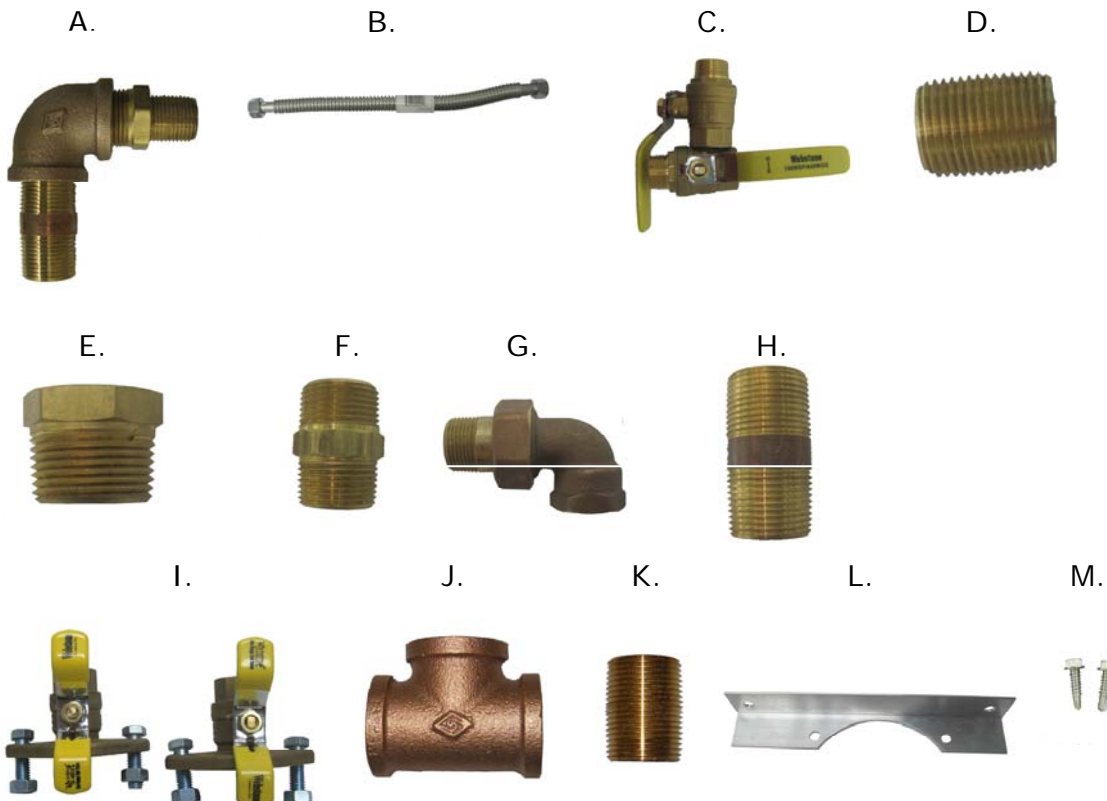


DX No Sweat Kit instructions

The "No Sweat Kit" is intended to be used in conjunction with the AET's DB-10-10XC and DB-15-15XC on a 120 or 80 gallon OST (American Water Heater) top or side connect tank.

List of components:

- A. One HX out assembly (**12BCN, 3412BPA, 3490BE and 34X25BN**)
- B. Three **CC-34X18FF** Stainless steel flex connects
- C. Two **BV-75MXF** ¾ male X female ball valves
- D. One **12BCN** ½" brass close nipple
- E. One **3412BPA** ¾" X ½" brass adapter
- F. Two **34BHN** Hex brass nipple
- G. One **34FIPXMIP** unionized brass female X male NPT 90
- H. One **34X25BN** ¾"x2.5" brass nipple
- I. Two each of **IFS-75** ¾" Webstone Isolation Flange
- J. One Brass Tee **34BT**
- K. One ¾" Brass Close Nipple **34BCN**
- L. One **PBRK-F** pump bracket for Taco 009
- M. Two Stainless steel self tapping screws





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1. Assemble the tank stand that comes with the Drainback reservoir. (Directions are attached to the stand.)
2. Apply Teflon tape to all of the male threads on all the components and the dielectric nipples at the top of the storage tank.
3. Apply thread compound to the female pipe threads on the Drainback tank and the components.
4. Install the No Sweat components in proper orifices of the Drainback tank.
 - A. The HX out Assembly is installed. (fig 1) D. & E. the 1/2" nipple and 1/2" to 3/4" adapter go to the HX inlet. One of the F. brass hex nipples goes to the Drainback tank outlet. (fig.2)



Fig 1



Fig 2

5. Install the sight glass fittings and pressure relief valve in the appropriate location. (Those fittings are standard with the Drainback tank, not part of this additional kit)



6. Install the other hex nipple (F.) in the outlet side of the 003 taco stainless steel pump. The inlet gets the male side of the unionized brass 90 (G.) **Tip:** the male side of (G.) has two spines on the inside that accept a special tool for tightening. If that tool is not available, a flat piece of steel and an adjustable wrench will work. The handle you will discard in step 9. works well for tightening this part. **Note:** always use Teflon tape and thread compound.



7. Remove the nut that holds the handle in place on the male X female ball valves (C.) and flip the handle then reinstall the nut. Do this to both ball valves. *Note: the stops do not work properly after this step but this is necessary for installation. Some installers will leave the handles off to prevent curious home owners from tampering with the system.*
8. After installing the dip tubes that come with the American Water Heater in the proper locations (see chart) tighten the ball valves to the dielectric nipples on the front two top connects (TO SOLAR and FROM SOLAR) of the storage tank. Then install the female part of part (G.) to the ball valve on the TO SOLAR, front left. This will allow you to attach the 003 Taco pump to the storage tank.
9. The isolation flanges (I.) come with two sets of handles remove the stock straight handle and install the tee style handle. **Note:** *the straight handle will no longer be needed.*
10. On one isolation flange install a 2" brass nipple (H.). On the other install the bottom fill drain assembly. It is the brass tee, close nipple and boiler drain. **NOTE:** *the boiler drain comes with the drainback tank and stand.*
11. Remove the four bolts from the 009 Taco pump and turn the pump motor so the electrical connection cover is facing out. Now the arrow on the volute should be pointing down as in the picture below.
12. As you replace the bolts that hold the motor to the pump volute install the pump mounting bracket as shown. **Note:** *Do not over tighten the bolts and use a cross-cross pattern. Wrist tight with a nut driver is plenty. Also, make sure the rubber gasket stays properly aligned.*
13. With all the parts assembled as shown here and above you are ready to go to the job site.



14. With the tank in place or at least close to the final location attach the 009 pump to the side of the tank with the self tapping screws included in the kit.
15. Now attach the 003 pump to the union at the top of the tank.
16. Set the stand on top of the tank and place the drainback tank in place.
17. Finally install the stainless steel flex connects to the proper locations. Note it makes for a much cleaner installation if you use un-split insulation and install it before you make the final connections. Where this is not possible use quality insulation glue and a sharp knife to miter ends.



Dip Tube Placement Chart in American Water Heater Solar Tank

