

### CUTAWAY MOBILE DIRECTIONAL CONTROL 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 MDCV-CM cutaway model is definitely more to a mobile directional control valve than meets the eye. A single section of a mobile directional control valve typically consists of, in addition to a moveable spool, one or more, load check valves, cylinder port relief valves and/or anti-cavitation valves.

This stunning cutaway model allows students to see exactly where these valves are located and how they interact with the valve’s internal flow passages. This model is also very useful for learning troubleshooting. It lets a student see exactly where all “suspect” leakage paths are, and exactly how to pinpoint a leakage path within the valve without disassembling it.

#### 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.

