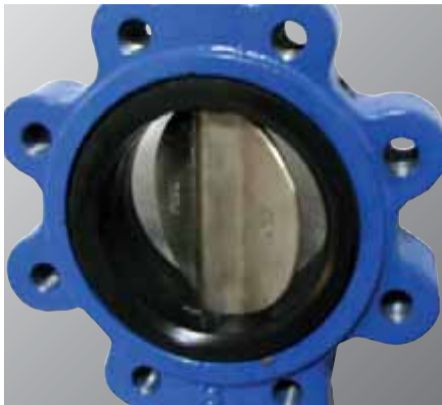


Flange connections



Flange components have their own design limitations and correct selection and compatibility is vital.

Flange material specification:

- *Pressure and temperature must not exceed its rating.*
- *Gasket selection must be in line with the rating of the flange.*
- *The fluid being handled will affect the gasket selection.*
- *All bolts must be compatible with the flange being used.*

Pipe and its mating flanges should be cleaned and made ready for assembly.

A clean and appropriate gasket should be selected for the flange type being used. Flat face and raised faces should not be mixed.

Piping should be properly supported with use of correctly sized hanging or securing brackets.

All pipes need to be aligned correctly to ensure that the valve integrity is maintained, avoiding twisting and distortion of the valve's structure and valve damage.

As the valve is assembled ensure that the bolts are placed and secured with nuts at hand tightness employing the crossover method of tightening to secure a sound joint.

Butterfly valves provide positive shut off in both flow directions. The disc profile is designed to give sealing properties at minimum torque. Raised seat profile provides positive flange seal.