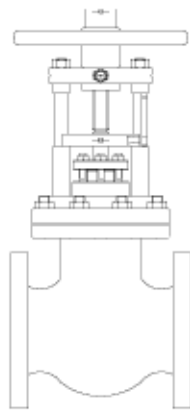


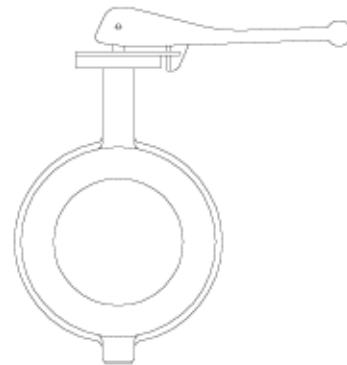
## Gate Valves Vs Wafer (Butterfly) Valves

Gate valves on larger sizes of pipework can be difficult to install due to their weight and size. Consideration should be given to using an alternative type of isolation valve such as wafer (butterfly) particularly on chilled water or low pressure hot water systems.



Gate Valve

**Gate Valve 200mm dia.**  
Weight 121 kg



Wafer Valve

**Wafer Valve 200mm dia.**  
Weight 26 kg

Wafer valves offer the benefit of:

- Easier to manual handle valve into position.
- Easier to install as they are considerably lighter in weight.
- Face to face dimensions are considerably less, gate valve is 292mm, wafer valve is 60mm making them easier to accommodate in tight spaces.
- Ease of operation, only a quarter turn is needed to fully open or close the valve.
- The shaft for the wheel on the gate valve is longer than that of a wafer. This can create problems where gate valves are installed at high level the head of the valve can end up being low creating access issues.
- List price of 200m diameter Gate Valve is £289 compared to a Wouter Witzel Wafer Valve is £218
- Due care should be taken when selecting the valve to ensure it is compatible with the system it is to be installed in i.e. in terms of temperature, pressure etc. Select good quality valves to ensure it will provide a positive shut off for the application.