

QualSteam

The Forbes Marshall QualSteam is a combination of the pressure reducing valve, temperature control valve and a steam flow meter. It delivers equipment level pressure optimisation alongwith consistency of process temperature and quantifies the steam consumption. Thus, the product delivers benefits beyond savings of productivity improvement and process quality enhancement.



Features

- Optimised steam pressure at equipment level
- Stable and accurate temperature control with accuracy upto +/-1 degC
- Steam flow measurement
- Auto mode to regulate the outlet pressure to the optimum value
- Auto tuning for temperature and pressure controls
- Easy integration in case if PLC already exists at site
- Cloud connectivity with real time data logging

Benefits

- Optimum value of steam pressure and precise control of steam temperature results into steam savings, reduced fuel consumption
- Measurement of steam flow enables to compute equipment level steam consumption
- Enhanced Specific Steam Consumption (SSC) leads to reduced operating cost
- Precise temperature control offers robust product quality and reduction in rejections and rework
- Eliminates the risks associated with overheating / cooling due to inaccurate temperature control thereby ensures operational safety



Technical Specifications

Control valve	QualSteam
Valve size (in NB)	15, 20, 25, 40, 50, 65, 80, 100
Control panel	400 x 400mm
Display	4-line B&W display with multiple screens
Input	4 AI (2 pressure + 1 temperature + 1 valve feedback) – 4-20 mA
Output	1 AO (control valve) – 4-20 mA
Communication	RS-485 output
Digital connectivity	Through RTru

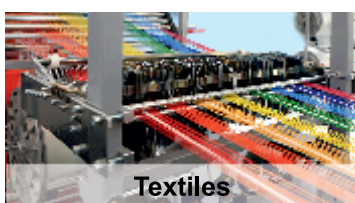
Equipmentwise Applications



- Pasteuriser
- Clean in Place Systems
- Sugar Syrup Tanks
- Adjunct Kettle
- Mash Kettle
- Wort Kettle
- Hot Water System
- Cooker
- Neutraliser
- Bleacher



- Solvent Recovery Unit
- Stripper
- Low Pressure Distillation Columns
- Paste Kettle
- Tray Dryers



- Continuous Bleaching Range
- Vertical Drying Range