



The diagram shows a mechanical assembly consisting of a main housing, a central shaft, and an impeller. The housing is designed to contain the internal components and provide structural support. The central shaft is the primary rotating element, which is connected to the impeller. The impeller is responsible for moving fluid or material through the system. The assembly is shown in a perspective view, highlighting the complex geometry of the housing and the curved blades of the impeller.

This diagram illustrates the internal components of a mechanical assembly, including a central shaft, an impeller, and a housing. The central shaft is the primary rotating element, which is connected to the impeller. The impeller is responsible for moving fluid or material through the system. The housing is designed to contain the internal components and provide structural support. The assembly is shown in a perspective view, highlighting the complex geometry of the housing and the curved blades of the impeller.

Figure 1: Schematic diagram of the mechanical assembly.

Figure 2: Detailed view of the impeller component.