

Heated water leak test on TM2 circuit D

While running the test, monitor

- a) vacuum gauges
- b) water temperatures (TS5, TBHT +)

on the strip tool and mass 18 (H₂O) on the RGA

Test steps

1. Pump down to a vacuum below 1E-6 T
2. Record RGA spectrum
3. Open water circulation on circuit D
4. Record RGA spectrum
5. Heat water to minimum 40 °C, if possible up to 50 °C
6. Run for 2h
7. Cool down water to 20 °C
8. Run for 30 min
9. Repeat 5 to 8 for a total of 3x
10. Run overnight with ho circulating water
11. Continue with overnight runs and repeat 5 to 8 as schedule allows
12. If test is successful i.e. no vacuum or mass 18 increase observed during the test, move on to test high voltage.