

Measuring Wine Bottle Head Pressure with a Vacuum Gauge & Needle

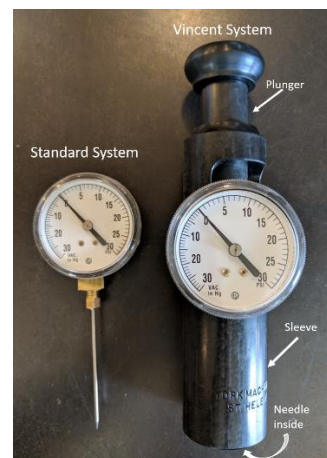
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Why Measure Head Pressure in your Wine Bottle

Measuring head pressure in the wine bottle is a part of the Quality Assurance checks on wine before it goes to the customer. A properly bottled non-sparkling wine should have an ideal head pressure of zero, while a sparkling wine will have a positive PSI reading. These bottle vacuum testing systems allow you to test the pressure through the cork. Our needles can pierce through screw caps, regular cork and champagne corks. Our needles CANNOT pierce crown caps.

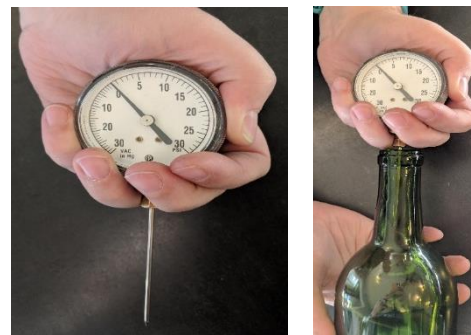
How Does it Work?

- Both of our systems work with our custom 30inHg (Vacuum) to +30PSI (Pressure). These are NOT ISO certified.
- If you require an ISO certified gauge please inquire with your vendor.
- These systems work by plunging the needle through the cork or cap and into the air space between the liquid and the cork/cap.
- Check to make sure the needle is not entering the liquid, as this can clog the gauge over time



How to use a Standard System

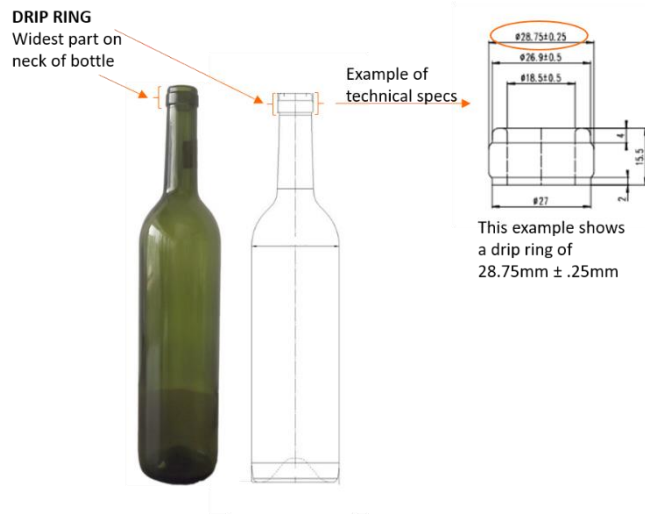
- Simply consists of a gauge attached directly to a needle.
- Works by palming the gauge in your hand and pushing the needle in.
- This system is intended for occasional use.
- Constant use can result in increased user error and shorter lifespan of the gauge and needles



How to use a Vincent System

- This system is a workhorse for those who need to test pressure in bottles all day. This system allows for less user error, and lengthens the life of the needles and gauges thereby saving you money over time.
- Two part Kit – sleeve that slides over the neck of the bottle, and a plunger with gauge and needle attached.
 - The sleeve guides the needle into the center of the cork every time.

- The sleeve also provides some protection for your fingers from the needle and accidental pokes. (If your company requires additional safety/OSHA features, inquire about the SAFETY VINCENT KIT)
- Off the shelf the sleeve has clearance for bottles with drip rings up to 29.5mm. If you need a larger size, these can be bored out to custom specs for drip ring diameters up to 42mm.
 - Measure the diameter with a pair of calipers in millimeters. Or look up on your bottle glass technical drawing



Re-Setting the Zero on the Gauges

- Alternately suck and blow on the needle or gauge post and take note if there is pointer movement in both pressure and vacuum directions. If no movement is noted or it is only in one direction the gauge must be replaced.
- If gauge functions as described above you can reset to zero as follows:
 - Remove gauge lens by rotating it counterclockwise a partial turn, unlocking it, then pull it off.
 - Holding the slotted pointer hub stationary with a small screwdriver, push the **TAIL** of the pointer so the pointer is at zero. *DO NOT attempt to reset the pointer by pushing the pointed end, as it will be bend.* Remove the screwdriver and note if the pointer is at zero. If not, repeat procedure.
 - Occasionally, in manipulating the pointer, it may become bent and drag on the gauge face. This can result in inaccurate readings and sluggish action. If you notice this bend the pointer back up slightly so it does not drag.
 - Replace lens and lock it back in place by rotating it clockwise.