



Course Objectives

- 1. Distinguish between dynamic and positive displacement pumps.
- 2. Describe the operation and components for each type of positive displacement pump



Key Terms (Define the following)

positive displacement pump - _____

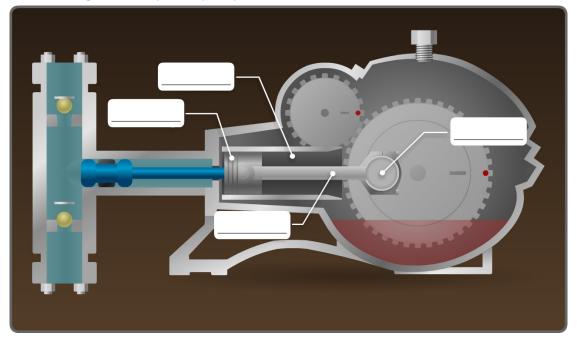


General Pump Categories		
Dynamic	Positive Displacement	
an impeller spins around the pump's axis to move the fluid through the pump	reciprocating or rotary action moves a fixed volume of fluid from the suction side through to the discharge	
Flow rates vary with output pressure	⇒ Fixed flow rates	
Pump at lower pressures	Pump at very high pressures	
External check valves prevent backflow	Internal check valves prevent backflow	



1.	List three ways that a postive displacement pump differs from a dynamic pump.	
2.	List the two main categories of positive displacement pumps. 1) 2)	
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3. Label this sigle-action piston pump



loes a multi-stage piston pump differ from a duple:	x or triplex pump?
loes a plunger pump differ from a piston pump?	

•	How does a diaphragm pump differ from a piston pump?
•	What is the advantage of a diaphragm pump over a piston or plunger pump?
•	List the types of impellers used in rotary pumps.
0.	What is the difference between an internal and an external screw pump?

11. Label the parts of this internal screw pump

