

BSRIA BG 51, provides additional guidance on selection and application of PIBCV, while BSRIA BG 2 and CIBSE CCW Commissioning Code W, provides guidance on commissioning procedures using PIBCVs.

The project team should integrate the temperature, humidity and pressure monitoring devices with central building management system in order to achieve the precise control of chilled water and also the control of air flow.

COMPLIANCE DOCUMENTATION

Table 502.16(1): Documents Required

Project Stages	Submittal Documents
Design Permit Application	1. Mechanical drawings indicating automatic balance valves, temperature and humidity sensors and pressure monitoring devices.
Construction Completion Application	1. Final approved mechanical drawings indicating automatic balance valves, temperature and humidity sensors and pressure monitoring devices. 2. Hydronic balancing and control values technical data-sheet.
After Completion	1. Commissioning results including BMS screen-shot to verify the functional performance of valve.

REFERENCES AND ADDITIONAL INFORMATION

The Building Services Research and Information Association. (2014). BG 51: Selection of Control Valves in Variable Flow Systems.

The Building Services Research and Information Association. (2010). BG 2: Commissioning Water Systems.

The Chartered Institution of Building Services Engineers. (2010). CCW Commissioning Code W: Water Distribution Systems.