

'Centrifugal Pressure Release' Assembly 'CPR-9700'

Aug '09

Installation Instructions:

1. Ensure threads on Crankshaft and Flyweights are clean. Apply (1) drop '242' Loctite on first (4) threads, and fasten the Flyweight Assembly to the end of the Crankshaft. Torque to 200 in.lb. (22.5 Nm).
2. Insert the Valve Stem into the Valve/Cup Body, inserting the narrow end of the Stem in first.
3. Place the Gasket between the existing Pump End Housing and the Valve/Cup Body, and fasten in place using Socket Head Screws.
4. A 1/4" unloader line, generally from the Check Valve area, must be connected to the Compression Fitting.

Trouble-Shooting:

- A. The Unit blows off continuously at the CPR while the Unit is running.
 - The Valve Stem, Ball, or Spring may be sticking in the Valve/Cup Body. Unscrew the End Plug, take the Stem, Ball and Spring out of the Body, and clean.
 - The Pump may not be operating at the minimum 500 rpm required to close the Valve.
- B. The Unit blows off continuously at the CPR while stopped.
 - Though the symptom is found at the CPR, the actual problem is at the Check Valve area, air bleeding from the Tank through the Check Valve and out the CPR. Repair or replace Check Valve.

CPR Replacement Information:

The 'CPR-9700' is interchangeable with previous models as used on the '44643', '432', and '445' Pumps.

On '44633' Pumps, the installation of the 'CPR-9700' requires a new Pump End Housing, part number '37335-106'.

On '44642' Pumps, the 'CPR-9700' will not fit on those Pumps with serial numbers prior to serial number '11177'. Parts may be ordered for the existing assembly. Contact your DV Systems Distributor for pricing and availability.

Note:

- A. The Pump must be rotating at a minimum of 500 rpm for the 'CPR-9700' to work affectively.
- B. Some older Pumps may require the thread in the end of the Crankshaft to be tapped deeper. It must be a minimum of 1-1/8" deep.

Service Parts:

The following service parts are available:

CPR-9401	Flyweights
CPR-9009	Valve Cup/Body
CPR-9010	CPR Repair Kit
	C/o: CPR-9004 Valve Stem
	445-144 Gasket
	CPR-9007 Ball
	CPR-9006 Spring
	CPR-9000 End Plug

