

FLOW CONTROL SYSTEM

MODEL: BSP05



FEATURES

- Compact and sturdy construction
- Computerised analysis (Optional)
- Incorporates standard industrial components
- Comprehensive instrumentation

DESCRIPTION

Flow control system is designed to demonstrate various aspects of control engineering using a flow control system to control the water delivered by a pump. The system incorporates the standard industrial components.

INSTRUCTION MANUAL

Self-explanatory operating manuals are provided with each system. Detailed theory as well as practical exercises is also included in the manual

LIST OF EXPERIMENT

- Manual two step control
- Study of P, PI, PD, PID Control ^{NOTE}
- Study of sensors
- Study of Control valves
- Study of feedback control system

NOTE: If Pneumatic PI controller is ordered supplied in place of electronic PID controller, only PI action can be viewed

COMPONENTS

1. Sump tank
2. Water pump
3. Pressure tank
4. Flow sensor /transmitter
5. Control valve
6. Pipes and fittings
7. I/P converter
8. PID Controller (See model selection below)

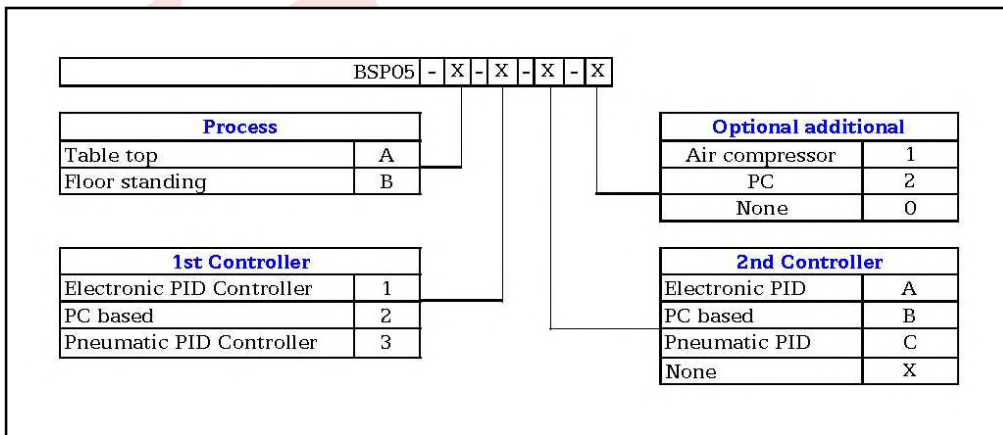


Note: Details of attachments can be made available on request.

SERVICES REQUIRED

- Electric supply
- Compressed air

MODEL



DIMENSIONS AND WEIGHT

- 100 kg (Floor standing)
- 1000 mm x 800 mm x 1830 mm (H) (Floor standing)

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- (1) Since research and development is an on-going activity, the specifications mentioned herein are subject to change without notice
- (2) Photographs are indicative only.