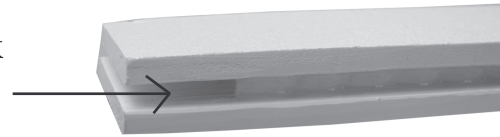


Owners Guide to Caring for your Water Feature

For a perfect sheet like flow debris must be kept out of the lip area. If the water flow becomes broken, chances are some type of debris is lodged in the front of the lip area. Simply use the enclosed rock pick or a credit card and slide it across the front of the fall. Be careful to avoid hitting the support ribs that are set 3/4" back from the lip opening. Ribs must be kept straight and in place for appropriate flow.

Ribs are set 3/4" back from front of fall.



For Metal Units- Our stainless steel units are made with the highest grade of pure metal available. To keep debris from settling on the lip area, the waterfalls should be wiped down with a clean cloth periodically. When minerals or chemicals settle onto the unit, after a period of time surface rust may develop. If this occurs a scotch bright pad can be used to rub it off; (softer/red version of scotch bright pad is preferred- do not use steel wool). It is important to use long, even, single strokes, parallel to the lip. Scratching may occur. This process may dull the finish, leaving a pewter type look. It will not compromise the quality of the metal. As with any metal the results of polishing will create a variety of effects based on the grade of the material/cloth used and the amount of pressure applied.

Copper or brass waterfalls are made with pure, high quality metal. It is the natural process for these metals to patina, or change surface colors over time. You may see browns, greens, blue or even purple colors in a variety of patterns. This distinctive look will continue to change over time. If you should choose to keep the brushed metal look, (no patination) you can do so by using a scotch bright pad (softer/red version preferred- do not use steel wool) It is important to use long, even, single strokes, parallel to the lip. Scratching may occur. It will not compromise the quality of the metal. As with any metal the results of polishing will create a variety of effects based on the grade of the material/cloth used and the amount of pressure applied.

Your waterfall is designed with little to no maintenance in mind. It is our hope that you enjoy the soothing sounds and find it's shimmering water playful and inviting.

Please visit our website www.oreqcorp.com to see our complete line of high quality pool care products and chemicals.

Your pool can provide beauty, relaxation, fun, and health. Remember to always use your swimming pool safely.

Never leave children unattended, not even for a moment.

Thank You
from

Custom
Cascade
www.oreqcorp.com



Custom Cascade Waterfall Installation and Care Guide for Plastic and Metal Waterfall Manifolds

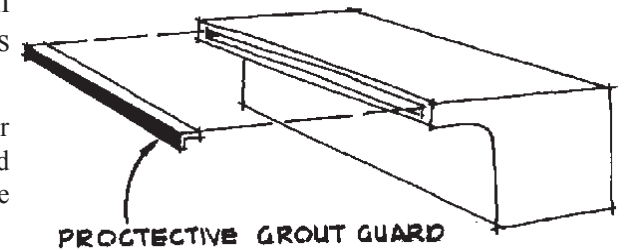
READ THIS FIRST!

The following instructions will help you make a trouble-free installation of the Custom Cascades Waterfall. Installation must be made according to manufacturer's recommendations for warranty to be valid.

Care guide is provided to give guidelines for maintenance of the waterfall.

IMPORTANT! PLASTIC Falls should be kept from direct sunlight! Do not remove protective grout guard from PLASTIC Falls until installation is complete. For S/S Falls cover lip with masking tape.

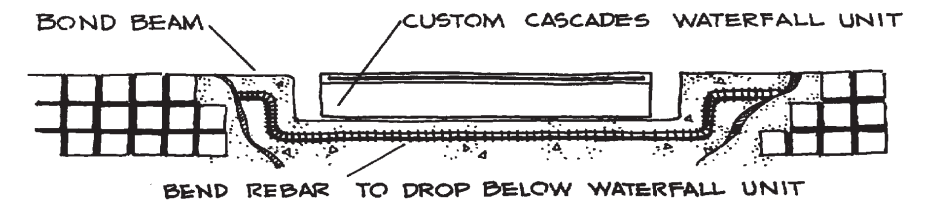
Before you begin- KNOW the appropriate GPM requirements for your specific water feature. Calculate in head loss, pump sizing and plumbing to meet these requirements. Remember, more water with a valve is better than not enough.



STEP 1.

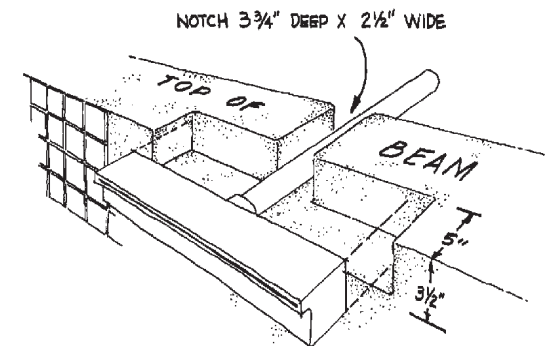
NOTCHING THE BOND BEAM

A. Select the desired location for installation. Bend steel reinforcement to allow for installation of the waterfall manifold.

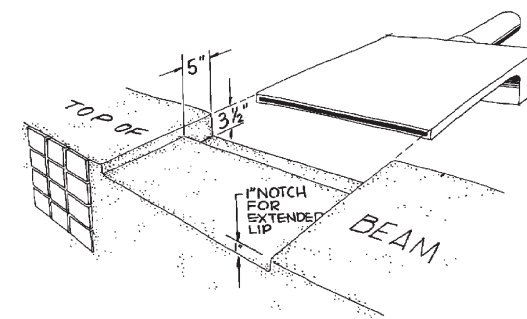


B. Mark a channel for the plumbing to the waterfall: Before concrete hardens, a notch must be cut into the bond beam where the steel reinforcement has been offset to clear bottom of manifold.

First, mark the notch in the front side of the bond beam to be cut 3 3/4" deep. Cut the notch for the manifold 2" longer than the length of the waterfall to be installed and allow a maximum of 5" in the notch for the manifold and lip. Complete concrete work.



1. For standard waterfall manifolds with a single PVC connection on the back: Mark and cut one slot in the center of the bond beam 3 3/4" deep and 2 1/2" wide extending through the entire bond beam.
2. For standard waterfall manifolds with two or more connections on the back:



Hold manifold in position over the bond beam and mark location of each inlet. Cut slots to size as described above. Installation for extended or radius cut waterfall manifolds is simpler than single or double inlets. Mark notch for the manifold on the backside of the bond beam and follow the same directions as (1) and (2), above.

Cutting the lip for radius installation of plastic extended lip waterfall.

The plastic extended lip manifold can be cut to form convex or concave curves. To custom fit your waterfall, determine the amount of the extended lip you wish to remove and mark with pencil. Remember to leave enough lip to allow for mortar and tile. When cutting a radius the remaining lip must **not** be less than 1.5" in length from the body of the fall at any point.

Before cutting the waterfall, remove the protective tongue from the lip. Cut the extended lip with a coarse tooth sabre saw. Make your cut as smoothly and quickly as possible to avoid a rough edge and melting. After completing the cut, grab the rib sections with rib tool provided with waterfall and by carefully rocking from side to side break off 1/2" to 1" of rib sections. This will allow the water to rejoin into a sheet. Remove the loose rib sections from the waterfall lip. Smooth the surface with a sanding block and a coarse grade of sandpaper, then finish with a fine grade sandpaper. Replace the protective grout guard into the lip.

WARNING!

Radius cuts other than those manufactured by Custom Cascades will void any and all product warranties. Custom Cascades does not recommend that user cut radius or any other such cut. Custom Cascades has available both concave and convex radius cuts. For further information on waterfall customizing, contact Custom Cascades.

STEP 2.

SETTING WATERFALL MANIFOLD IN PLACE

A. Connect a 1 1/2" coupling and a length of standard 1 1/2" schedule 40 PVC piping approximately twelve (12") inches long (to extend beyond back of bond beam) and glue into slip joint inlet on the back of the waterfall manifold. This will allow you to complete mortar set now and complete plumbing later.

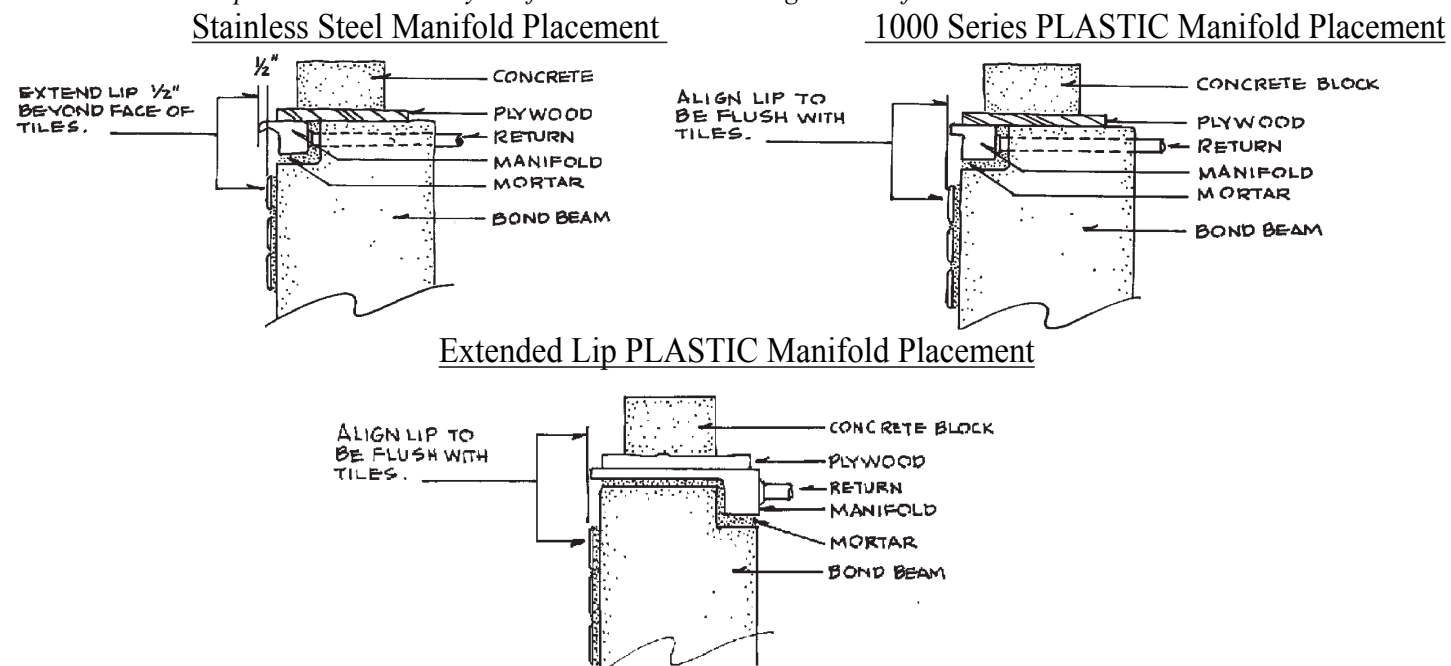
B. Set manifold in place with mortar, MORTAR BACK AND BOTTOM ONLY.

IMPORTANT: Adjust front of lip to desired position of finished wall inside pool.

C. Level waterfall manifold.

D. To help secure the waterfall in position until concrete is dry, cover finished setting with one-half (1/2") inch or three-quarters (3/4") inch plywood. Place bricks or a cinder block on top of the plywood to distribute weight evenly over the waterfall manifold and the bond beam. Keep the waterfall covered to protect it from heat or direct sun light as this may warp the PLASTIC.

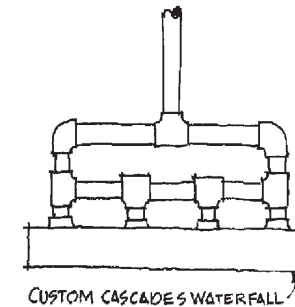
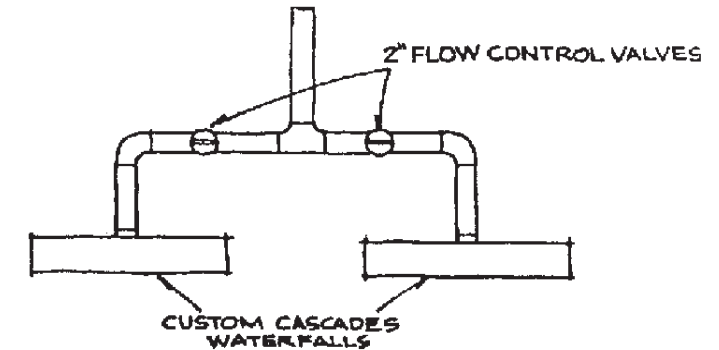
**IMPORTANT: This procedure must always be followed when installing all waterfalls.*



STEP 3.

PLUMBING

Plumbing multiple units – Plumbing two or more units together is done using the same procedure as for a single unit waterfall, above. The exception is the addition of a two-way valve for each waterfall unit to be installed. The use of multiple valves allows the flow rate to be balanced for each unit. Valves should be positioned near the bond beam in a standard covered deck box for easy accessibility. When installing two or more units, it is recommended that the same models are used.



Plumbing with 3 or more inlets is done by using a loop configuration.

FREEZE PROTECTION can be achieved by plumbing the unit so water drains easily from the system. For winterizing, blow lines and follow normal procedure.

Plumbing line must be blown clean of debris BEFORE attaching water feature.

Water supply to manifold MUST be filtered between pump and water feature.

STEP 4.

FINISHING

Install coping – remove protective plywood cover and install mortar, coping (brick, etc.). When plastering pool, double check to make sure protective grout guard is in place so that no plaster will get inside the waterfall lip. After all concrete, plaster and grout work are completed you may remove the protective lip guard from the lip of the manifold.

Be sure no debris is lodged in the opening of the waterfall. To clean the opening, use a credit card or similar object and gently slide it along the opening while the waterfall is on. Do not use sharp edged objects (i.e., hacksaw blades, knives, etc.). The misuse of such objects can affect the waterfall performance. When you reach the obstruction, gently pull it outward through the opening.

Adjust the valve(s) for desired effect. When more than one waterfall has been installed, adjust each valve until proper effect and balance are accomplished.

WARRANTY: It is Oreq policy to replace or credit our customer for defective parts returned due to workmanship or material failure during the first year of sale. Prior factory approval is required for returns, along with original receipt. Failure to follow manufacture recommended instructions for installation and or care voids all warranty. Oreq Corporation is not responsible for cost of removal of product or installation of replacement unit. Oreq is not responsible for shipping to or from facility or damage done by shipper.

WARNING: Improper chemical balance of pool water may cause corrosive conditions for metal water features. Oreq will not warranty products exposed to such water conditions or salt chlorine generators.