Tap Water Pressure Information

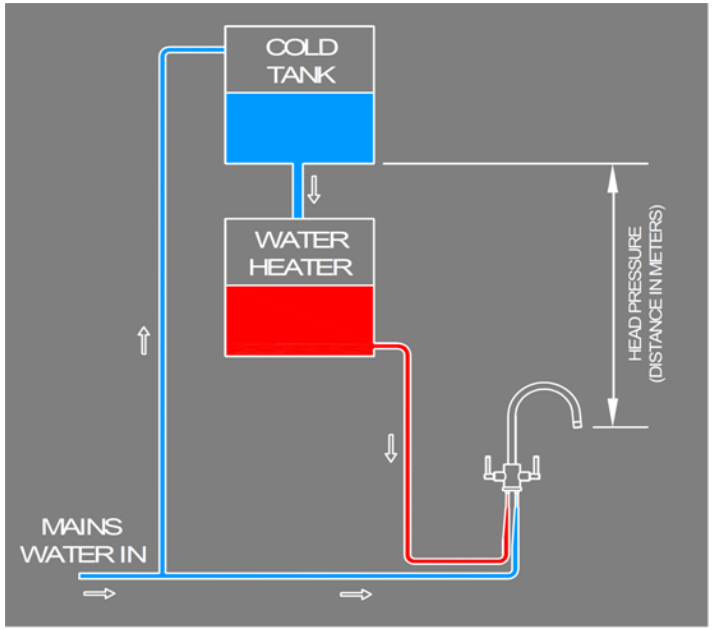
LAMONA

All Howden taps have a published minimum water pressure requirement on the installation instructions.
Water pressure can be measured in three common units, bar, psi and Head (m). **1 bar = 14.5 psi = 10 metres Head**

GRAVITY FED (OPEN VENTED) HOT WATER SYSTEMS

Generally found in older or un-modernised houses. The vertical distance from the bottom of the cold tank (normally in the loft) to the spout exit estimates the 'header pressure' the greater the distance, the better the flow of hot water.

Customers should choose their new tap carefully, if they choose a high pressure tap the hot water will run very slowly.



Example:
If the vertical distance was 5 meters the pressure would be 0.5 bar.

Customers with Gravity fed systems will have poor hot water pressure and good cold water pressure.

Fitting a 'booster pump' allows customers to have a wider choice of taps as the hot water become high pressure after passing through the pump.

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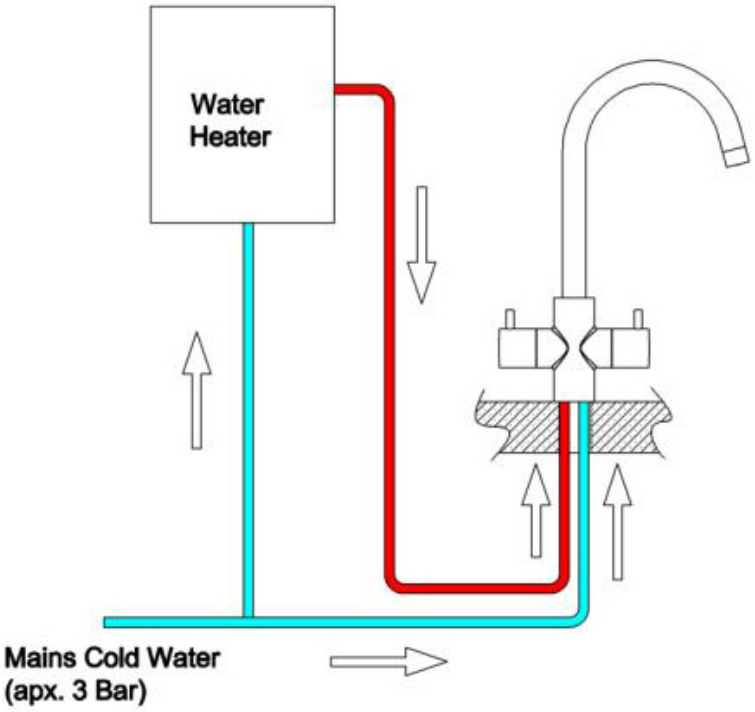

COMBINATION (UNVENTED) BOILERS (OR SIMILAR)

Pressurised water heaters (instantaneous gas water heaters or modern combination boilers) deliver a continuous large volume of hot water on demand.
For Combination boilers or instantaneous water heating systems the boiler flow output depends upon the incoming cold water pressure, temperature and boiler size.

Typically hot water is delivered at a pressure near to that of the incoming cold water. This means most taps will give good flow rates when attached to these types of system.

COLD WATER PRESSURE

Mains supplied cold water is usually 3 bar (high pressure) and should be no lower than 1 bar. Cold water pressure can greatly vary at different times of the day depending upon demand.