

## CARE AND MAINTENANCE

- Clean water is obviously the best way to maintain a beautiful water feature. Change water frequently and use water additives. Inquire with your dealer.
- It is not recommended that fountains be left running during the night or when not at home as the water level cannot be monitored. **NEVER LET THE FOUNTAIN RUN DRY!!!** Lack of water will burn out the pump. **The rule of thumb** is that if a fountain runs continuously for eight hours you are bound to have to add more water to it.
- Concrete by nature absorbs moisture and in colder climates, this can have adverse effects on concrete. Concrete left standing in water, not properly covered or protected can during freezing temperatures pit, crumble, or in some cases even crack concrete.
- **Never allow water collected in bowls to freeze**

## TROUBLESHOOTING

- **Is there enough water in the fountain?**  
Many require a full water level to operate properly.
- **Is the plastic tubing kinked, blocking the water flow?**
- **Did the circuit breaker go off?**  
**Is there debris, leaves, mineral buildup, etc. blocking the intake to the pump?**
- **Is there an "airlock" in the pump?**  
Plug and unplug the pump several times to clear it or pour water into the tubing.

- **Is the propeller in the pump turning?**  
Consult manufacturer's directions for servicing supplied with the pump.

## • Possible leakage?

Check for leaks by filling the fountain without operating the pump. If you do not see water around the base, it might be splash out on a windy day or a thirsty pet!

- **Excess splash?** In some cases, water clings to lips or spillways, causing water to fall erratically. Applying a small amount of clear silicone at those points where water is designed to fall could help produce a continuous pour and reduce splash. Simply place a small amount of silicone on your finger and lightly apply by pulling down, creating an up-side-down teardrop for water to follow.

## COLOR DISCLAIMER

Each item is finished and antiqued by hand in wide variety of designer colors. Al's Garden Art products are made of natural materials and color appearance may vary by degree of texture, size, shape of area and lighting. Each work of art is unique and will vary in color. Because of this Al's Garden Art can not accept any returns of products not actually matching the colored sample disc or items on display. Unless properly treated all water features experience calcium buildup. In addition, cement products contain minerals associated with efflorescence. Although our mix design contains minimal amounts of minerals associated with efflorescence, complete isolation is impossible.

## FITTINGS LIST



**Note: Al's Garden Art supplies the appropriate fittings required for assembly of each fountain model. This illustration is for identification purposes only**

No.	Description	No.	Description
AG-01	TUBING, 3/8"ID 1/2"OD	AG-90S	L BRACKET, SMALL
AG-02	TUBING, 1/2"ID 3/4"OD	AG-90	L BRACKET, LARGE
AG-05	BRASS JET	AG-91	COPPER ELBOW, LARGE
AG-08	TUBING, 1"OD	AG-92	COPPER ELBOW, SMALL
AG-15	PERMA GUM	AG-93	COPPER PIPE 1/2" (4" LONG)
AG-16	WOBBLE WEDGES	AG-94	COPPER PIPE 1/2" W/VINYL
AG-20	THREADED NIPPLE 1/2"	AG-95	PVC 1/2" THREAD TO SLIP
AG-21	THREADED BARB 1/2"	AG-97	TUBING, 3/8"ID 1/2"OD
AG-22	PIPE - FEMALE HOSE	AG-99	INLINE CHECK VALVE, 3/4"
AG-23	THREAD 1/2" SLIP ELBOW	AG-100	PVC CROSS FITTING, 1"
AG-24	PVC PIPE 1/2"	AG-103	HP PUMP HOSE
AG-26	DRAIN PLUG	AG-104	PVC PIPE 1"
AG-27	T FITTING (1/2" BARB)	AG-105	PVC 1/2" SLIP TO SLIP
AG-28	Y FITTING (1/2" BARB)	AG-106	COPPER PIPE 1/2" (6" LONG)
AG-29	PAINT (PAINT/ANTIQUÉ)	AG-107	PVC REDUCER 3/4" TO 1/2"
AG-30	PAINT	AG-108	PVC 1/2" BALL VALVE
AG-31	ANTIQUÉ	AG-111	PVC 1/2" SLIP FITTING
AG-36	ELBOW (1/2" SLIP)	AG-112	PVC 1 1/2" PIPE
AG-38	GROMMET	AG-113	PVC 1 1/2" SLIP T
AG-41	ELBOW (1/2" BARB)	AG-114	PVC 1 1/2" SLIP/TREAD 1/2"
AG-42	THREAD 1/2" TO BARB 1/2"	AG-115	PVC 1/2" TREAD TO TREAD
AG-53	PVC 1/2" SLIP T		

For replacement parts, contact our customer service department at **909-424-0221**.

8 am – 4:30 pm PST, Monday through Friday.

## LIMITED WARRANTY

Al's Garden Art offers a one (1) year manufacturers warranty extended through its dealer network. Please visit our website (support) at [www.alsgardenart.com](http://www.alsgardenart.com).

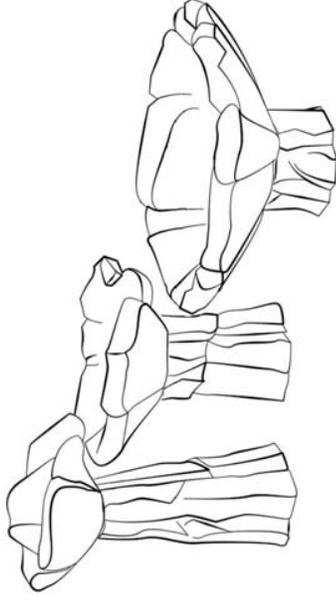
For warranty issues you may contact Al's Garden Art direct via e-mail at [info@alsgardenart.com](mailto:info@alsgardenart.com). Proof of purchase is required and images may determine cause.

# ASSEMBLY INSTRUCTIONS

## CASCADE STYLE FOUNTAINS

(self-contained water feature)

**Models: CA-3, 281-F, 2040-F**



## Questions, problems, missing parts?

Before returning to your retailer, contact our customer service department at **909 424-0221**  
8 am – 4:30 pm, PST, Monday - Friday, or e-mail us at [info@alsgardenart.com](mailto:info@alsgardenart.com)

## AL'S GARDEN ART

Manufacturers of cast stone fountains and statuary since 1949, family owned and operated with more than half a century of skill and passion for creating top quality cast stone art.



**QUALITY SET IN STONE**

P.O. Box 111 • Colton, CA 92324

[www.alsgardenart.com](http://www.alsgardenart.com)

## ⚠ WARNINGS AND CAUTIONS

• Concrete by nature absorbs moisture and in cold climates, this can have adverse effects on concrete. Concrete left standing in water, not properly covered or protected can during freezing temperatures pit, crumble, or in some cases even crack concrete.

• **Never allow water collected in any fountain to freeze**

• Risk of electrical shock. Pumps are supplied with a grounding conductor and grounding-type attachment plug. To reduce the risk of electric shock, be certain that it is connected only to a properly grounded, grounding-type receptacle (GFI).

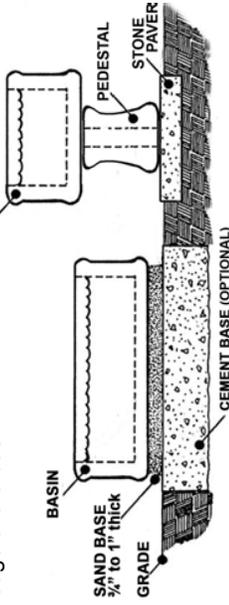
Note: Pumps are sold separately as some dealers' source their own line of pumps. Inquire with your dealer if AI's Garden Art supplied the pump included.

• **EXCESSIVE WEIGHT OR PRESSURE ON THE FOUNTAIN MAY CAUSE IT TO FALL. KEEP CHILDREN AND OTHERS FROM CLIMBING, SITTING, OR LEANING ON THE FOUNTAIN AND ITS COMPONENTS.** Most fountains have no interlocking component parts. The fountain components are held together by gravity only.

## PREPARATION

Before beginning assembly, please consider the location and the landscaping around it. Debris such as leaves from nearby trees could clog the pump and dirty the water. In addition, plants should be tolerant to excess water. Placement of the fountain is the sole responsibility of the purchaser.

• Basins must be placed on a soft surface like sand or gravel. If a basin is placed on a hard surface like concrete or tile, a ¾" to 1" layer of sand must be applied over the surface. This will help with leveling by allowing the basin to settle and be completely supported, reducing the risk of possible stress fractures caused by the added weight of water and fountain components inside the basin. Apply "Dry-pack" grout around the perimeter of the basin to prevent sand from migrating outward from beneath the edge of the basin.



• Pedestals must be placed on a solid surface. Most pedestals are hollow to allow electrical or plumbing to travel through the pedestal. To prevent pedestals from becoming unstable we suggest a solid stone block or paver whenever a pedestal is placed on a soft surface like dirt or grass.

## ASSEMBLY INSTRUCTIONS

Prior to assembly please review the section headed "PREPARATION" (bottom-left of this sheet) regarding placement of pedestals and basins. Figure 1 illustrates a pedestal type fountain which pedestals require solid level surface. The Flagstone Fountain (model 281-F) illustrated in figure 2 includes a basin which must be placed a soft surface like ¾" or 1" of sand or gravel.

1. Continuing with Figure 1, place the short pedestal according to pedestal placement recommendations.

2. Position the minimum 1,200 GPH pump as shown near the hole or cavity cast in the largest bowl or basin and drape the power cord over the bowl or basin's edge. Connect AG-23 (THREAD ½" SLIP ELBOW) and AG-22 (PIPE - FEMALE HOSE) with the pumps output attachment\* pointed upwards. Firmly connect 6" piece of AG-24 (PVC PIPE ½") to one end of the AG-08 (1" OD VINYL TUBING). Feed the tubing with the AG-24 (PVC PIPE ½") first, through the hole cast in the basin from the outside in and make a hand tight connection with the AG-23 (THREAD ½" SLIP ELBOW) already connected to the pump.

\* Included with model ADP Pump.

3. Reposition the pump assembly so that the 6" piece of AG-24 (PVC PIPE ½") centers through the hole in the bowl and use AG-15 (PERMA GUM) to create a water-tight seal around the pipe and the hole cast in the bowl.

• Note that some cascade-style fountain configurations allow the plumbing to drape over bowl or basins eliminating the use of AG-15.

4. Place the next medium pedestal according to preparation keeping in mind that the lip of the bowl to be placed on top is positioned over the lower bowl or basin. Once set in place drape the vinyl tubing (AG-08) over the cavity cast in the top of the pedestal using caution not to break the seal created in step 3.

5. Place the medium or next largest bowl on top of the pedestal making sure the lip of the bowl edges over the larger bowl or basin. In some cases, the bowl with lip might have to be tilted forward to prevent water from clinging the bottom of the lip and potentially drain away from the fountain. We recommend the use of shims or (AG-16) Wobble Wedges (not included)

• Note that some cascade-style fountain configurations may have additional tiers in which case steps 4 and 5 should be repeated.

6. Place the last (tallest) pedestal, same as the previous pedestals, keeping in mind that the lip of the small bowl (7) should overlap the next-to-last bowl. Refer to the previous step for details.

7. Place the smallest bowl on top of the tallest pedestal as done in step 5.

8. With the small bowl in place measure the vinyl tubing to the AG-24 (PVC PIPE ½") cast in the small bowl and cut vinyl tubing to length. Slide vinyl tubing over the PVC pipe and make a hand tight connection.

9. Place the finial (9) inside the small bowl to prevent the pumps pressure from shooting water up and out side the small bowl.

10. Place the pump cover over the pump.

11. Fill fountain with water and plug pump into a properly grounded GFI 110V receptacle. Do not attempt to operate without a proper ground. Many pump manufacturers void their warranty if the plug (or ground) is removed from the pumps power cord.

Fig. 1

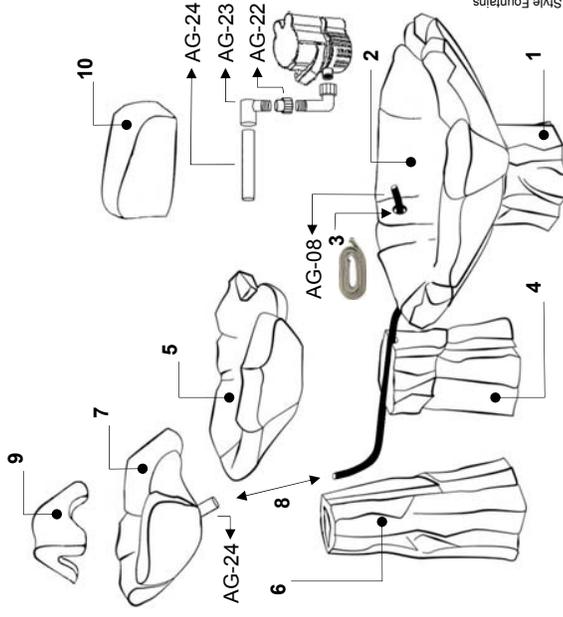


Fig. 2

