

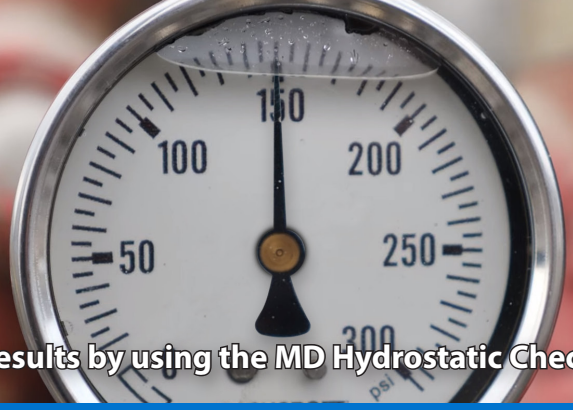


McWANE  
DUCTILE

IRON STRONG

# HYDROSTATIC PRESSURE TESTING CHECKLIST

Avoid negative results by using the MD Hydrostatic Checklist



## BENEFITS OF PREPARING FOR A HYDROSTATIC PRESSURE TEST

- Hydrostatic testing can cost contractors tens of thousands of dollars if not done properly.
- Eliminate common testing frustrations with the MD Hydrostatic Checklist.
- Trapped air in a water line leads to false negative results. Avoid negative results by using the MD Hydrostatic Checklist.

## TEST PREPARATION

### 1 TEST PUMP LOCATION & GAUGE

- Connect the pump at the low point.
- Connect a valve between the pump and the test section so the pump will be isolated during the test.
- Make sure the pump has been properly primed prior to connection.
- Ensure the pressure gauge is in good working condition.
- Install the gauge on the pipe side of the valve – not to the pump.



### 2 FILLING THE LINE

- Fill the line slowly.
- Fill from the lowest location.
- Ensure air release(s) are located at the highpoint of the system.
- Multiple air release locations may be required.
- Continue to purge the system until **ALL** the air is removed.
- Allow adequate time for cement to hydrate – this may require additional water.



## OTHER CONSIDERATIONS

### 3 ALLOW FOR MOVEMENT

- Exercising the line by allowing the pipe to rest under pressure will remove all movement prior to the actual test – this may be repeated several times.



### 4 WATER TEMPERATURE

- Allow sufficient time for the fill water to adjust to ambient temperatures – fill water temperature at 60 degrees Fahrenheit will cool if ambient temperature is 35 degrees, which will lower the pressure
- Exposed piping in the winter will allow the water temperature within the pipe to cool and pressure will decrease
- Conversely, exposed piping in the summer, or pipe in direct sunlight will allow the water temperature within the pipe to heat up and pressure will increase.

### 5 WATER VERSUS AIR

- Air is compressible, and water is not.
- To help determine whether you have a leak or trapped air, refer to **McWane's Double Bump Test** protocol.
- Contact a McWane Ductile representative prior to using any air for testing



### 6 TROUBLESHOOTING

- Contact a McWane Ductile representative for assistance in the event the hydrostatic test is not successful or if you would prefer on-site training and/or assistance.
- For a detailed article and video on *How to Successfully Prepare & Complete a Hydrostatic Pressure Test* visit our Iron Strong Blog at [McWaneDuctile.com/Blog](http://McWaneDuctile.com/Blog).



For Generations

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