

COLLECTING SAMPLE FROM IN-PLACE SAMPLE VALVE

When clamped directly to a tank or pipe containing liquid, a gasket bridges the gap between flanges and prevents leaks. In these cases, it is necessary to sterilize the sample valve in place following the series of steps below.

REQUIRED EQUIPMENT

Stainless steel sample valve	70% isopropyl alcohol spray bottle	Waste container
Sterile swabs or nylon brush	Butane torch	> 200ml sterile flask or Whirl-Pak

I. Prepare the Sample Valve

-Spray both the inside and the outside of the valve outlet with 70% isopropyl alcohol



-Submerge either a sterile swab or nylon pipe brush in 70% isopropyl alcohol and scrub the inner surface of the valve outlet to loosen or dislodge any dried material

-Spray 70% isopropyl alcohol on both the inside and outside of the valve outlet

-Briefly ignite the valve outlet and allow to flame extinguish

NOTE: Continuing to apply heat may damage the metal or gasket and/or cause liquid inside the flange to bake onto the metal.

-Allow the valve to cool

-Spray 70% isopropyl alcohol on both the inside and outside of the valve outlet again

-Flame the valve again

-Allow it to cool.

II. Clear the Sample Valve

-With a waste container positioned below the valve outlet, open the valve all the way and allow product to flow out for 5-10 seconds



-Close the valve, being careful not to touch the outlet, and put the waste container aside.

III. Collect the Sterile Sample

-Pick up the container in which the sterile sample will be collected



-If using a capped flask, bottle, or jar, remove the lid and hold it in a way that prevents it from touching anything that could contaminate it

NOTE: DO NOT place the lid down on a nearby surface.

-If using a Whirl-Pak, carefully remove the perforated tab and spread its top open, being careful not to touch the rim

-Open the valve and collect the sterile sample, being careful not to touch the valve with the container

-Close the valve

-Close or re-seal the sterile sample container and set it aside

-Rinse the sample valve with water to clean from product residues

-Spray the sample valve inside and outside again with 70% isopropyl alcohol, flushing out all liquid

-As before, briefly ignite the valve one last time and leave it closed.

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