



## DESCRIPTION

A cutaway multi-stage centrifugal pump with 2" or DN50 inlet for studying the internal construction and operation of an industrial multi-stage centrifugal pump.

Centrifugal pumps are the most commonly used pumps in the world. They are robust, reliable and cost-effective.

Centrifugal pumps consist of a rotating impeller that transfers kinetic energy into a pressure increase from the pump inlet to the pump outlet. This pressure difference forces fluid through the pump. Centrifugal pumps are used in a wide variety of industrial, commercial and domestic applications.

The CPU-CC, CPU-MC and CPU-MC series of cutaway centrifugal pumps use new industrial close couple, long coupled and multi-stage centrifugal pumps that are cut away to clearly show the inlet, outlet, impeller, bearings and seals, allowing students to easily visualise pump operation and identify the main pump components.

The cutaway centrifugal pump is mounted on a coated aluminium stand for easy hands-on training on the internal construction, operation, repair and maintenance of a multi-stage centrifugal pump.

## LEARNING OBJECTIVES

Internal construction of an industrial multi-stage centrifugal pump

Identify the main parts of an industrial multi-stage centrifugal pump

Visualisation of flow path for an industrial multi-stage centrifugal pump

Operation of an industrial multi-stage centrifugal pump

Maintenance of an industrial multi-stage centrifugal pump

**TECHNICAL SPECIFICATION**

New 4-stage centrifugal pump

2"/DN50 inlet

1.5"/DN32 outlet

Section to reveal centrifugal impellers, shaft and bearings

Side suction

Top discharge

Closed impeller

Colour coded for easy component identification

Handle for rotation of impellers and shaft

Mounted on a sturdy base plate or mobile frame for ease of use

**ALTERNATIVE PRODUCTS**

CPU-CC20 2"/DN50 Cutaway Close-Coupled Centrifugal Pump

CPU-CL25 2.5"/DN65 Cutaway Long-Coupled Centrifugal Pump

DPU-MC20 2"/DN50 4-Stage Centrifugal Pump Assembly Kit

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