

# Hand-Operated Sliding Vane Pump Cutaway



Model: 278-138

DAC Worldwide's Hand-Operated Sliding Vane Pump Cutaway (278-138) depicts a sectioned, hand-operated vane-type positive displacement pump that allows for convenient classroom training in the design, operation, construction and maintenance of this common process pump used in various industrial, commercial, and agricultural applications. Sometimes referred to as simply a vane pump, these specialized manual pumps are used in a variety of commercial and industrial applications such as transfer of fuels and alcohols, as well as in a variety of petro-chemical and oil & gas processing 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 hand-operated sliding vane 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 thorough, one-of-a-kind training experience using these common pieces of process equipment.

## **DAC Worldwide's Cutaways Enhance Training with Hands-On Industrial Components**

The Hand-Operated Sliding Vane Pump Cutaway provides a realistic training introduction to industrial vane 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 cutaway areas, which include a strategically placed acrylic viewing window, combine to showcase the internal configuration of the pump. Seal features, spring-loaded hardware locations, and bearings are retained, allowing for use in maintenance-related training. This realistic demonstrator will make introductory courses in pump maintenance and operation 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 Hand-Operated Sliding Vane Pump Cutaway is only one of DAC Worldwide's expansive pump cutaway devices, which also include the Vertical Submersible Pump Cutaway (278-120), the Sanitary Pump Cutaway (278-131DS), the Sliding Vane Pump Cutaway (278-139), and many more!

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## **FEATURES & SPECIFICATIONS**

- Sectioning of an actual manual vane-type positive displacement pump (*manufacturers such as Viking, Corken, Blackmer, and Forster are chosen for industrial relevancy*)
- Cleaning, priming, and painting using a high-durability urethane coating
- Replacement plated hardware, where needed
- All gaskets, seals, and bearings visible
- 13-Gauge formed-steel, powder-coated baseplate with provision for tabletop mounting or mounting on related DAC workstation and display products
- Packing for shipment via courier

## **PRODUCT DIMENSIONS**

- **Product Dimensions**  
(L x W x H)  
9in x 11.75in x 12.5in (229 x 298 x 318 mm) approx.  
17 lbs. (8 kg)
- **Shipping Dimensions**  
(L x W x H)  
11in x 13.75in x 14.5in (279 x 349 x 368 mm) approx.  
24 lbs. (11 kg)

## **OPTIONS**

- Recommended #902F - Electromechanical Workstation

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