

Standard type

Code	External view	Characteristics curves	Hydraulic circuit	Description
A	<p>Flow adj. screw Pressure adj. screw</p>	<p>↑ Q P →</p>	<p>Outlet T M O S. Dr.</p>	<p>Pressure compensating type(Manual)</p> <ul style="list-style-type: none"> When the pressure reaches the set value with the compensator, the flow reduces to the minimum automatically while the pump maintains the set pressure. The pressure and flow are controlled manually.

Option Type

B	<p>Flow adj. screw Remote pressure control port</p>	<p>↑ Q P → Set pressure</p>	<p>V. Outlet T M O S. Dr.</p>	<p>Remote pressure control type</p> <ul style="list-style-type: none"> The pressure can be controlled by using the remote relief valve or the multisage pressure control valve. The discharge pressure can be adjusted by using the remote relief valve.
BH	<p>Pressure adj. screw Remote pressure control port Flow adj. screw</p>	<p>↑ Q P → Set pressure</p>	<p>V. Outlet T M O S. Dr.</p>	<p>Remote pressure control & manual pressure type</p> <ul style="list-style-type: none"> The pressure can be controlled by using the remote relief valve or the multisage pressure control valve. The pump combines remote relief valve and pressure compensator which can adjust set pressure manually.
D	<p>Pressure adj. screw (SOL"OFF") Flow adj. screw</p>	<p>↑ Q P → Set pressure</p>	<p>Outlet T M O S. Dr.</p>	<p>Solenoid cut-off control type</p> <ul style="list-style-type: none"> The pump can be switched to unloading type and pressure control type by using the solenoid valve. If the system has longer standby time, using this type of pump can minimize the consumption of energy.
E	<p>Pressure adj. screw (SOL"OFF") Pressure adj. screw (SOL"ON") Flow adj. screw</p>	<p>↑ Q P →</p>	<p>Outlet T M O S. Dr.</p>	<p>Solenoid two pressure control type</p> <ul style="list-style-type: none"> The pump can be switched to high pressure type and low pressure type by using the solenoid valve. This type of control is suitable for an application where the output power of the actuator has to be controlled in two different load pressures.
HL	<p>Remote pressure control port Pressure adj. screw Load control port Flow adj. screw</p>	<p>↑ Q P → Set pressure</p>	<p>Outlet V. L. T M O S. Dr.</p>	<p>Load sensing control type</p> <ul style="list-style-type: none"> This regulator, in addition to the pressure adjustment, allows the pump flow rate control, according to the Δp pressure drop measured on either side of a throttle valve installed on the user line. The connection pipe between the L port and the flow line downstream the valve must always be made. Set pressure can be adjusted manually.

Model

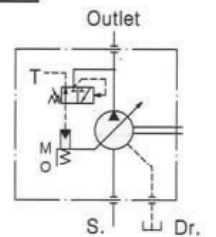
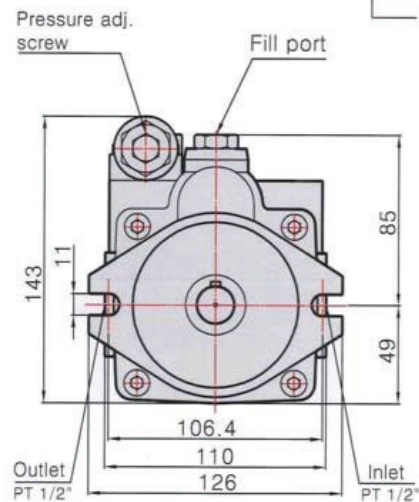
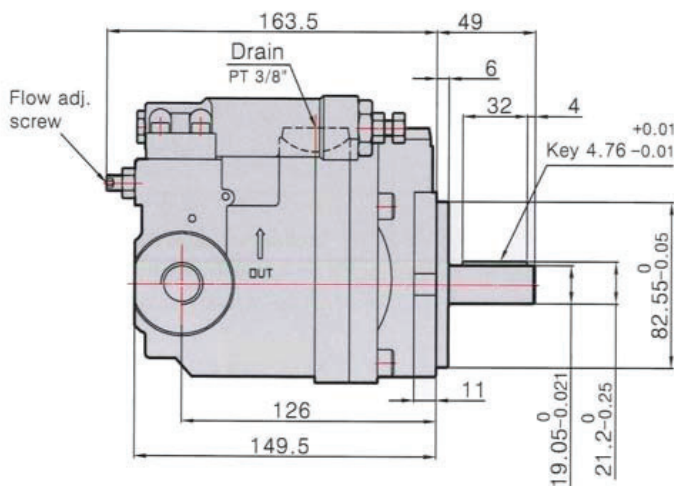
Model	volume cm ³ /rev	Delivery at no load ℓ/min				Max setting pressure	Drive speed min ⁻¹		Mass kg
		1000min ⁻¹	1200min ⁻¹	1500min ⁻¹	1800min ⁻¹		Min	Max	
PVS08-A*-F-R	8.0	8.0	9.6	12.0	14.4	255 bar	300	2000	9
PVS16-A*-F-R	16.5	16.5	19.8	24.7	29.7		300	2000	13
PVS22-A*-F-R	22.0	22.0	26.4	33.0	39.6		300	2000	13
PVS36-A*-F-R	36.0	36.0	43.2	54.0	64.8		300	2000	24
PVS46-A*-F-R	46.0	46.0	55.2	69.0	82.8		300	2000	24
PVS70-A*-F-R	70.0	70.0	84.0	105.0	126.0	286 bar	300	1800	43
PVS100-A*-F-R	100.0	100.0	120.0	150.0	180.0		300	1800	62

Pressure compensating type

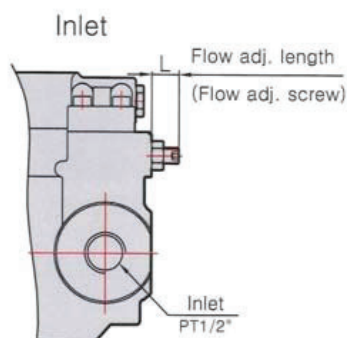
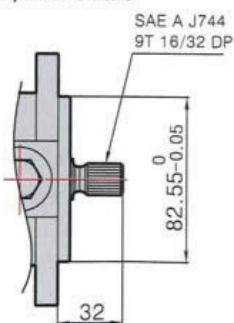
PVS08	-A3	-F	-R	(-S)
P Series piston pump (cm ³ /rev)	A* : Standard type pressure range	Mounting	Rotation	Shaft options
PVS08 (8.0)	A0 : 15~45 bar A1 : 20~75 bar A2 : 25~150 bar A3 : 30~255 bar	F : Flange mounting L : Foot mounting	R : CW (Standard) L : CCW (optin)	K : Straight Key (Code omitted) S : SAE Spline PVS08 - SAE-9T PVS16 PVS22 PVS36 - SAE-13T PVS46 PVS70 - SAE-14T PVS100 - SAE-17T
PVS16 (16.5)				
PVS22 (22.0)				
PVS36 (36.0)				
PVS46 (46.0)				
PVS70 (70.0)	A2 : 25~150 bar A3 : 30~255 bar	F : Flange mounting	R : CW (Standard)	
PVS100 (100.0)	A4 : 30~286 bar			

Pressure compensating type

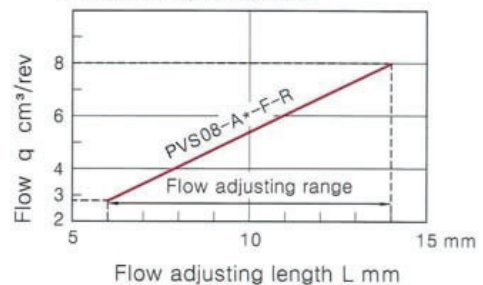
PVS08 -A*-F-R-type



Spline shaft

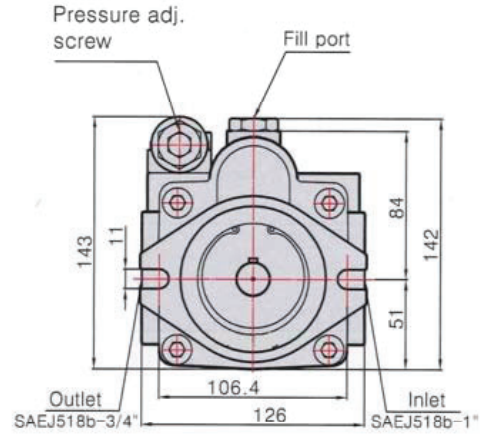
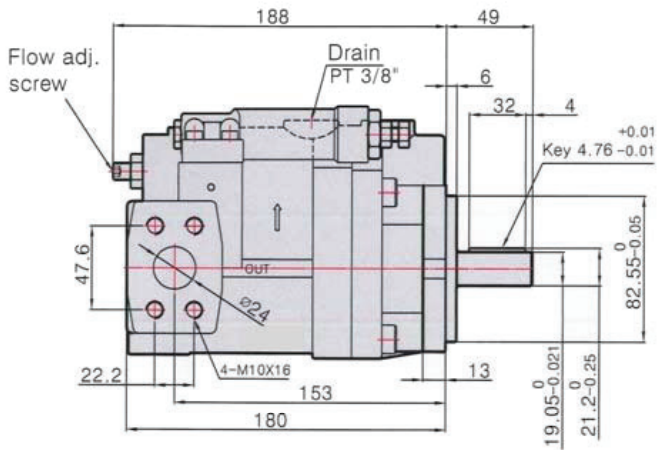


The relation between flow adjusting length (L) and pump displacement (q)

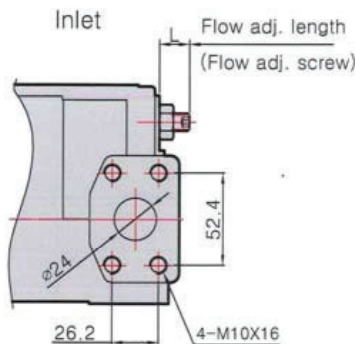
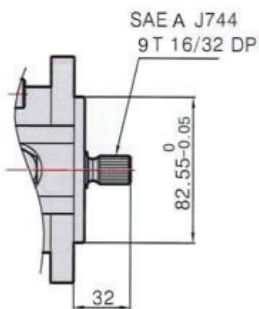


Pressure compensating type

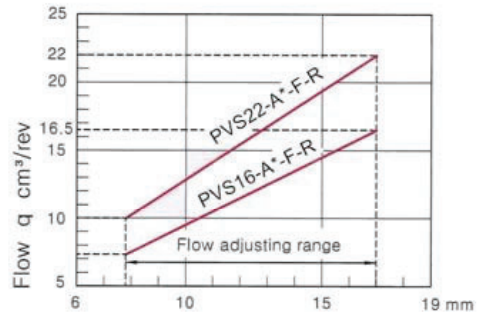
PVS16/PVS22-A*-F-R-TYPE



Spline shaft

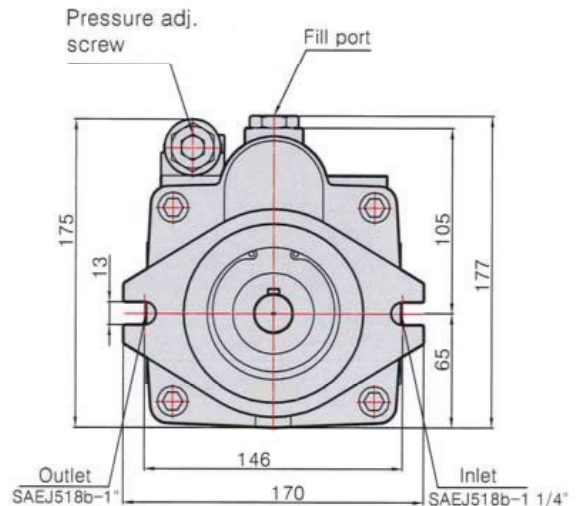
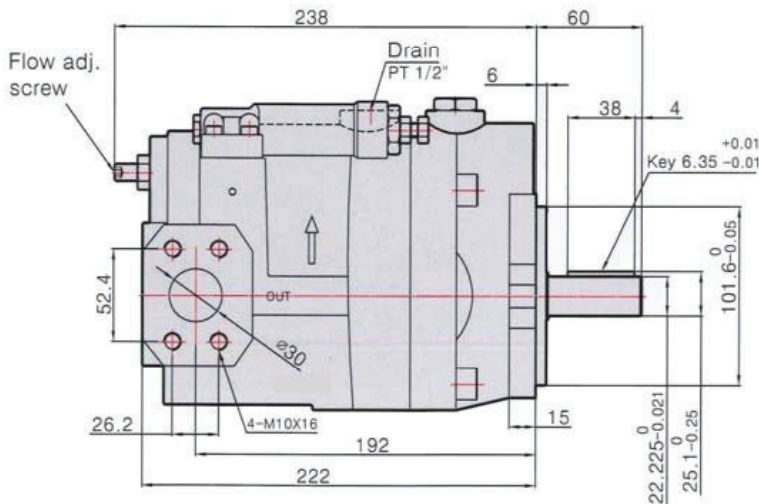


The relation between flow adjusting length (L) and pump displacement (q)

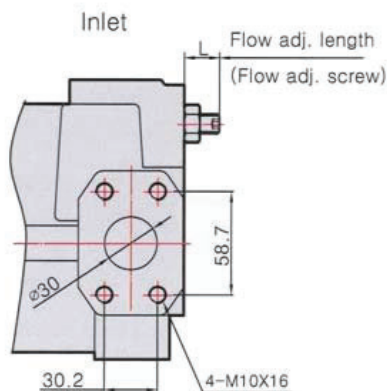
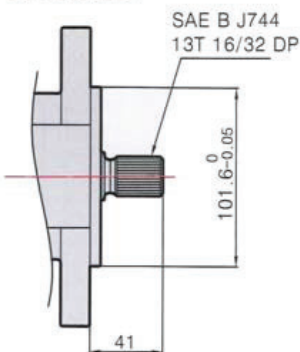


Flow adjusting length L mm

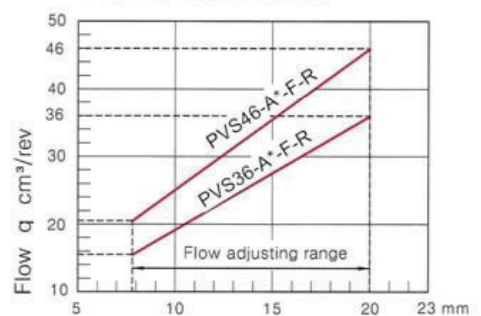
PVS36/PVS46-A*-F-R-TYPE



Spline shaft



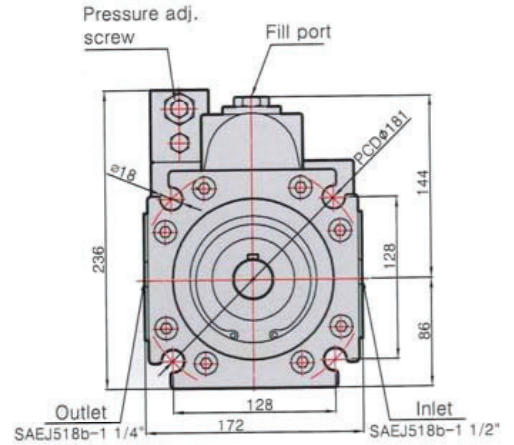
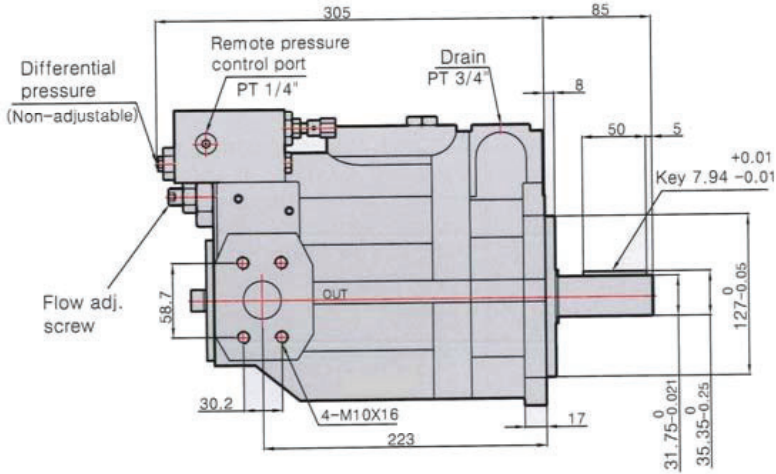
The relation between flow adjusting length (L) and pump displacement (q)



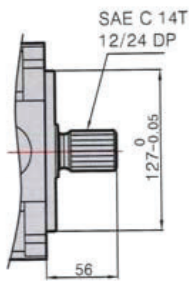
Flow adjusting length L mm

Pressure compensating type

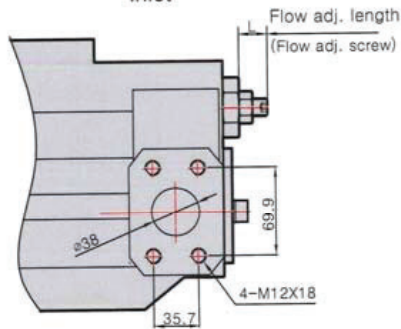
PVS70-A*-F-R-type



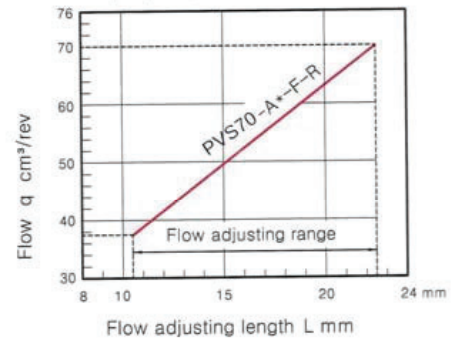
Spline shaft



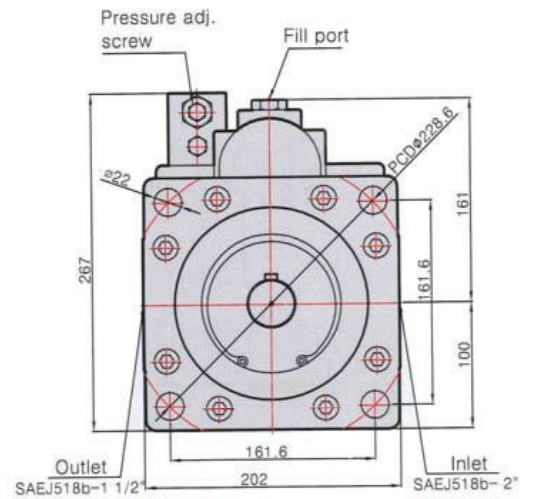
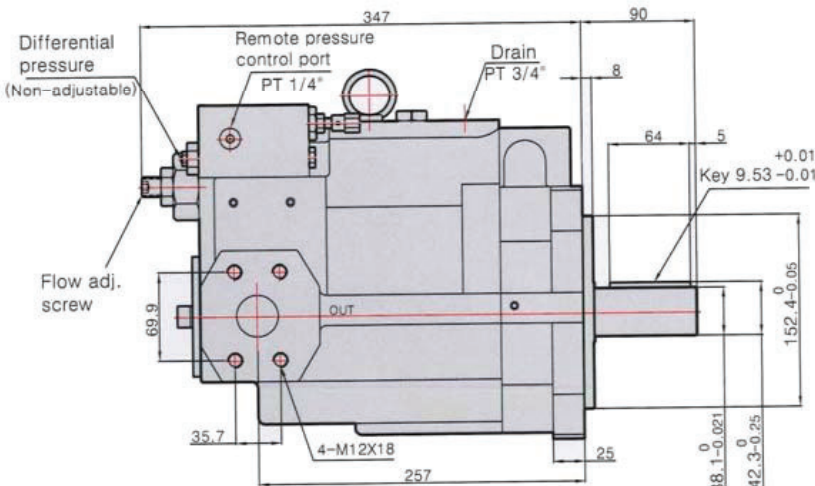
Inlet



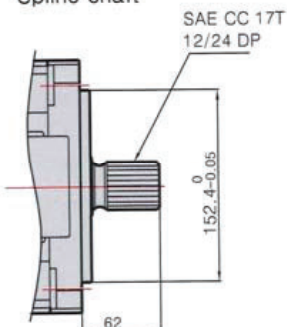
The relation between flow adjusting length (L) and pump displacement (q)



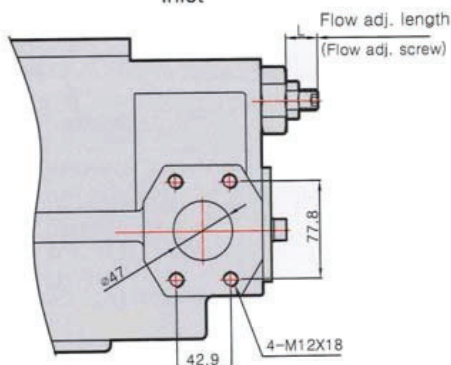
PVS100-A*-F-R-type



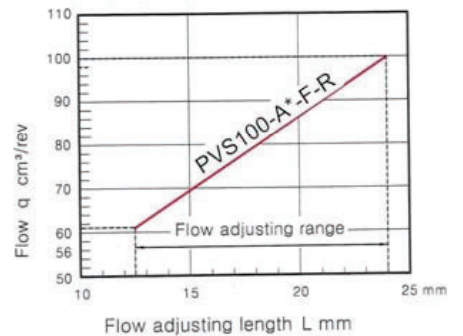
Spline shaft



Inlet



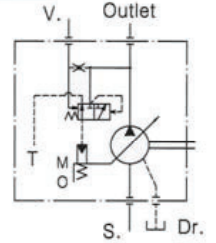
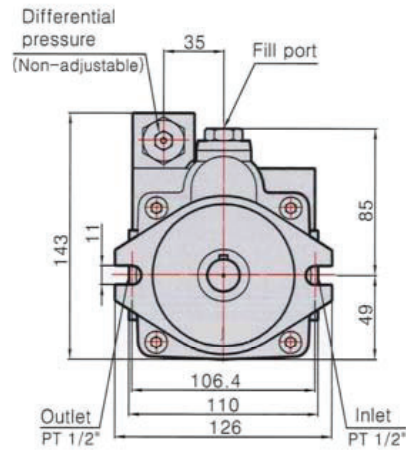
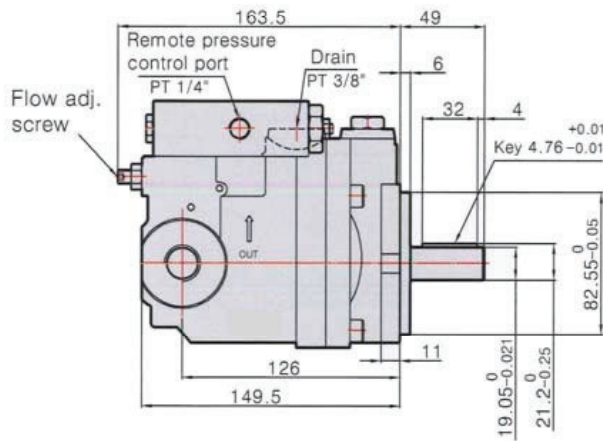
The relation between flow adjusting length (L) and pump displacement (q)



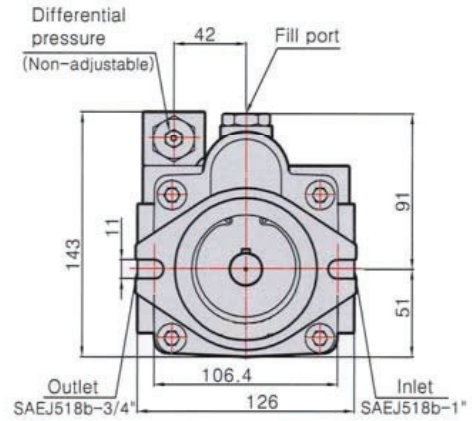
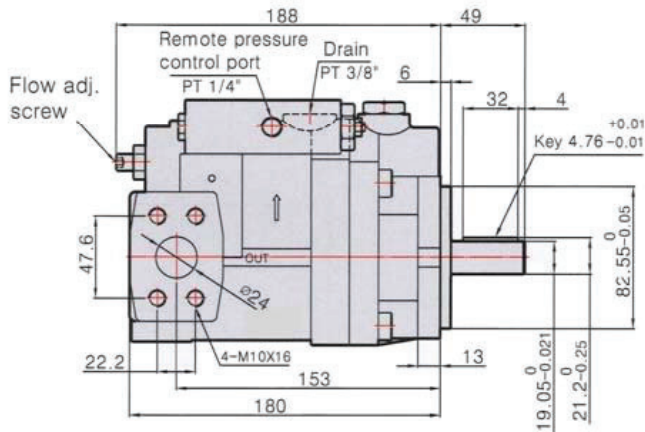
Remote pressure control type

PVS08	-B3	-F	-R	(-S)
PVS Series piston pump (cm ³ /rev)	Remote pressure control type	Mounting	Rotation	Shaft options
PVS08 (8.0)	pressure range: B3 : Pressure is controlled by the remote control valve	F : Flange mounting L : Foot mounting	R : CW (Standard)	K : Straight Key (Code omitted) S : SAE Spline PVS08 - SAE-9T PVS16 PVS22 PVS36 - SAE-13T PVS46
PVS16 (16.0)				
PVS22 (22.0)				
PVS36 (36.0)				
PVS46 (46.0)				

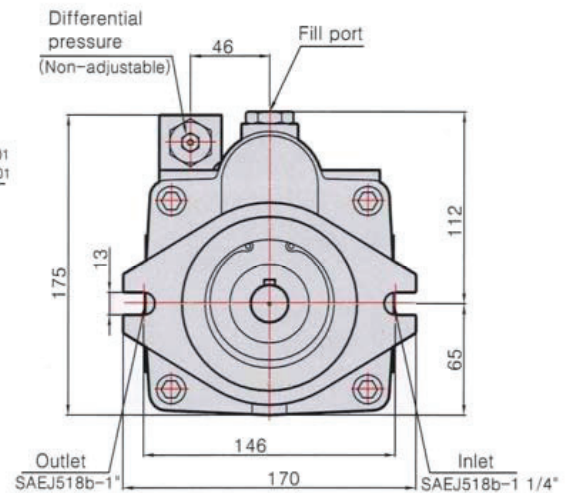
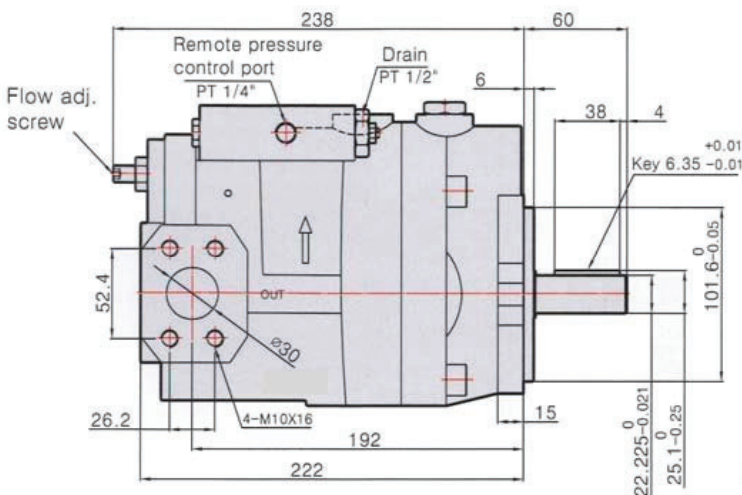
PVS08-B*-F-R-type



PVS16/PVS22-B*-F-R-type



PVS36/PVS46-B*-F-R-type

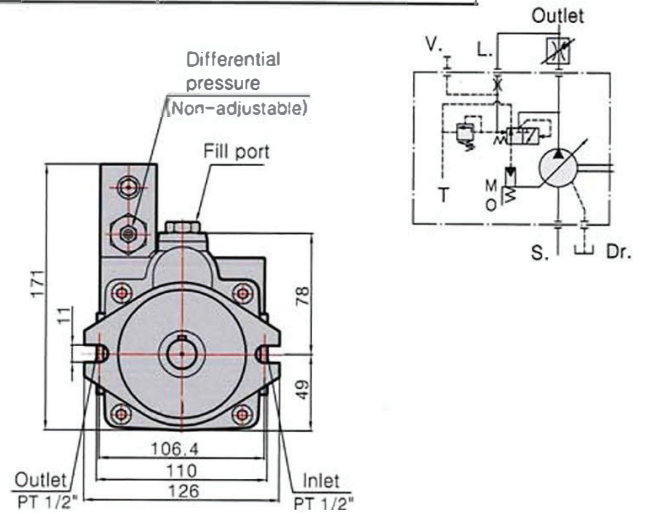
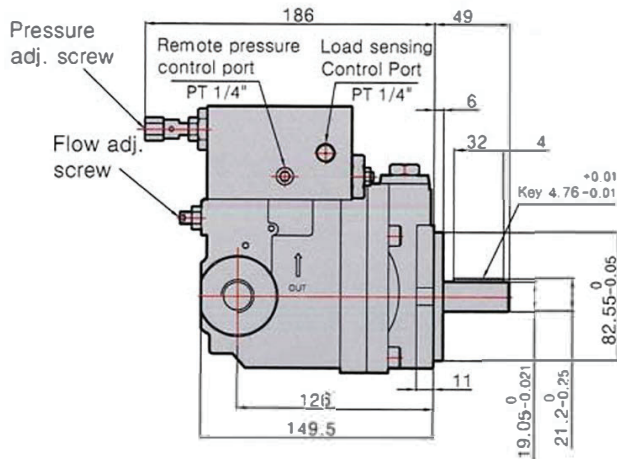


Load sensing control type

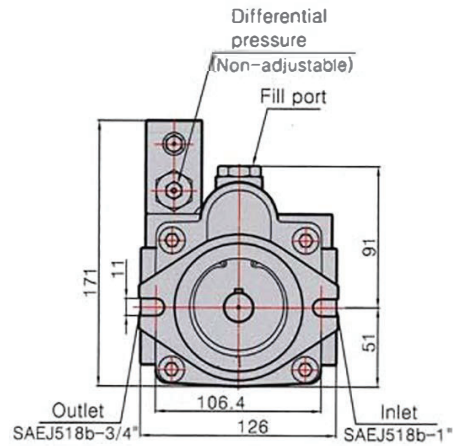
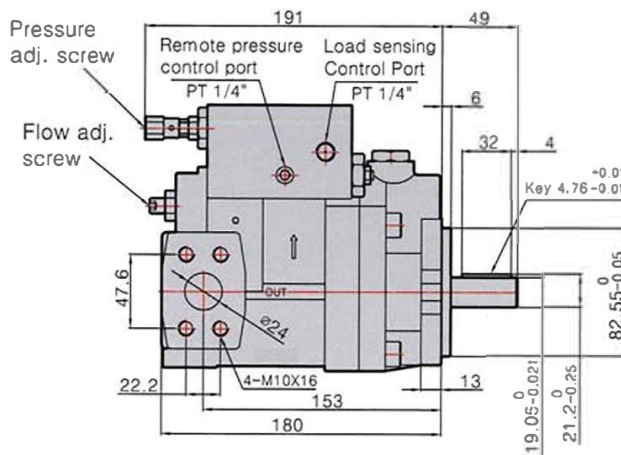
Model

PVS16	-HL3	-F	-R	(-S)
PVS series piston pump (cm ³ /rev)	HL*: Load sensing control type	Mounting	Rotation	Shaft options
PVS08 (8.0)	Pressure range: HL1 : 20~75 bar HL2 : 25~145 bar HL3 : 30~215 bar	F : Flange mounting L : Foot mounting	R : CW (Standard)	K : Straight Key (Code omitted) S : SAE Spline PVS08 - SAE-9T PVS16 PVS22 PVS36 - SAE-13T PVS46 PVS70 - SAE-14T PVS100 - SAE-17T
PVS16 (16.0)				
PVS22 (22.0)				
PVS36 (36.0)				
PVS46 (46.0)				
PVS70 (70.0)	HL2 : 25~145 bar HL3 : 30~215 bar	F : Flange mounting		
PVS100 (100.0)	HL4 : 30~286 bar			

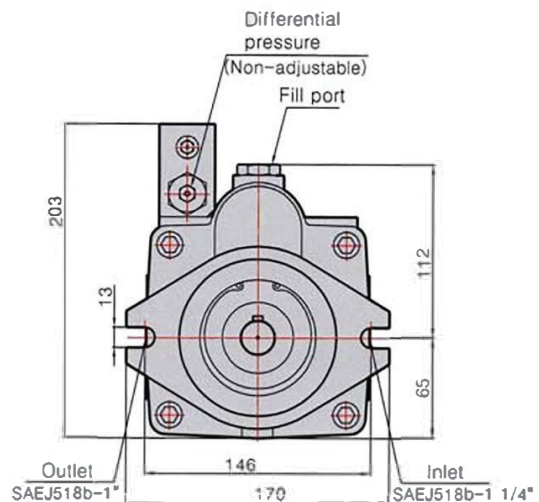
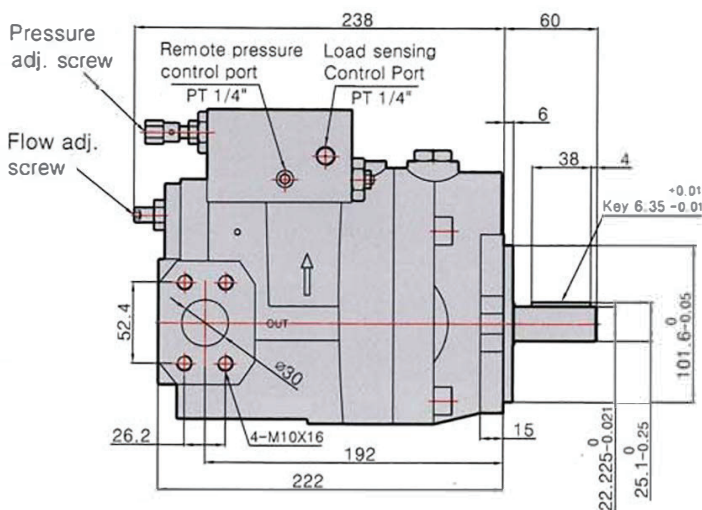
PVS08-HL*-F-R-type



PVS16/PVS22-HL*-F-R-type

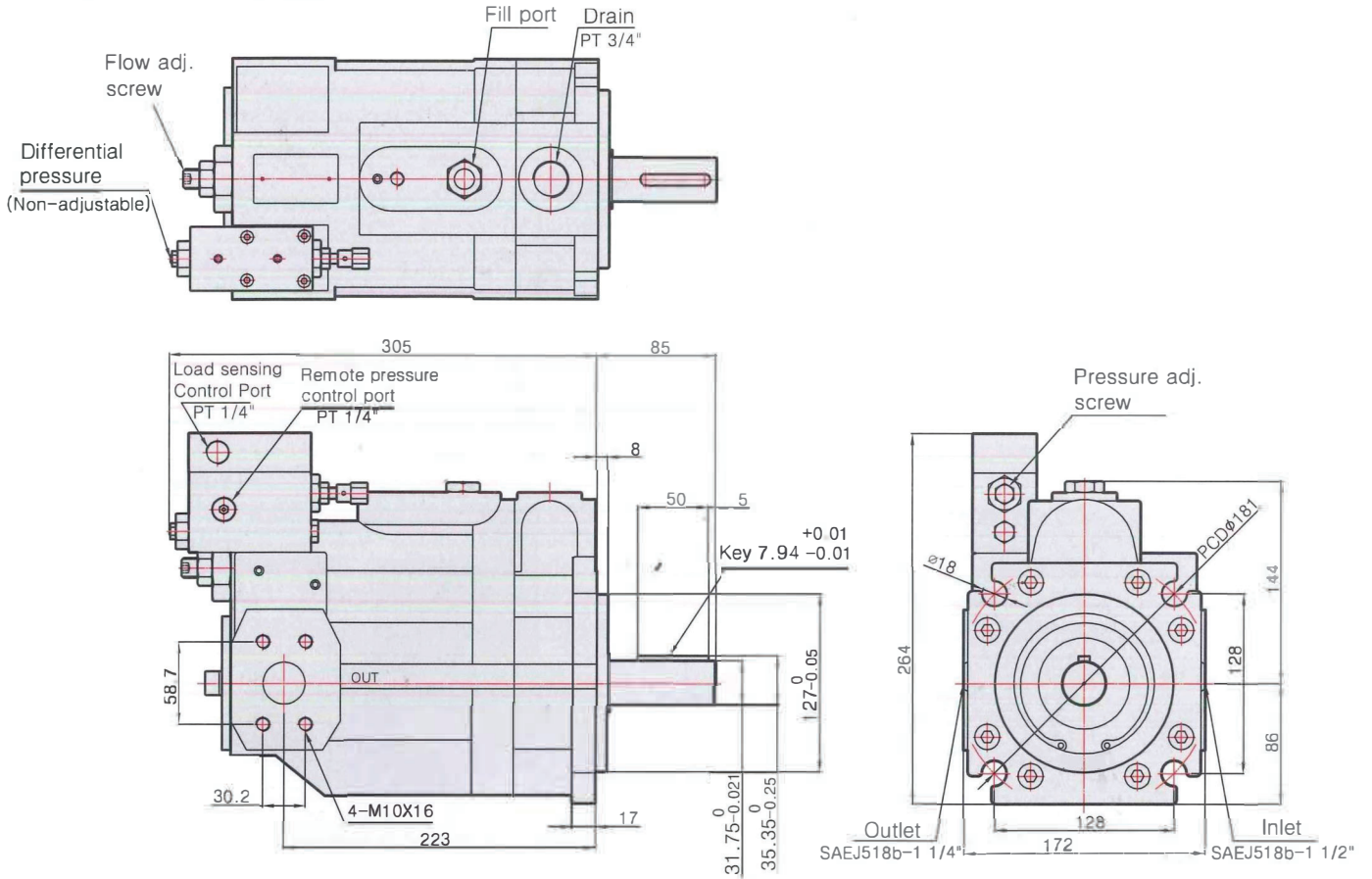


PVS36/PVS46-HL*-F-R-type



Load sensing control type

PVS70-HL*-F-R-type



PVS100-HL*-F-R-type

