Mechanical Isolation
Domestic Water Systems
Revised Monday, October 25th 2010

Does the work need to be done on live circuits?

Yes

Stop.
Seek advice from a qualified Mechanical Engineer or suitably authorised person.

No

Has the whole circuit been clearly identified and does it have a means of isolation?

Yes

Are the persons required to do the job competent?
Do you have a safe working plan or method statement?
Both are essential.

No

Stop.
Seek advice from a qualified Mechanical Engineer or suitably authorised person.

A full risk assessment and method statement is required

Yes

Is the work to be done on Hot or cold circuits?

Other

Seek advice

Hot

Is a boosted water system?

No

Ensure that other areas connected to the system will not be affected by any alterations or additions.
2. Ensure all primary heating systems are isolated if necessary.
3. Inform the relevant D.W. Supervisor that work is being done to a system.
4. Post notices and warnings
5. Drain the system (do not leave drain valves or cocks open).
6. Install new isolation valve if required, further isolations may be necessary.

Cold

1. Inform the relevant D.W. Supervisor that work is being done to a system.
2. Isolate the pumps if required
3. Post notices and warnings
4. Drain the system (do not leave drain valves or cocks open).
5. Install new isolation valve if required, further isolations may be necessary.

Ensure that the Legionella Risk Assessment and record drawings are updated