

# CONVERSION INSTRUCTIONS

## VFX Model to JF Model

(Used for 3400 Models Only)

### PARTS INCLUDED

- A. 3400J Fountain Pump Housing (1)
- B. #6 Flat Washers (4)
- C. #6 x 3/4" Fillister Head Screws (4)
- D. 4 Blade Prop (1)
- E. Rope Weights (2)
- F. Nozzle Set with Hardware
  - 1. 3/8" x 2.5" Bolt (1)
  - 2. 3/8" x 4" Bolt (1)
  - 3. Linden Nozzle (1)
  - 4. Sequoia Nozzle (1)
  - 5. Juniper Nozzle (1)
  - 6. Willow Nozzle (1)
  - 7. Cypress Nozzle (1)
  - 8. Collar for Cypress Nozzle (1)



### TOOLS & SUPPLIES NEEDED

- Gloves
- Small Flat Head Screw Driver
- 9/16" Socket and Ratchet
- 3/4" Socket
- 9/16" Wrench
- T-Handle Socket Driver
- 9/64" T-Handle Allen Wrench (6" long)

#### **STEP ONE**

Disconnect the fountain from the power source and remove from the pond. If installed in the Float, loosen the 2 bolts in the Bottom Screen Clips with the



9/16" Socket & Ratchet and 9/16" Wrench until the Bottom Screen can be removed from the Float.

#### **STEP THREE**

While holding the shaft still with the T-Handle Allen Wrench and Zinc Anode, remove the VX Disc Bolt with the 3/4" Socket and T-Handle Socket Driver. When the VX Disc Bolt is removed, you can also remove the VX Disc and Washer from the Shaft.



#### **STEP TWO**

Insert the 6" long 9/64" T-Handle Allen Wrench into one of the Zinc Anode set screws to hold the shaft still for steps 3-5.



#### **STEP FOUR**

Still holding the shaft still with the Allen Wrench and Zinc, remove the existing Propeller by unthreading it from the shaft in a counterclockwise direction with a GLOVED hand.



### STEP FIVE

With the shaft still, install the new 4 Blade Propeller by threading it onto the shaft in a clockwise direction using a GLOVED hand. Thread the Propeller until it is seated tightly on the shaft. You may have to lower the Zinc Anode to fully tighten the Propeller. If the Propeller is not fully tightened, it may hit the Pump Housing during operation causing damage.



### STEP SIX

Install the new 3400J Fountain Pump Housing by fitting it inside the existing black VX Tube on the fountain. Align the 4 holes on the tip rims of the 3400J Fountain Pump Housing and the VX Tube. Attach the 3400J Fountain Pump Housing to the VX Tube with the #6 Flat Washer and #6 x 3/4" Fillister Head Screws. Tighten the Fillister Head Screws with a Flat Head Screw Driver until snug.



### STEP SEVEN

Select a nozzle (See next page for Nozzle and Pattern Options). Insert the Shaft Bolt into the Nozzle Head so it fits snugly into the molded socket. Install the Nozzle by threading it into the inner cone of the Fountain Pump Housing. Make sure to tighten the Nozzle all the way down.



### STEP EIGHT

Thread one rope through one rope weight and position it approximately 6' from the float. Next, thread the end of the rope back through the opening facing the float (as shown). Repeat with the second rope and weight.



### STEP NINE

Turn secured fountain upside down so the top of the Float (logo side) is face down on the flat surface. Place the Bottom Screen onto the bottom side of the Float. Make sure the wide opening of the screen is against the float and the 3 handles on the screen do not interfere with the rope placements. Align the Bottom Screen clips so the two prongs straddle a wire on the screen. Tighten the Locking Nuts using the 9/16" Socket and Ratchet on the nut end and the 9/16" Wrench on the bolt end. Tighten until snug.



### STEP TEN

Re-Install the 3400JF unit just as you did with the VFX unit. Refer to your VFX Owners Manual for Installation Instructions. Now you are ready to supply power to your 3400JF Fountain through the proper control panel supplied with the VFX unit. **ENJOY YOUR NEWLY CONVERTED KASCO AERATING FOUNTAIN!**

# 3400JF NOZZLE OPTIONS & PATTERN SIZES

*NOTE:* Pattern sizes listed are approximate. Variations in voltage caused by regional electrical differences or voltage drop due to long power cords may result in reduced pattern sizes.

- All five nozzles are included with the 3400JF package.
- The Cypress is the only nozzle that uses the separate collar labeled C2.
- The Cypress, Linden, Willow, and Juniper nozzles use the 3/8" x 4" bolt.
- The Sequoia nozzle uses the shorter 3/8" x 2.5" bolt.



**Cypress Display:** Produces a 9-stream arch 6' tall by 16' wide. The Cypress nozzle (marked C1 on fin) makes use of the collar (marked C2 on the top rim) and the 3/8" x 4" bolt.



**Linden Display:** Produces a two-tiered display with a center column 6.5' tall by 3' wide and an outer cone 3.5' tall by 14' wide. The Linden nozzle (marked L inside one of the fins) uses the 3/8" x 4" bolt.



**Willow Display:** Produces a cone of water 4.5' tall by 15' wide. The Willow nozzle (marked W on the inside of the cone) uses the 3/8" x 4" bolt.



**Juniper Display:** Produces a wide cone of water 3' tall by 20' wide. The Juniper nozzle (marked with J on in inside of the nozzle cone) uses the 3/8" x 4" bolt.



**Sequoia Display:** Produces a narrow column of water 7' tall by 4' wide. The Sequoia nozzle is not marked and uses the shorter 3/8" x 2.5" bolt.



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