Lesson 20 Valve Assembly (Video Lesson)

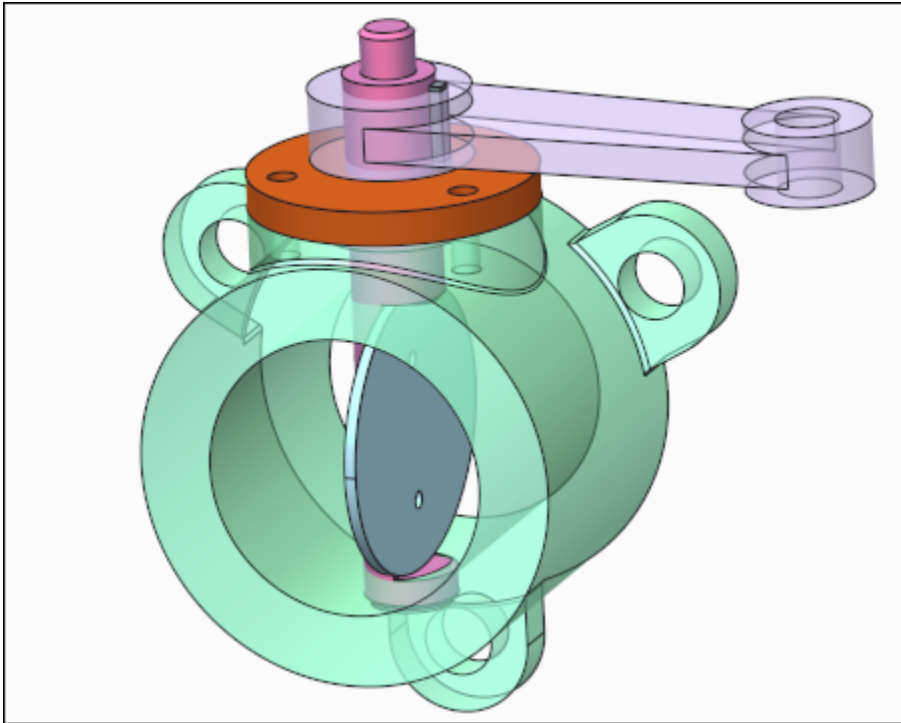

Figure 20.1 Valve Assembly

OBJECTIVES

- Use **Assembly** commands
- Establish and edit **Units**
- Apply **Analysis** to determine **Global Interference** and **Global Clearance**
- **Measure** features to analyze components fit
- Use **Edit Definition** features to resolve design problems
- Use **Top-Down Design** to create the Key component

RESOURCES

- **Video Lecture** can be downloaded directly.
- **www.cengage.com > Search > Creo Parametric 3.0 > Free Materials**
- Parts download at **www.cad-resources.com >** click on the appropriate book cover >

choose **commercial** or **academic** Valve Assembly .

Steps

Follow the Steps to complete the lesson:

- **Download** the Lesson Lecture onto your hard drive
- **Play** directly from your computer using *Windows Media Player* (**.wmv** file)
- **Create** the assembly using the available parts
- **Check** your Units
- Use **Measure** and **Analysis** on the assembly model
- **Edit** as necessary
- Use **Top-Down Design** to create the **Key** component
- **Follow** the procedures in the Lesson Lecture
- **Save** the completed assembly (and its required components) as a single **Zipped** file
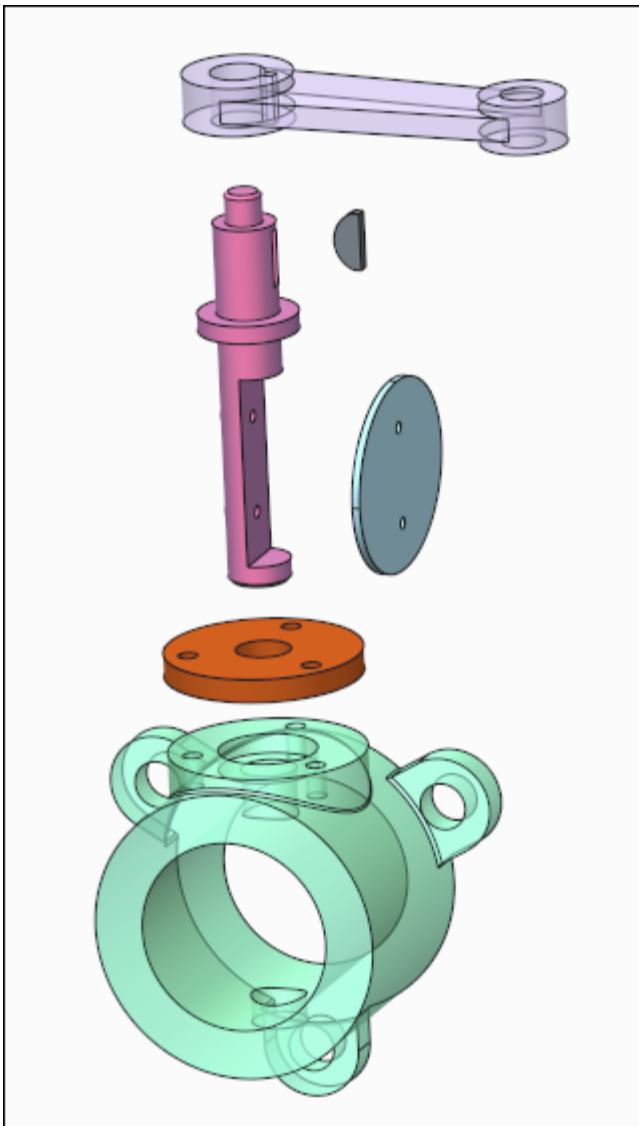- **Upload** the **zipped** file to your Course Management System as an assignment if available.

Figure 20.2 Exploded Valve Assembly