

## CUTAWAY DOUBLE-ACTING SINGLE-ROD CYLINDER

### DESCRIPTION

It is sometimes difficult for instructors to explain how complex mechanisms, like hydraulic components, work with the aid of photographs and illustrations alone. Based on the ideology of “what I touch I understand,” a cutaway of a component tells its own story about what it consists of and how it works.

Many students will admit that they are “hands-on” learners; they are better at figuring out how components work when the component is in their hands than they are if it is explained with only photographs and illustrations.

FPTI™ prides itself in making cutaway models of the identical components that are on the training simulators. This concept gives students the opportunity to look inside an exact replica of the pump they are studying. They can see exactly what happens inside it when they manipulate adjusting screws or handles.

The exceptional DAC-CM cutaway model features a transparent cylinder tube and transparent end-caps. The transparent cylinder tube lets students see exactly how the piston seal works. The transparent end-cap allows students to see the gland seal and wiper seal. This cutaway model allows the instructor to show students the differential areas within a cylinder.

It can also be used to show students how a pump works. By simply connecting a hose to the closed-end port and inserting it into a container of water, the instructor can replicate a pump by pulling on the piston rod. This creates an interesting discussion when students debate whether the water was “sucked” or “pushed” into the cylinder tube.

### Let us customize a cutaway model for you!

With our in-house design and machining capability, we can customize a cutaway just for you. Send us the model number of the component and we will do the rest.