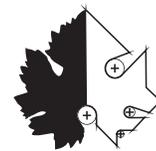


Head Space Pressure Testing Guide by MUST.



Why Measure Head Pressure in your Wine Bottle?

Measuring head pressure in the wine bottle is 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 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 - we can get you set up.
- These systems work by plunging the needle through the cork or cap and into the air space between the liquid and 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 Kit

- 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
- Consistent use can result in increase user error and shorted lifespan of the gauge and needles.



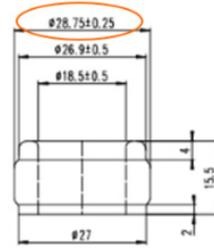
How to use a Safety Kit

- This system is a workhorse for those who need to test pressure in bottles all day. The kit of choice of most mobile bottlers. This kit 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 inot the cent of the cork every time.*
- Sleeve provides some protection for your fingers and accidental pokes. Does your company require extra safety/OSHA requirements? Contact us for details of safety features.
- We stock several sizes that have clearance for bottles with drip rings ups to 29.5mm, 31mm, 33mm and 35mm. *If you need a larger or custom size we can bore this sytem to custom specs up to 42mm.*
- Measure the diameter of your dripping with a pair of calipers or look up on your bottle glass technical drawing.

DRIP RING
Widest part on
neck of bottle



Example of
technical specs



This example shows
a drip ring of
28.75mm \pm .25mm



Re-Setting the Zero on our Standard and Safety Gauges

1) Check for Function

Alternately suck and blow on the gauge post and take note if there is pointer movement in both pressure and vacuum directions.

- If **no** movement is noted or movement is only in one direction the gauge must be replaced.
- If needle moves in both directions follow instructions below.

2) Reset Zero on Functioning Gauge

1. Remove gauge lens by rotating it counterclockwise a partial turn, unlocking it, then pull it off.
2. Holding the slotted pointed hub stationery 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 bend. Remove the screwdriver and note if the pointed is at zero. If not, repeat until properly aligned.
3. 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 carefully bend the pointed back up slightly so it does not drag.
4. Replace lens and lock it back in place by rotating it clockwise.



Gauge is off zero



While holding post still, push back of
needle until tip is pointing to zero

Push rear of needle

watch arrow tip



Twist lens counter-clockwise and pull
off front

(4) little teeth hold the
lense, not threaded.



Use screwdriver to hold post still



Replace lense