



## Corrosion Coupon Racks

Corrosion coupons are widely used to measure the corrosivity of water in the absence of Heat Transfer (Weight Loss Method). Although this test method is intended to determine the corrosivity of water (for example, for evaluating the effects of corrosion inhibitors on the corrosivity of water.), it is equally useful for determining corrosiveness and corrosion rate of materials. Examples of systems in which this method may be used include but are not limited to open recirculating cooling water and closed chilled and hydronic heating systems.

As indicated by standard test method ASTM D 2688 – 05 the following dimensions for corrosion coupons must be considered:

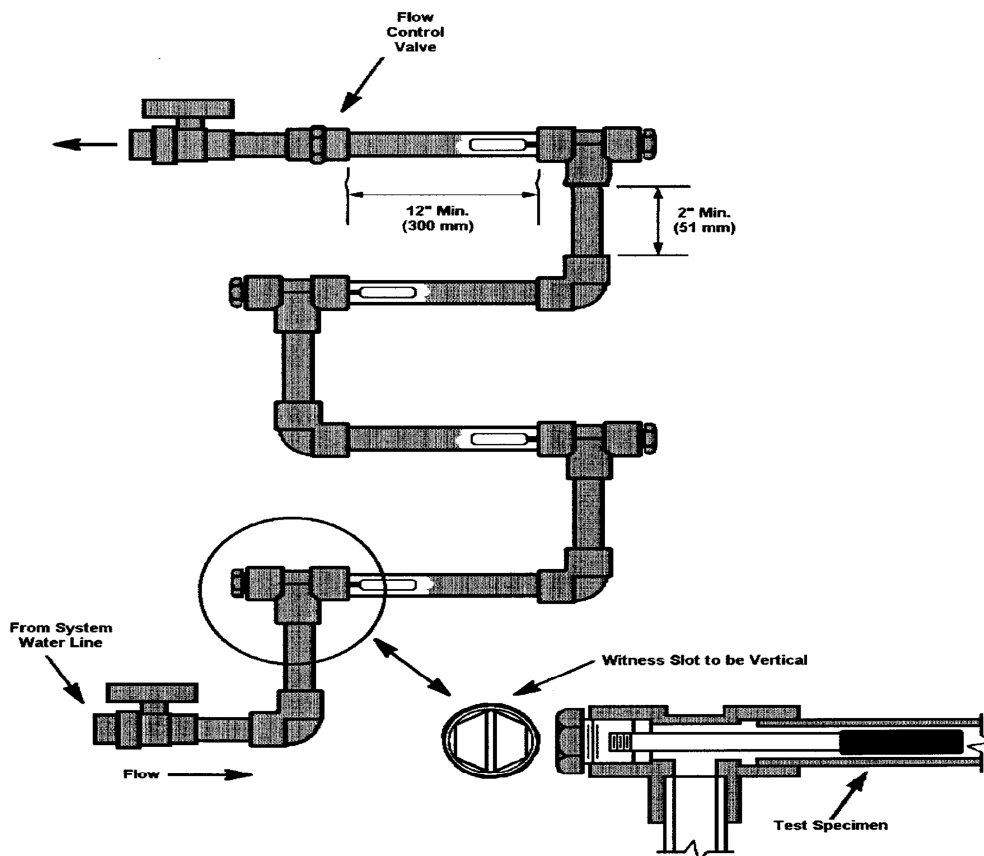


FIG. 1 Installation of Corrosion Coupons (Source: ASTM D 2688-05)

**Specimen Mounting Plug (Coupon Holder):** Use a 152-mm (6-in.) length of 9.5-mm (0.375-in.) outside diameter PVC, CPVC, or TFE fluorocarbon rod, or equivalent, attached at one end to a drilled PVC, CPVC, or malleable iron pipe plug, and having a flat surface and a hole at the other end suitable for attachment of the test specimen.

Note: ASTM D 2688-05 or other standard methods must be referred for practical applications as this document is aimed to remind the standard dimension of coupon racks and doesn't include all details.