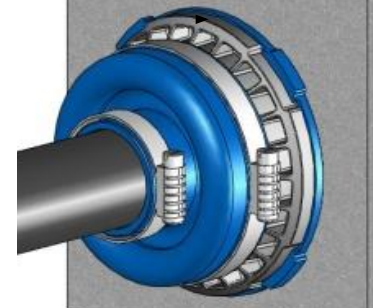


Background

BlueLine “KwikFit” sump entry fittings (obsolete) were designed with double pellethane material boots over glass-filled nylon housings secured to the sump wall by stainless steel bolts that provided a compression seal. A single hole cut in the sump wall allowed for the installation. The inside sump boot fits over a 3.5” (sm), 5.5” (med), or 7.5” (lrg) diameter housing cuff. The housing usually was installed with a pellethane material gasket with sealant between the gasket and sump wall. If installed correctly, the 3/8” “hex” head of the bolts is accessible from the inside of the sump.



Tools & Materials

The following tools/materials are suggested for this repair:

- * Hook Blade Cutting Tool (Linoleum Knife)
- * 40/60 Grit Sandpaper/Sanding Block or Grinding Tool
- * Scraping Tool
- * 5/16” Hand Driver & 3/8” T-Handle Hex Wrench
- * Acetone or Isopropyl Alcohol
- * Cleaning Rags
- * Icon FastFoam Instant Water Block – [IAC FFOam50](#)
- * Icon FastFuse Split Fitting Bonding Solvent – [IAC FastFuse](#)
- * Icon FastFill Rapid Setting Fitting Filler – [IAC FastFill](#)
- * Icon Dispensing Guns: [IAC MGun20](#), [IAC MGun50](#)
- * Icon Split-Repair Fitting Part (IRF BLKFD*.*)



Tool Examples

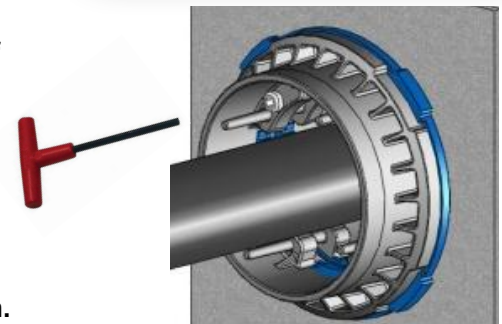
Active Water Intrusion?

If there is an active water leak through the fitting or elsewhere in the sump, the water intrusion must be stopped before a repair can proceed. There are several options. (1) pump down the water table level; (2) wait for any seasonal or periodic drop in water table; or (3) treat the water leak with *Icon FastFoam* instant water block. *FastFoam* can be applied through the existing fitting or elsewhere prior to removal of any material. Reference *FastFoam* instruction and video. 50ml, 215ml, and 600ml volume cartridge sizes are available.



STEP 1 Preparation for Repair

Remove the existing band clamps and cut off the existing plastic boot. Using the same cutting tool, remove as much of the gasket material from behind the housing as possible. Then scrape, sand, or grind off any old sealant around the edge of the housing and sump wall. Afterwards, clean the surface around the fitting housing, the cuff, and the pipe surface in front of the cuff completely with acetone or isopropyl alcohol. Remove all loose material that would interfere with the remaining steps. If accessible, tighten the hex bolts inside the housing with a 3/8” T-handle Hex wrench.



STEP 2 FastFoam Application

If not already applied, inject a 50ml cartridge of *Icon FastFoam* between the fitting housing and pipe into the exterior part of the housing/boot. A minute later you can remove and clean away any excess foam that has filled back into the inside housing. The foam will serve as a water block, and as a dam stop for the fitting filler that may be used later.



**STEP 3
Housing
Bonding**

There is always a potential of a leak at the housing seal. It is recommended that you bond/seal the housing to the sump wall. Surface preparation should have been completed already as described earlier. Make sure that the surface is dry, sanded, and clean before applying any bonder.

If the sump is fiberglass, use *Icon iBond* bonder, which has a 30 min. cure time (IAC IBond50 & IAC MGun50). If the sump is polyethylene, use *Icon PolyFuse* bonder with a 6 hr. cure time (IAC PFuse50 & IAC PFGun50).

Dispense a thick bead of the bonder around the entire seam to fill any void and smooth around with your finger to finish it. Let cure while any remaining steps are completed. This may also be the very first step.



**STEP 4
Split-Fitting
Bonding**

Use the correct Icon repair fitting part that matches the pipe OD and cuff dimensions:

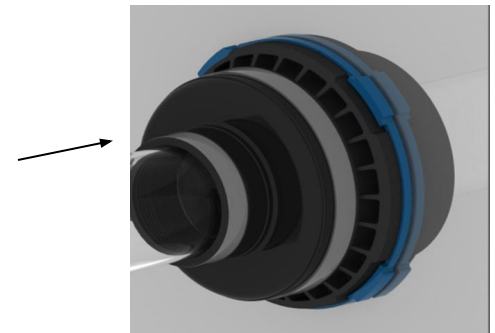
- ISR 3.5x*. * (match to pipe OD spec.) for Small Housing
- ISR 5.5x*. * (match to pipe OD spec.) for Medium Housing
- ISR 7.5x*. * (match to pipe OD spec.) for Large Housing

Clean and prime the split surfaces of the Icon repair fitting with acetone or isopropyl alcohol. While wrapped around the pipe, apply a liberal coating of *Icon FastFuse* to the split surfaces. Within 20 seconds, align and hold the split surfaces together for 2 minutes without movement. Afterwards, allow the fitting to hang in place on the pipe or cuff with the split at the bottom, and let cure for a minimum of 1 hour without any handling.



**STEP 5
Assembly**

After the 1 hour cure time, secure the fitting onto the cuff. If the fitting is a “filled” design, make sure to rotate the fill tubes to the 12:00 position. If there is a reducing insert needed, then apply *Icon FastFuse* liberally around the insert and in the split, and push the insert into the mouth of the fitting just prior to placing the fitting onto the cuff. No cure time is required for the insert bonding. Make sure that the insert and fitting are fitted and positioned properly, and then install and tighten the band clamps to 50-60 in lb around the cuff and pipe area.



**STEP 6
Optional
Fitting Fill**

If filling the fitting, the fill specification is *Icon FastFill*, a two-part, rapid-setting polyurea rubber. Using the *IAC MGun20 - Manual Dispensing Gun* or *IAC PGun20 - Pneumatic Dispensing Gun*, evenly inject the fill into one of the tubes until the fill begins to exit the vent tube. At that point clamp off the vent tube. Continue to pump a little more into the fill tube and quickly clamp off the fill tube. In 15 minutes you may remove the clamps, and the installation is complete and ready for testing.

