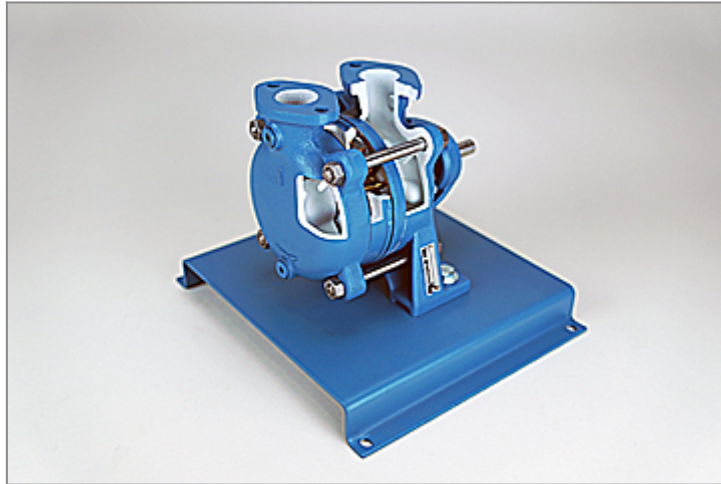


# Single-Stage Side Channel Pump Cutaway



Model: 278-115

DAC Worldwide's Single-Stage Side Channel Pump Cutaway (278-115) depicts a sectioned industrial single-stage, side-channel-type pump cutaway. The hands-on learning device allows for convenient classroom and laboratory training in the design, operation, construction and maintenance of this common process pump used in industry. Sometimes referred to as simply a liquid ring pump, these specialized self-priming pumps are used in a variety of commercial and industrial applications, including vacuum, gas, and liquid-gas mixture applications.

Selected and assembled to support introductory process operations and maintenance training programs, this real-world learning solution provides the same utility found in equipment used on-the-job. The full-size, fully-detailed example of an actual real-world side channel pump gives learners a first-hand view into a component that is found in various applications worldwide.

All of the pump's components have been retained, allowing for convenient classroom training in the operation, construction, and maintenance of these common pieces of process equipment.

## **Cutaways Enhance Training with Hands-On Industrial Components**

The Single-Stage Side Channel Pump Cutaway provides a realistic training introduction to industrial centrifugal pump components. The pump's components are industrial-grade made by leading manufacturers, mimicking what students might encounter on-the-job for industrial relevancy.

Carefully-planned cut way areas combine to showcase the internal configuration of the pump. Seal features, hardware locations, and bearings are retained, allowing for use in maintenance-related training. This realistic teaching aid will make introductory courses in side-channel pump maintenance and operations training more productive, realistic, and memorable.

Additionally, the equipment used within the trainer is cleaned, primed and painted using a high-endurance urethane coating, providing durability to stand up to frequent use.

## **Expand Training with Additional Pump and Compressor Model Options**

The Single-Stage Side Channel Pump Cutaway is only one of DAC Worldwide's expansive pump and compressor

cutaway devices, which also include the Centrifugal Pump Cutaway (278-101), the Positive Displacement Pump Cutaway (278-105C), and many more!

### **Optional Textbook Available For Additional Training**

A copy of this course's Textbook is an available option with the training system. The textbook, called *Audel's Pumps and Hydraulics*, presents clear objectives and performance standards for learners. If you would like to inquire about purchasing Textbooks for your program, please contact your local DAC Worldwide Representative for more information.

---

### **FEATURES & SPECIFICATIONS**

- Sectioning of an actual industrial side channel pump (*common models from popular manufacturers are chosen for industrial relevancy*)
- Multiple cutaways showcasing impeller, seals, and the full flow path
- Cleaning, priming, and painting using a high-durability urethane coating
- Replacement plated hardware, where needed
- All gaskets, seals, and bearings visible
- 7-Gauge formed-steel baseplate with provision for tabletop mounting or mounting on related DAC display and workstation products
- Crating for shipment via motor freight

### **PRODUCT DIMENSIONS**

- **Product Dimensions**  
(L x W x H)  
13.5" x 12" x 10.5" (350 x 305 x 270mm)  
45 lbs. (20.5 kg)
- **Shipping Dimensions**  
(L x W x H)  
15" x 15" x 15" (381 x 381 x 381mm)  
60 lbs (27 kg)

### **OPTIONS**

- Recommended #903F Electromechanical Workstation (Extended)
- #902 - Electromechanical Workstation

#### **Address**

DAC Worldwide  
3 Killdeer Court, Suite #301  
Swedesboro, NJ 08085

#### **Contacts**

email: [contact@dacworldwide.com](mailto:contact@dacworldwide.com)  
phone: (800) 662 5877