

### CUTAWAY PILOT-OPERATED PRESSURE RELIEF VALVE

#### 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 PORV-CM cutaway model is a pilot-operated pressure relief valve that consists of two direct-operated relief valves. The interaction of these two valves is sometimes difficult for students to grasp. When students can see inside the valve, while the instructor is explaining how it works with the color-coordinated PowerPoint® slides, they will quickly grasp the valve’s function.

#### 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.

