



SERIES AND PARALLEL CONFIGURATION OF PUMPS

RF 015

Description:

In complex systems, pumps can be connected in series or in parallel. In series operation the heads are added together and in parallel operation, the flow rates of the pumps are added. Series and parallel configuration of pumps behave similar to series and parallel configuration of electric resistances in electric circuits. The pump correlates with the electric resistance, the flow correlates with the electric current and the head with the voltage. This experimental device was designed and built to investigate the flow behavior of the head and the flow rate of the fluid in different configurations.

Specifications:

- Two sets of stainless steel centrifugal pumps
- Storage tank
- Pressure gauge before and after each pump
- Piping system with valves and fittings
- Measuring and controlling fluid flow with rotameter
- Control panel including display and switch
- Wheeled carbon steel structure
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Studing the pressure and flow in series and parallel configurations
2. Determining the efficiency of pumps in different configuration
3. Obtaining the characteristic curve of pump

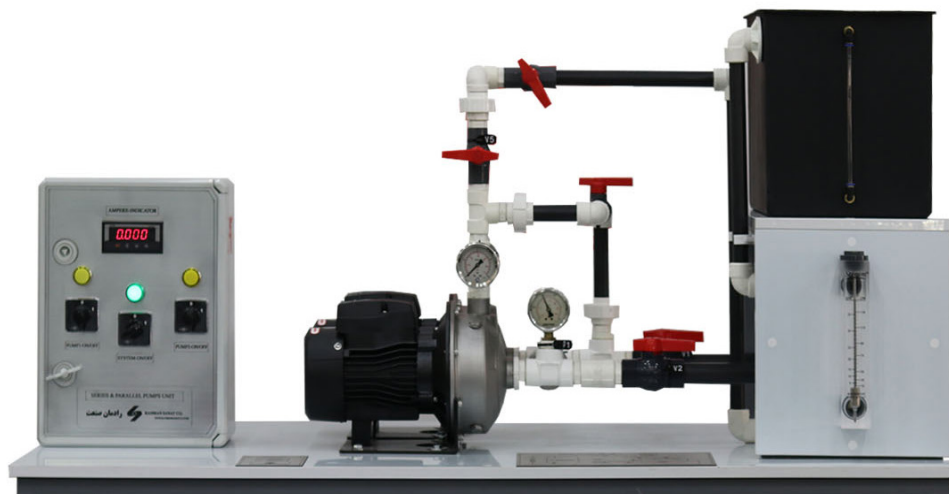
Required For Operation:

- 220V Single Phase Electricity
- Distilled Water
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%
- Table



SERIES AND PARALLEL CONFIGURATION OF PUMPS

RF 015



Dimensions (L*W*H) mm: 1400 x 800 x 900

www.radmansanatco.com