



GENERAL EXPLANATION

This training set is a typical application of automatic pressure control and different control algorithms can be applied.

EXPERIMENTS

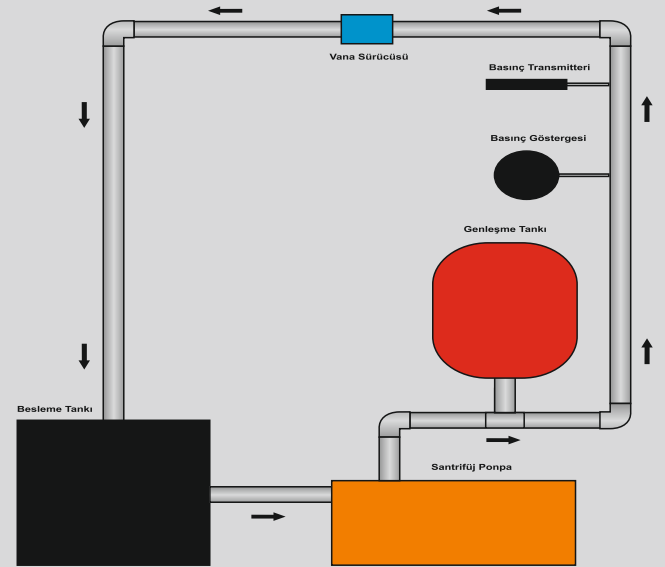
1. Two-position (ON-OFF) level control of water pressure
2. Proportional (P) level control of water pressure
3. Proportional and integral (PI) level control of water pressure
4. Proportional and differential (PD) level control of water pressure
5. Proportional, integral and derivative (PID) level control of water pressure

DIMENSIONS

A x B x H : 1080 x 500 x 1550 mm

TECHNICAL SPECIFICATION

In this set, it is aimed to set the water pressure to the desired set values with automatic control systems. The effects of the proportional coefficient, the integral coefficient and the derivative coefficient on the PID control, the operating principle of the on-off control can be observed.



TECHNICAL DETAILS

- Centrifugal pump
- Proportional valve
- Diaphragm expansion tank
- Pressure transmitters (0-4 bar)
- Pressure manometer
- 32 mm connection control valve and valve driver

OPTIONAL FEATURES

- Touch LCD Display
- USB Computer Connection
- Computer Control

PACKAGE INCLUDED

Device, device cover, 1 printed experiment report, circuit diagram and product catalog