2

Shaft type

7	Displacement	Code
	SV8,10,12,15,18 23,38,70	Key:K
	SV8,10,12,15,18	Splind shaft : ☐ S 13T 16/32 DP ☐ S1 9T 16/32 DP ☐ S2 11T 16/32 DP
	SV23	Splind shaft : ☐ S 13T 16/32 DP ☐ S1 15T 16/32 DP ☐ S3 13T 16/32 DP longer
	SV38	Splind shaft : ☐ S 13T 16/32 DP ☐ S1 15T 16/32 DP ☐ S3 13T 16/32 DP longer
	SV70	Splind shaft : ☐ S 14T 12/24 DP ☐ S1 17T 12/24 DP

■ = available - = on request ※ = standard type △ = custom made



Type code for standard program

A

3

SV Axial Piston Pump

SV	15	A	3	R									
1	2	3	4	5	6	7	8	9	10	11	12	13	
Series	Size and Displacement	Compensator	Pressure adjusting	Rotation	Direction of pipe	Shaft type	Voltage	Threads	Thru drive & 2nd pump	Special spec.	Seals	Design No.	

Voltage

8	None	0
	AC100V (50/60HZ)	A
	AC110V (60HZ)	B
	AC200V (50/60HZ)	C
	AC220V (60HZ)	D
	DC 12V	E
	DC 24V	F

Threads

9	PT (RC)	10
	BSPP (G)	40
	UNF (SAE O-ring)	60

Thre drive & 2nd pump

10	without thru drive	N
	Ø 50.8 mm SAE AA	C
	Ø 82.55 mm SAE A	D
	Ø101.6 mm SAE B	E
	Ø 127 mm SAE C	F
	Ø 63 mm	I
	Ø 80 mm	J
	Ø 100 mm	K
	Ø 125 mm	L

(Plesae contact YEOSHE,if other size required.)

Special specification

11	Standard type	X
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Seals

12	NBR	N
	VITON	V

※

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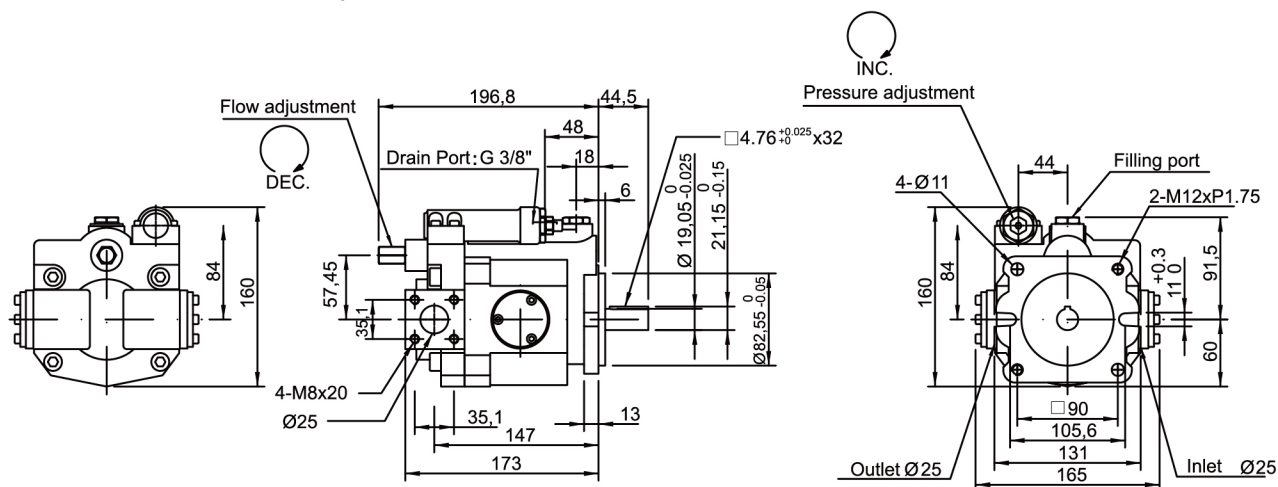
Dimension

A

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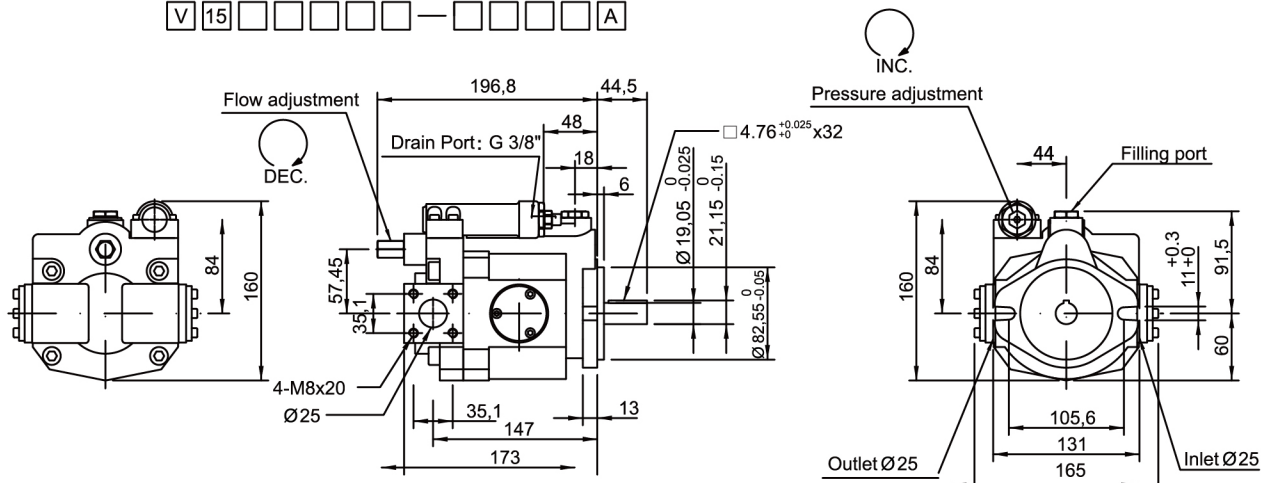
SV Axial Piston Pump

SV15A, SV18A Standard pressure control

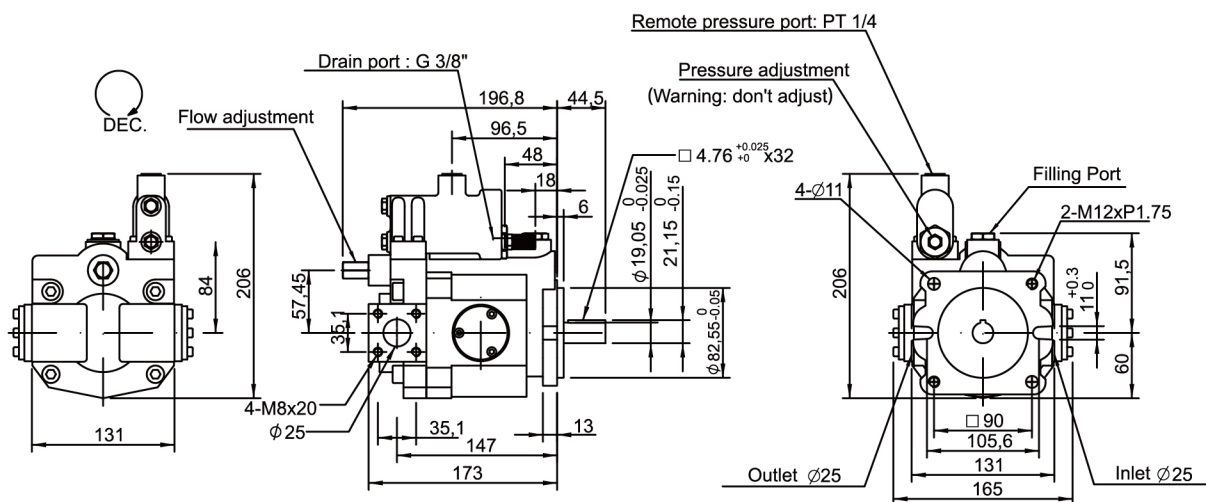


SV15A, SV18A Standard pressure control (SAE A 2 bolt) Please following order code no.12

V 15 — A



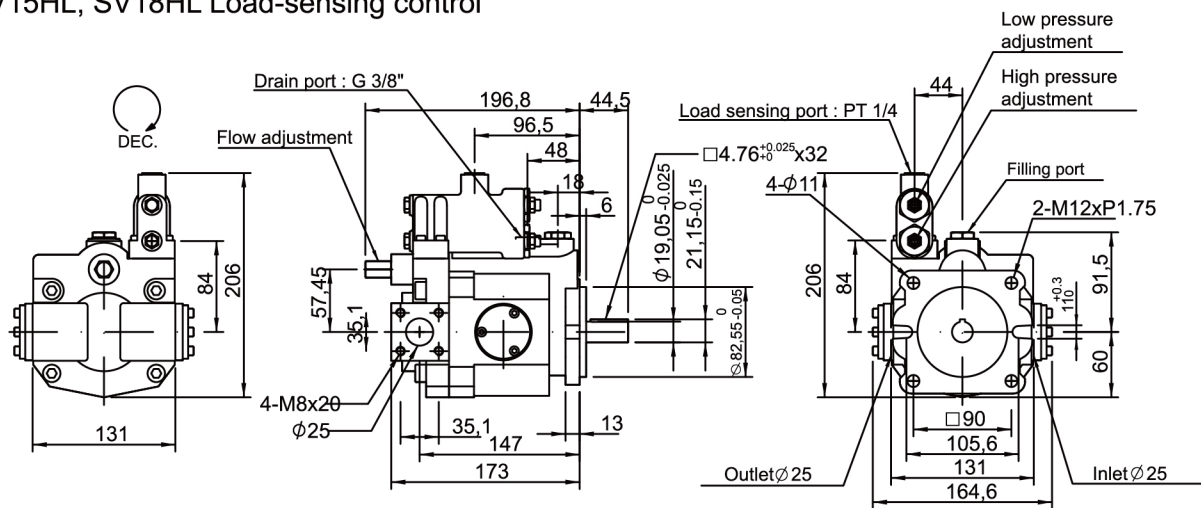
SV15G, SV18G Remote pressure control





Dimension

SV15HL, SV18HL Load-sensing control



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