

INSTRUCTION TO INSTALL HYDRO INTAKE BOX

- Before installing box, take a short length (8 -12 feet) of 2" (3") pipe and insert it into the hole at the rear of the spring box. The tight fit may require that you heat the outside of the pipe with a torch before sliding it in. do not overheat or allow the pipe to crinkle. Once the pipe is in, place a clamp about 3 inches from the end and tighten. Be sure the pipe has cooled, retighten before pulling on the pipe.
- Heat the other end of the pipe and attach the male side of the cam lock coupling.
- Now, slide the stainless screen in from the back of the hole and fasten it down with the two wooden strips.
- Using a stable part of the creek, anchor the box with survey stakes or cement. The box should be almost horizontal with a slope of less than 1/2 inch over its length.
- Use wood, rocks or cement to channel the water into the flute, and to armour the banks around and below the box. Failing to armour below the box will cause the box to be washed out.
- Seal the sides and the bottom of the entrance with clay and check that all the water is going into the box.
- The box should be installed with very little slope (1/8 inch per foot over its length), so that the debris is floated over the screen.
- When box is secure, connect it to the pipe line with the camlock or rubber connector.
- Make a small hole (1/8-1/16") in the top side of the pipe 15-20' below the intake box. Leave this hole open to allow air to escape. When the pipe is full, a small amount of water will come out the hole. If the pipe has very little fall, you may need to make the hole further down the pipe. If there is a vacuum rather than pressure at the hole, close it with a metal screw and make the hole further down.
- Anchor the pipe within the first hundred feet and along the rest of its length with wire clamps and stakes.

HYDRO INDUCTION POWER

PO Box 1936, Redway, CA 95560, 707-923-3507, hipower@asis.com, www.homehydro.com