CB+ Craft Brew Pump Ampco Pumps Company

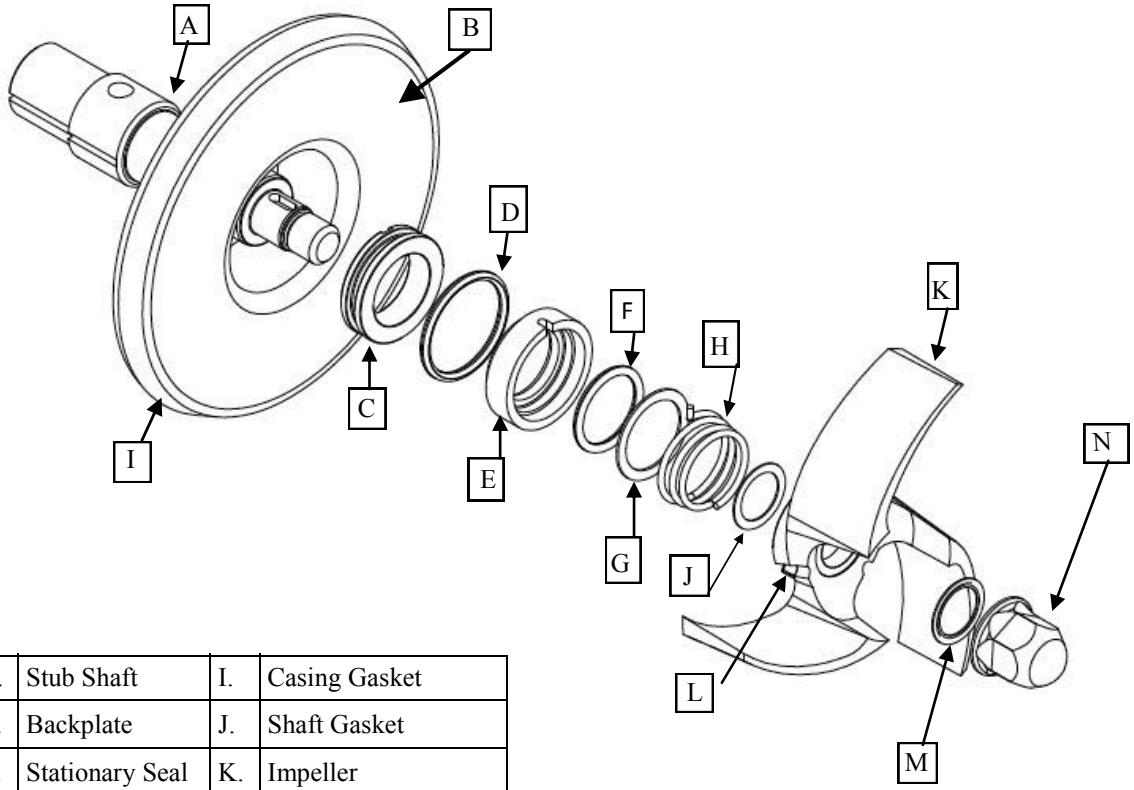
Ampco's CB+ Craft Brew pump was developed specifically for the craft brewing industry allowing brew masters to focus on creating the next signature beer rather than deal with leaking pumps. The CB+ features an internal seal design that reduces product buildup and reduces the temperature of the seal faces. When pumping wort at temperatures near boiling flashing is likely to occur, this can cause premature seal failure. The CB+ minimize these problems in several ways.

- The internal seal is submersed in product to promote cooling
- Pressure within the pump creates a higher closing force on seal faces to minimize product buildup.
- An internal spring agitates wort solids to avoid caking on seal faces.

The CB+ Craft pump is dimensionally and hydraulically interchangeable with the AC, AC+, and competing C series pumps. Conversion kits are available for each.

CB+1 Conversion Kit– Converts AC+ to CB+ with a simple seal and backplate replacement.

CB+2 Conversion Kit– Converts AC and competing C Series pumps to CB+ by replacing the seal, backplate, stub shaft, collar, o-ring, and impeller nut.



A.	Stub Shaft	I.	Casing Gasket
B.	Backplate	J.	Shaft Gasket
C.	Stationary Seal	K.	Impeller
D.	O-Ring	L.	Impeller Key
E.	Rotating Seal	M.	Impeller Nut Gasket
F.	O-Ring	N.	Impeller Nut
G.	Washer	O.	Casing
H.	Spring		

Conversion Kit Installation CB+ Craft Brew Pump

CB+1 Conversion Kit

NOTE: In the rare case that you need to reassemble the CB+ seal, please follow the below instructions.

1. Lubricate the o-ring with sanitary compatible lubricant, and stretch (do not roll) it onto the groove in the stationary seal [Figure 1]. Insert the completed stationary seal assembly into the back plate with the notch facing down and inserted first [Figure 2]

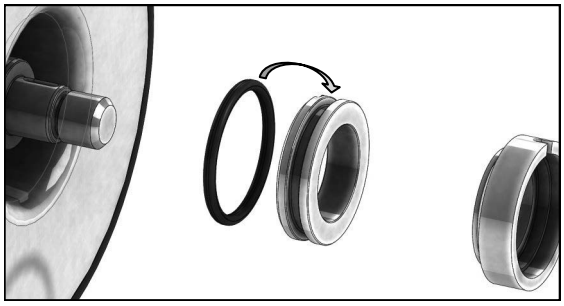


Figure 1

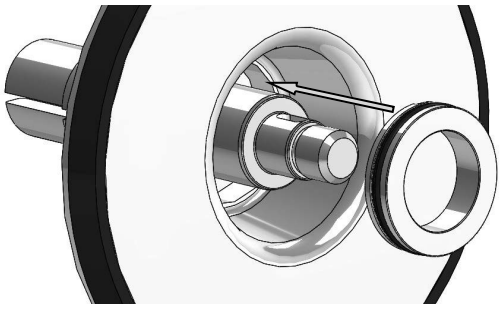


Figure 2

2. Lubricate the o-ring, and insert it into the rotating seal followed by the washer [Figure 3]. Slide the completed orating seal assembly onto the stubshaft assembly [Figure4].

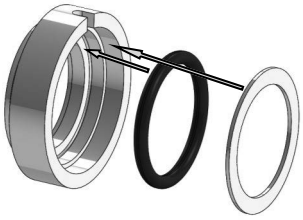


Figure 3

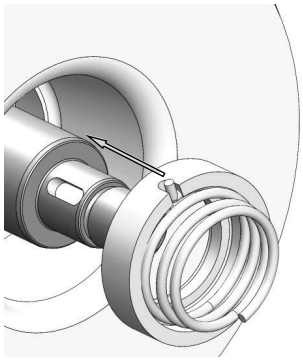


Figure 4

3. Place the spring on the stub shaft being sure to align the tab on the spring with the notch in the rotating seal [Figure 5].

Figure 5

Conversion Kit Installation CB+ Craft Brew Pump

4. Place the rear impeller gasket onto the shaft, next place the shaft key in the shaft keyway and slide the impeller over the shaft [Figure 5]. Place the impeller nut gasket in the groove on the impeller nut and tighten down the impeller nut [Figure 6]. The impeller nut should be tightened to 18 ft-lbs (AC+114) 40 ft-lbs (AC+ 216,218,328,4410).

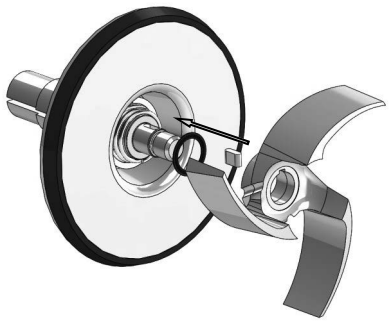


Figure 5

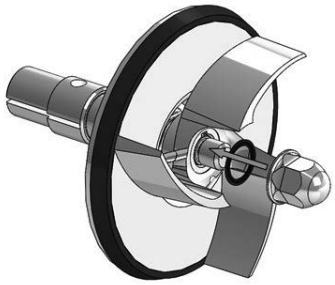


Figure 6

CB+2 Conversion Kit

1. Reference the AC/AC+ Maintenance page 10 for proper procedures on replacing the stub shaft. Once the stub shaft is replaced, proceed to steps 1 through 4 above to complete the seal assembly.