

Fluid Handling Valve Design and Analysis

Concept, Flow, Mechanical and Structural Design

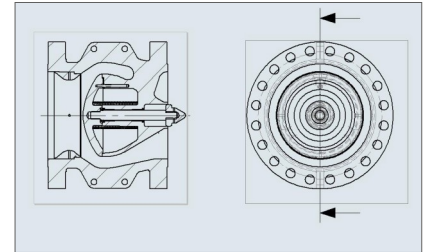
Concept design for new ranges

- Upgrading existing designs to meet new standards
- Code checking existing designs

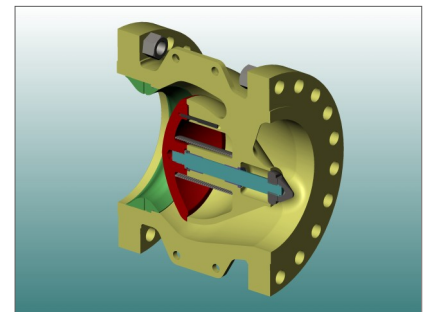
Design optimisation for:

- Operating mechanism
- Seat deflection
- Dp minimisation
- Cv evaluation
- Component strength
- Weight reduction

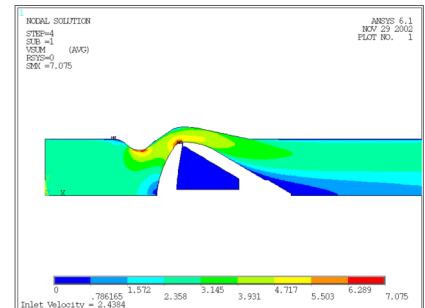
We are able to offer valve manufacturers a bespoke design service. Using a variety of analysis tools enables individual components or complete valve ranges to be designed or optimised to suit specific customer requirements. Experienced designers offer clients advice on bolting/connecting requirements, seat contact and sealing, component strength, integrity and longevity or code checks to international standards.



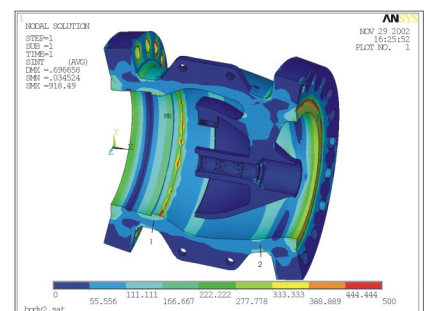
3D Modelling/Design



Fluid Flow Analysis



Structural Analysis



Fluid-Structure Interaction