Service Data

**Vickers**®

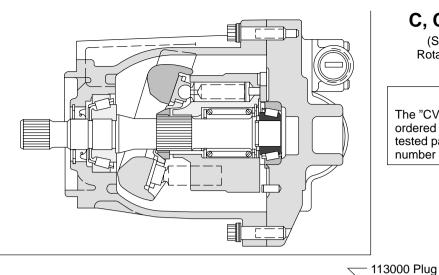
## **Piston Pumps**



# Variable Displacement Piston Pumps with Pressure Compensator

PVE19/21-\*\*-\*-20-C\*\*\*-1\* PVE19/21-\*\*-\*-30-C\*\*\*-1\*





## C, CG & CV Compensator

(Shown for right hand shaft rotation. Rotate 180° for left hand shaft rotation.)

#### NOTE

The "CVP" compensator may be ordered as a complete factory tested part by ordering part number shown in table below.

234204 Seat

17077

239157

Wire

Seal

10358 Screw (4 req'd) Torque

60-70 lb. in.

 ▲ 262331 "O" Ring —

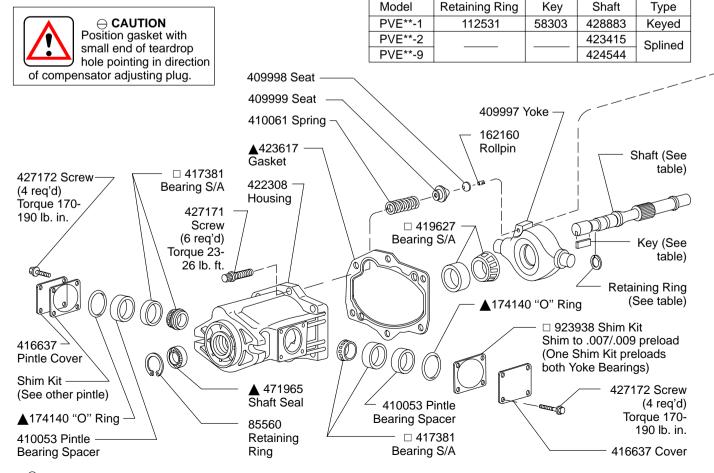
→ ▲ 913451 Gasket —

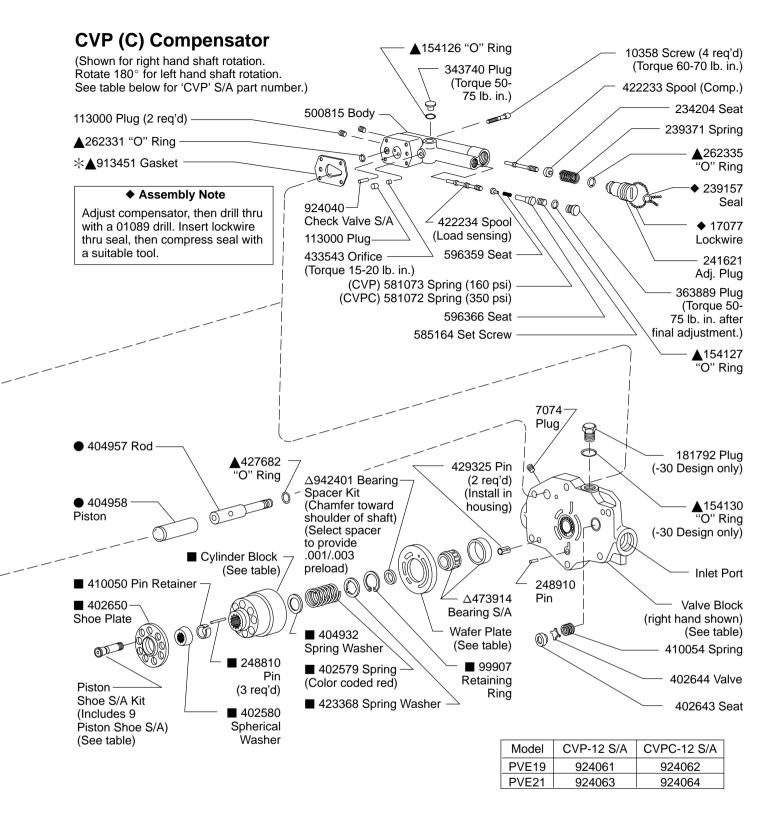
● 185638 Retaining Ring

Model	Body	Spool	Spring	"O" Ring	Back-up Ring	Plug	Compensator S/A Kit
PVE**-"C"-10	241568	241717	239371	▲262335		241621	02-334115
PVE**-"CG"-10	412890	296234			▲287144	412940	942480
PVE**-"CV"-10		278711	417649				942441

(O) O-

■ Included in Rotating Group S/A

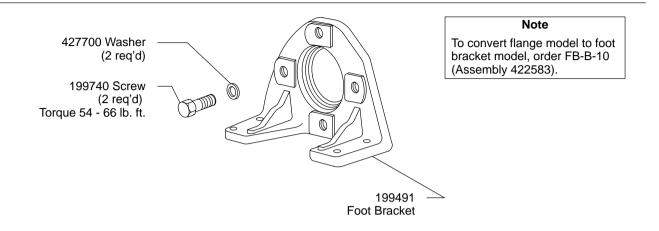


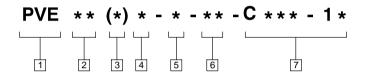


Model	Rotation Viewed from Shaft End	-20 Valve Block	-30 Valve Block	Wafer Plate	Cylinder Block	Piston Shoe S/A ■ Includes 9 Piston Shoe S/A	Rotating Group
PVE19-R	C/Wise	423337	429729	425412	406454	022020	022040
PVE19-L	CC/Wise	423329	435281	425415	426454	923939	923948
PVE21-R	C/Wise	423337	429729	425413	418215	022046	022047
PVE21-L	CC/Wise	423329	435281	425416	410215	923946	923947

 Included in 923960
 Compensator Piston & Rod S/A Kit ■ Included in 923987 Yoke Bearing Kit ▲ Included in 923988 Shaft Bearing Kit

### **Model Code**





#### Model Series

**PVE** - Pump, variable displacement, series inline piston unit

#### 2 Flow Rating @ 1800 rpm

**19** – 19 USgpm **21** – 21 USgpm

#### 3 Mounting

**F** - Foot mounting Omit - For flange

## 4 Shaft Rotation

(Viewed from shaft end)

R - Right Hand (CW)

L - Left Hand (CCW)

#### 5 Input Shaft

1 - SAE B-B straight thread

2 - SAE B-B 15 tooth spline

9 - SAE B 13 tooth spline

#### 6 Pump Design

20 - Single drain port

30 - Dual drain port

#### Control Type & Design

**C-10** - Pressure compensated (PVE19, 250-3000 psi)

(PVE21, 250-2700 psi)

**CG-10-** Remote control pressure compensator adjustable from 350-3000 psi using an

external relief valve

CV-10- Load sensing PVE19/21

CVP-12- Load sensing (160 PSID) with pressure compensation

PVE 19/21

CVPC-12- Load sensing (350 PSID)

with pressure compensation

PVE19/21

For satisfactory service life of these components in industrial applications, use full flow filtration to provide fluid which meets ISO cleanliness code 20/18/15 or cleaner. Selections from Eaton OFP, OFR and OFRS series are recommended.