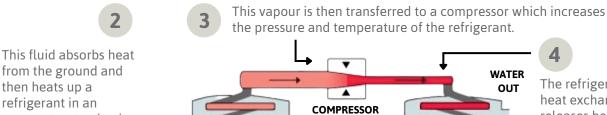
How do heat pumps work?

The two diagrams below show how a ground source and an air source heat pump work. The diagrams are adapted from a UK Government document 'Phasing out the installation of fossil fuel heating in homes off the gas grid'. Contains public sector information licensed under the Open Government Licence v3.0.

Ground Source Heat Pump



from the ground and then heats up a refrigerant in an evaporator, turning it into vapour at low pressure. The fluid cools down and is then circulated again to the ground array to absorb heat again.

A ground source heat pump circulates a cold fluid through an array of pipes installed in the ground.

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