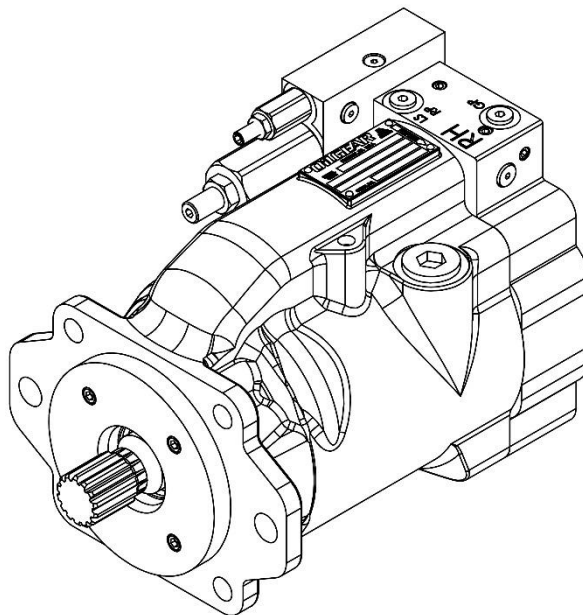




### Contents

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### Adjuster and Purge Port Locations

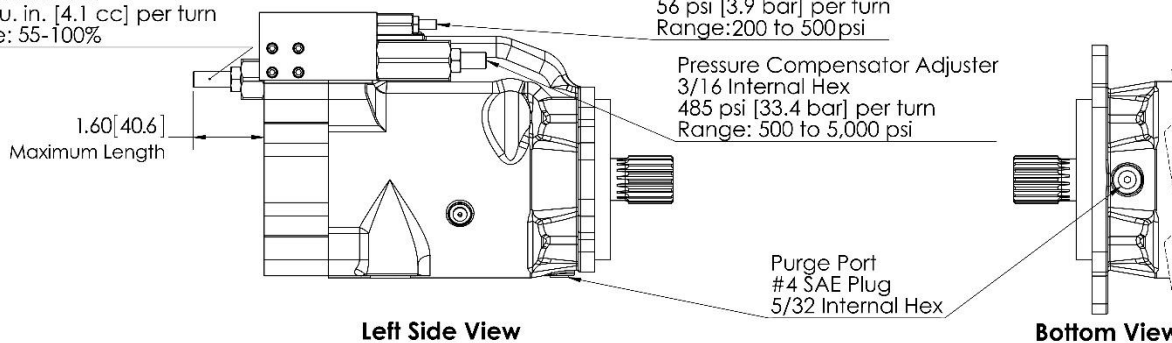
Optional Maximum Volume  
Stop Adjuster  
1/4 Internal Hex  
0.25 cu. in. [4.1 cc] per turn  
Range: 55-100%

Load Sense Adjuster  
3/16 Internal Hex  
56 psi [3.9 bar] per turn  
Range: 200 to 500 psi

Pressure Compensator Adjuster  
3/16 Internal Hex  
485 psi [33.4 bar] per turn  
Range: 500 to 5,000 psi

Purge Port  
#4 SAE Plug  
5/32 Internal Hex

1.60 [40.6]  
Maximum Length



Left Side View

Bottom View

### Control Port Locations

OP 6 Plug Access Port  
#3 SAE, 5/32 Internal Hex

Function Port  
#3 SAE, 5/32 Internal Hex

OP 6 is under this port.  
1/16 NPT, 5/32 Hex

OP 16 is under this port.  
1/16 NPT, 5/32 Hex

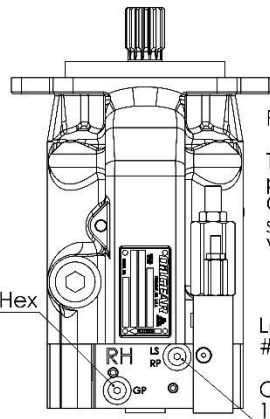
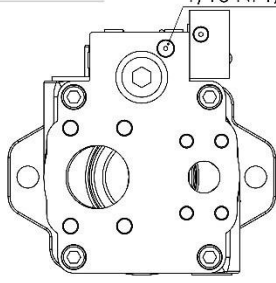
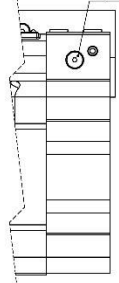
Gauge Port  
#4 SAE  
3/16 Internal Hex

Please Note

This view shows a rear-ported pump. The LS/RP, Function, and OP 6 Access ports are in the same place on the side-ported Valve Plates.

Load Sense/Remote Pilot Port  
#4 SAE, 3/16 Internal Hex

OP 9 is under this port.  
1/16 NPT, 5/32 Internal Hex



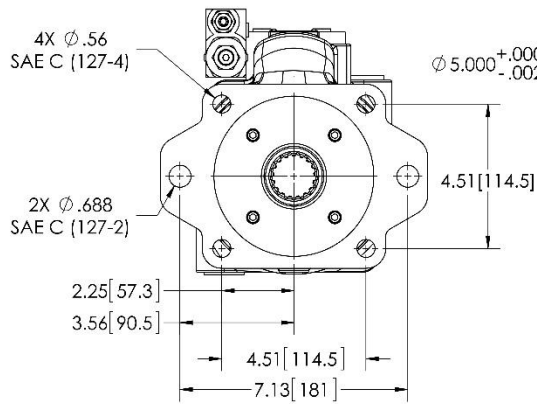
Right Side View

Valve Plate View

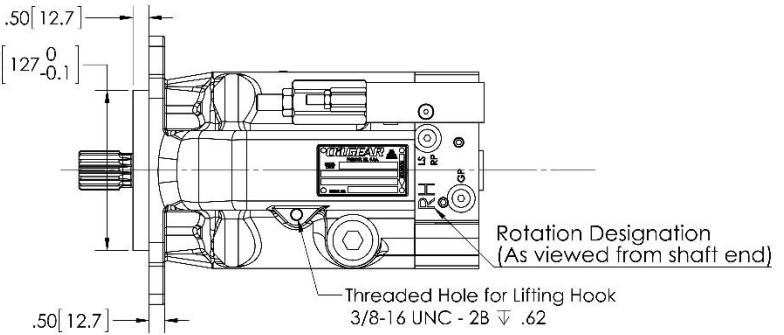
Top View



## Mounting Flange, Lifting Hook, and Rotation Designation

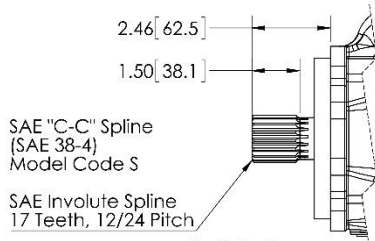


**Mounting Flange View**

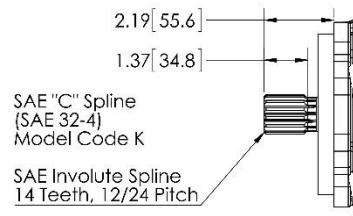


**Top View**

## Driveshafts

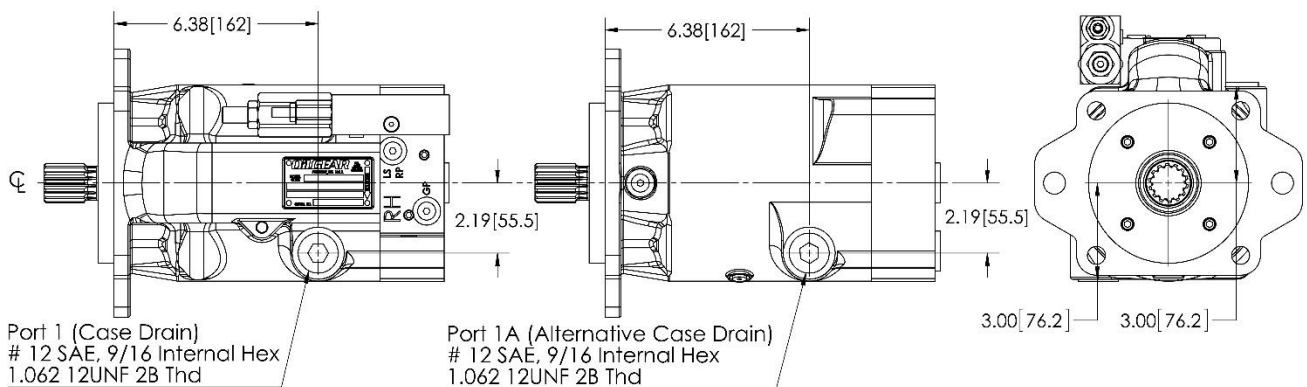


**C-C Spline**



**C Spline**

## Case Drain Locations



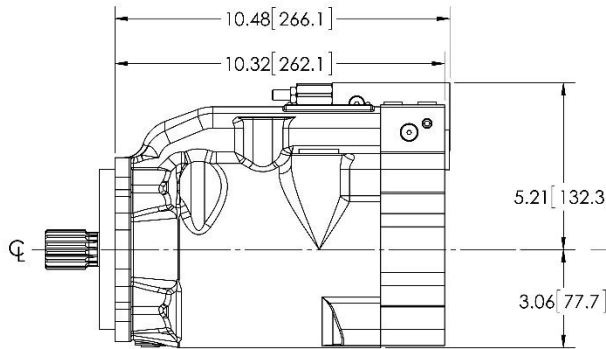
**Top View**

**Bottom View**

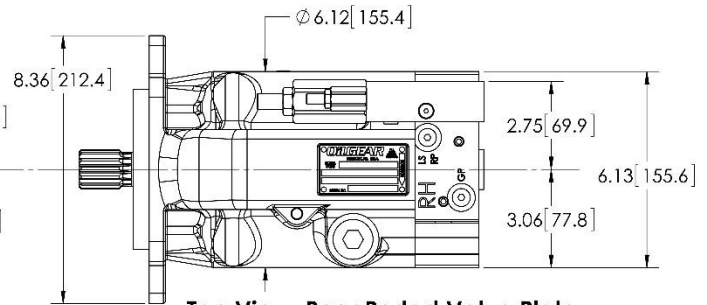
**Mounting Flange View**



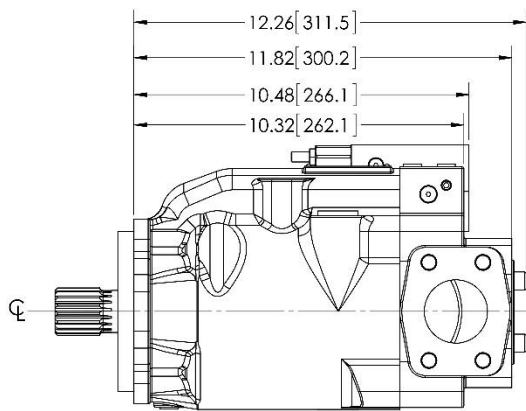
## Clearance Dimensions



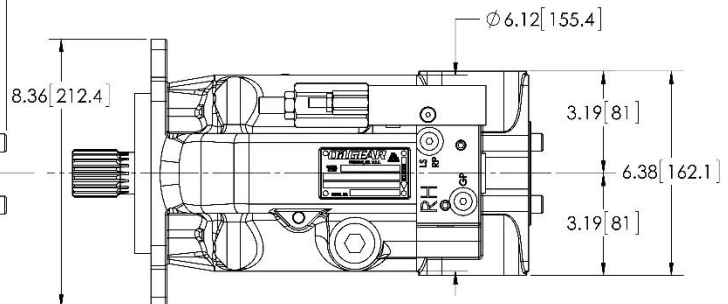
Right Side View, Rear Ported Valve Plate



Top View, Rear Ported Valve Plate

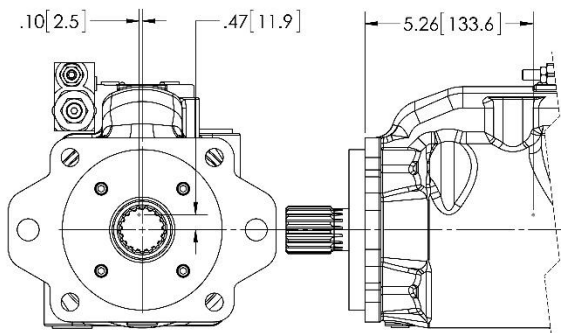


Right Side View, Side Ported Valve Plate

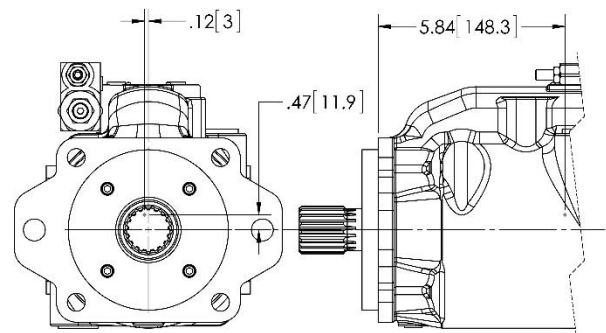


Top Side View, Side Ported Valve Plate

## Center of Gravity and Dry Weight



Rear Port Valve Plate - 73 lbs [33.1 kg]

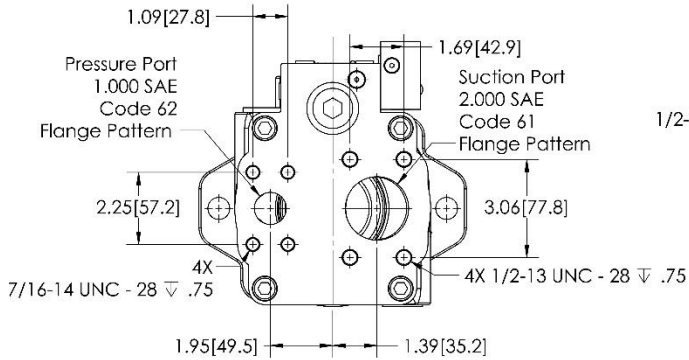


Side Port Valve Plate - 83 lbs [37.6 kg]

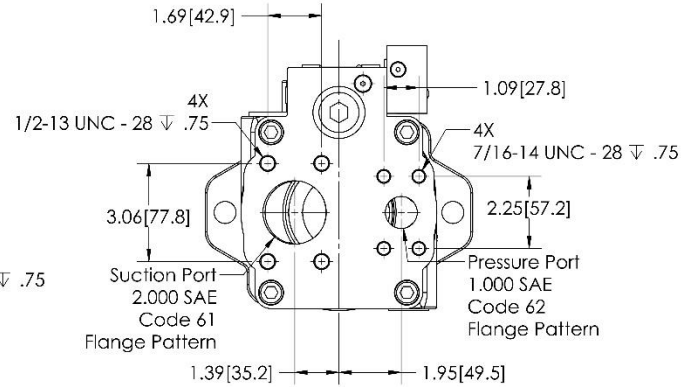
Moment of Inertia: 0.31 lb\*ff<sup>2</sup> [0.0131 kg\*m<sup>2</sup>]



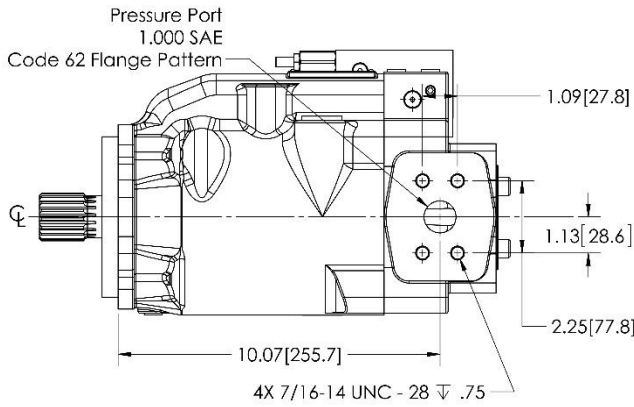
### Valve Plate Views



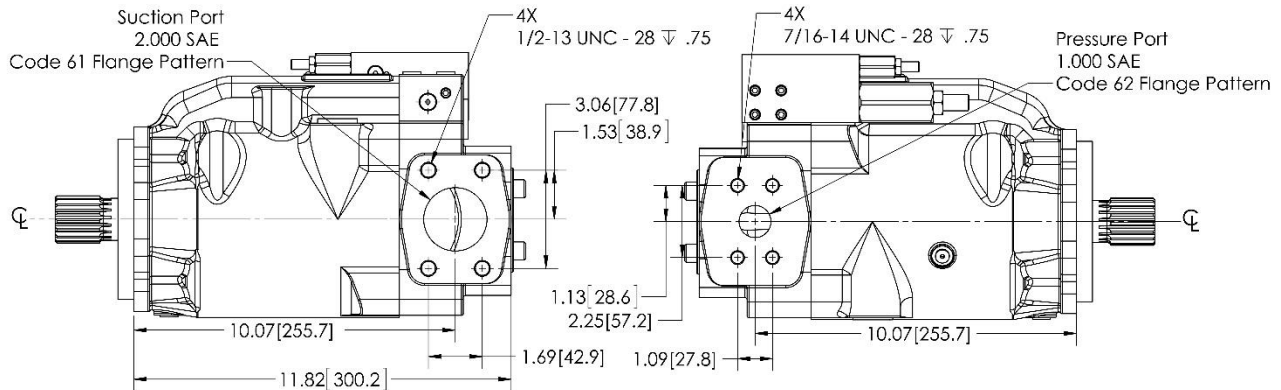
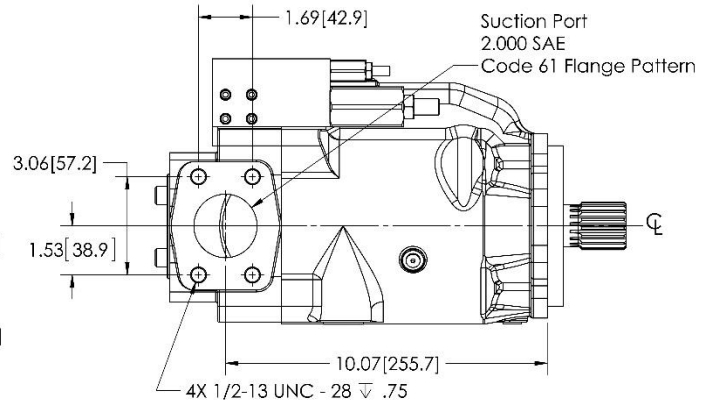
**Rear Port Valve Plate, Left Hand Rotation (CCW)**



**Rear Port Valve Plate, Right Hand Rotation (CW)**



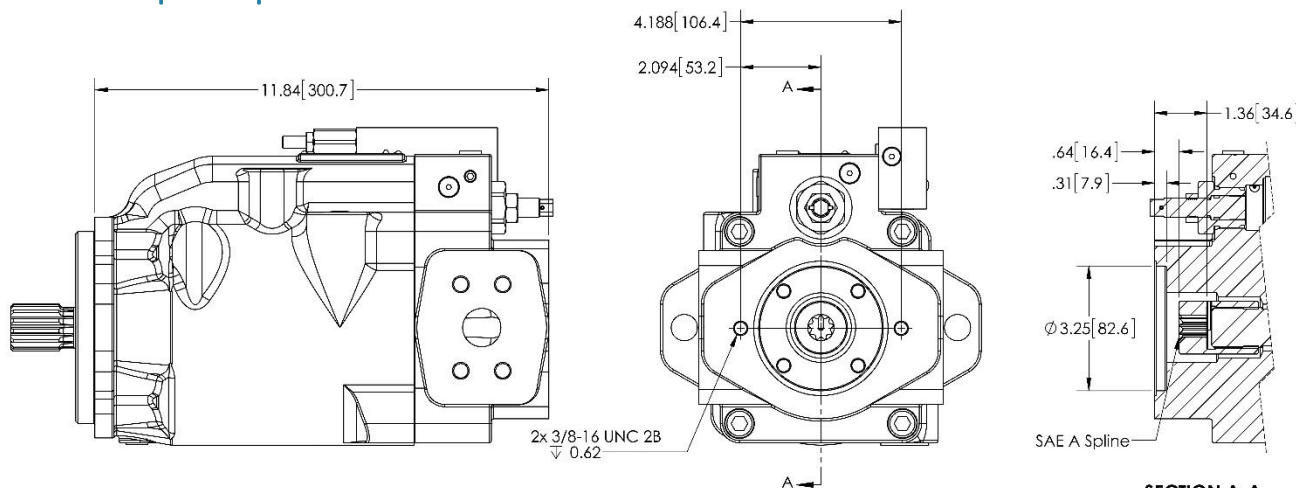
**Side Port Valve Plate, Left Hand Rotation (CCW)**



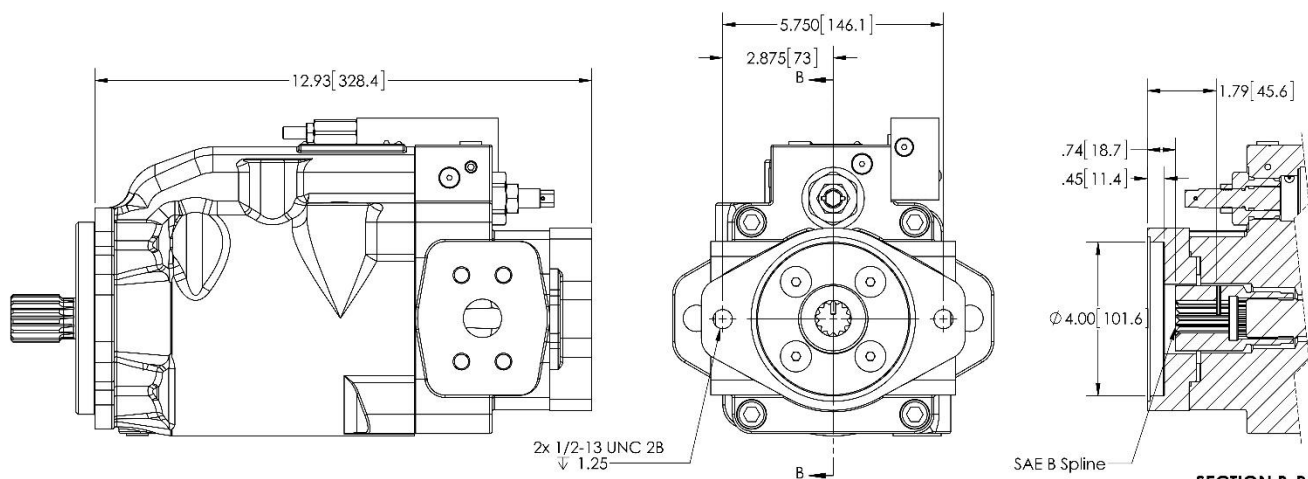
**Side Port Valve Plate, Right Hand Rotation (CW)**



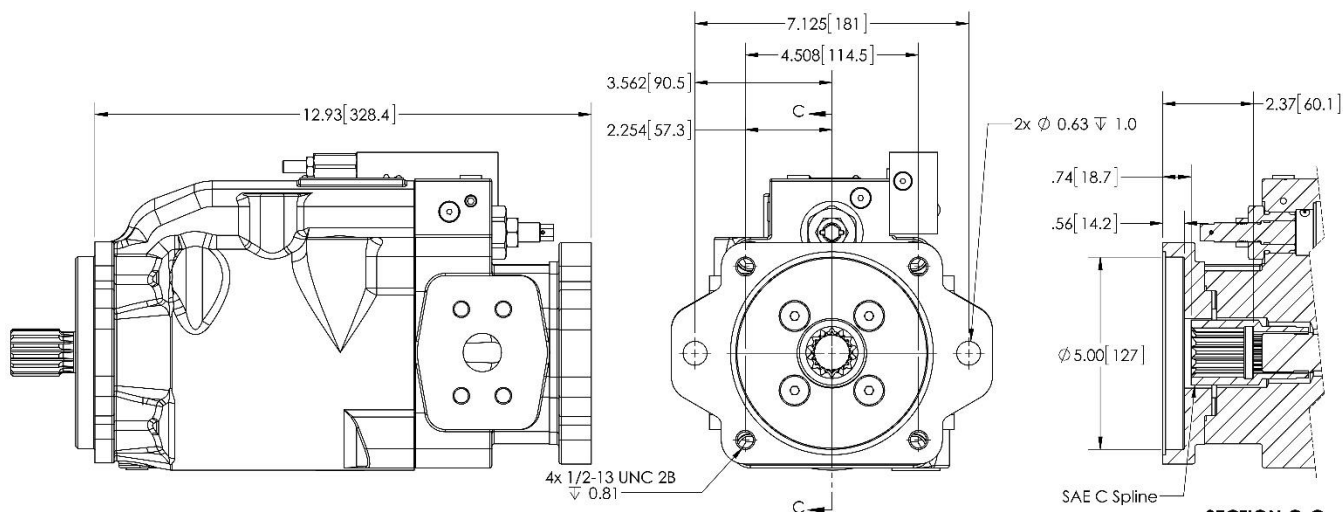
### Tandem Pump Adapters



**SAE C to SAE A Adapter**



**SAE C to SAE B Adapter**

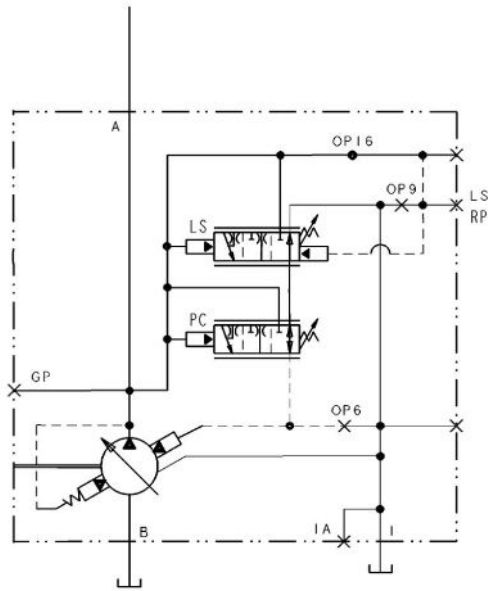


**SAE C to SAE C Adapter**



## Circuit Diagrams

### Diagram



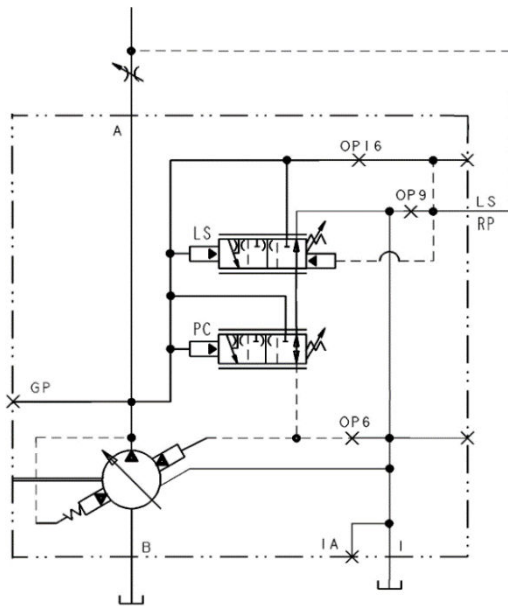
PRESSURE COMPENSATOR

### Description

#### Pressure Compensator Only

- OP 16 is OPEN.
- OP 9 is PLUGGED.
- OP 6 is PLUGGED.
- The LS/RP Port is PLUGGED.

All internal plugs and orifices use 1/16 NPT plugs and 5/32 internal hex wrenches.



PRESSURE COMPENSATOR  
AND LOAD SENSE

#### Pressure Compensator and Load Sense

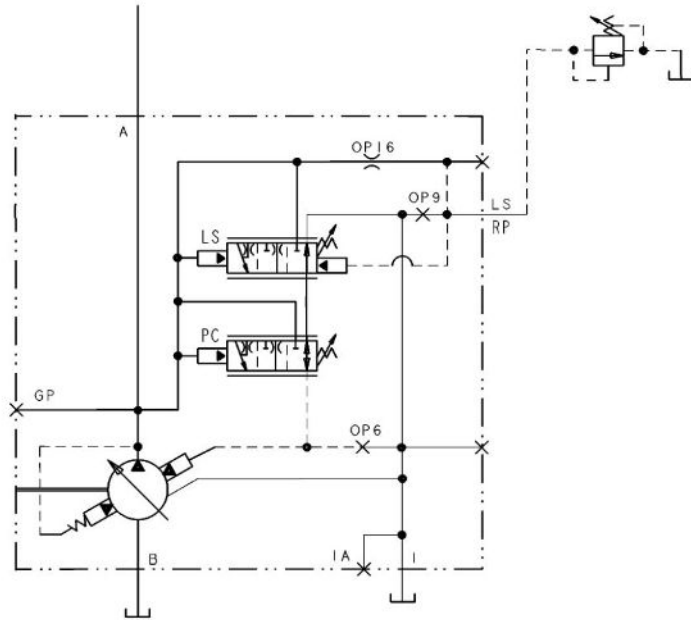
- OP 16 is PLUGGED.
- OP 9 is PLUGGED.
- OP 6 is PLUGGED.
- The customer-supplied Load Sense Circuit is plumbed into the LS/RP Port.

All internal plugs and orifices use 1/16 NPT plugs and 5/32 internal hex wrenches.



### Diagram

### Description

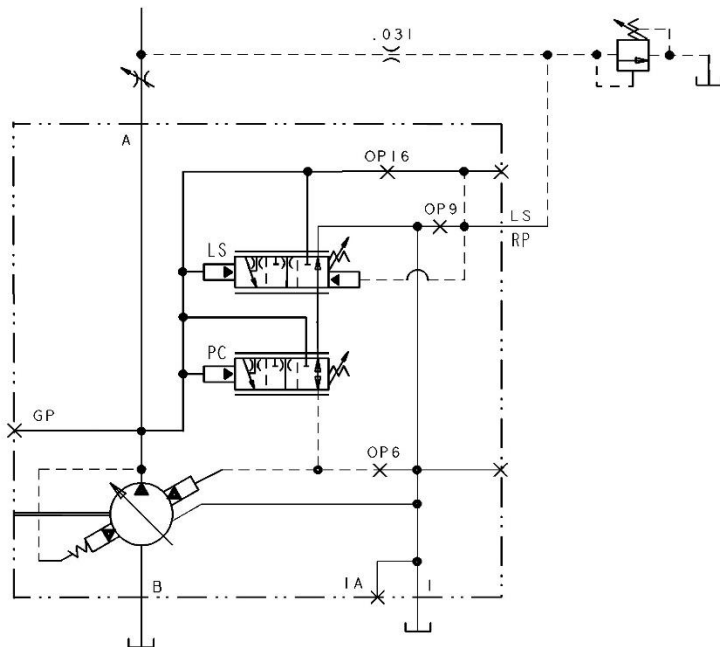


PRESSURE COMPENSATOR WITH REMOTE

#### Remote Pressure Compensator

- OP 16 has a  $\varnothing$  0.031 in ORIFICE.
- OP 9 is PLUGGED.
- OP 6 is PLUGGED.
- The customer-supplied Remote Compensator circuit is plumbed into the LS/RP Port.
- The Remote Compensator requires a flowrate of approximately 0.25 GPM.

All internal plugs and orifices use 1/16 NPT plugs and 5/32 internal hex wrenches.



PRESSURE COMPENSATOR WITH REMOTE AND LOAD SENSE

#### Remote Compensator with Load Sense

- OP 16 PLUGGED
- OP 9 PLUGGED
- OP 6 PLUGGED
- The customer-supplied Remote Compensator/Load Sense circuit is plumbed into the LS/RP Port, with the Load Sense Signal. The circuit requires a  $\varnothing$  0.031 in. orifice between the Remote Compensator and Load Sense components.
- The Remote Compensator requires a flowrate of approximately 0.25 GPM.

All internal plugs and orifices use 1/16 NPT plugs and 5/32 internal hex wrenches.