

1. Record Nr.	UNISA996390792503316
Autore	Morel Pierre
Titolo	The expert doctors dispensatory [[electronic resource]] : The whole art of physick restored to practice. The apothecaries shop, and chyrurgions closet open'd; wherein all safe and honest practices are maintained, and dangerous mistakes discovered; and what out of subtilty for their own profits they have indeavoured to reserve to themselves, now at last impartially divulged and made common. Together with a strict survey of the dispensatories of the most renowned colledges of the world ... Containing, ... the Latine names of all simples and compounds English'd. ... the vertues, qualities, properties, quantities, and uses of all simples and componnds [sic]. ...the way of prescribing remedies; ... the nature, qualities, and symptomes of all diseases ... cautions for the applying all both internal and external medicines. To which is added by Jacob a Brunn ... a compendium of the body of physick; wherein all the medicaments vniversal and particular, simple and compound, are fitted to the practice of physick; and these forms of remedies now before prescribed by the famous P. Morellus, .
Pubbl/distr/stampa	London, : Printed for N. Brook at the Angel in Cornhil near the Royal Exchange, 1657
Descrizione fisica	[30], 471, [9] p
Altri autori (Persone)	BrunnJohannes Jacobus <1591-1660.> CulpeperNicholas <1616-1654.>
Soggetti	Medicine Pharmacy Dispensatories - Great Britain
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Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	A translation, edited by Nicholas Culpeper, of: Morel, Pierre. Methodus praescribendi formulas remediorum elegantissima. "The physicall magazeen. Or A systeme of the matter of physick, .. by Doctor Jacob A Brunn" has separate dated title page; register and pagination are continuous. Annotation on Thomason copy: "August. 4." Reproduction of the original in the British Library.

2. Record Nr.	UNINA9910811330903321
Autore	Smith Cecil L.
Titolo	Control of batch processes // Cecil L. Smith
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Disciplina	660/.2815
Soggetti	Chemical process control Mass production
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Cover; Title page; Copyright page; Contents; Preface; 1: Introduction; 1.1. Categories of Processes; 1.1.1. Continuous Processes; 1.1.2. Batch Processes; 1.1.3. Semi-Batch Processes; 1.2. The Industry; 1.2.1. Intellectual Property; 1.2.2. Manual Operations; 1.2.3. Driving Force for Change; 1.2.4. Product Specifications; 1.2.5. Automation Technology for Batch; 1.2.6. Safety and Process Interlocks; 1.2.7. Safe State; 1.2.8. Safety Issues Pertaining to the Product; 1.3. The Ultimate Batch Process: The Kitchen in Your Home; 1.3.1. Recipe from a Cookbook 1.3.2. Home Kitchen versus Commercial Bakery 1.4. Categories of Batch Processes; 1.4.1. Cyclical Batch; 1.4.2. Multigrade Batch; 1.4.3. Flexible Batch; 1.5. Automation Functions Required for Batch; 1.5.1. Basic Regulatory Control; 1.5.2. Discrete Device Drivers; 1.5.3. Step Programmers; 1.5.4. Sequence Logic; 1.5.5. Recipe Management; 1.5.6. Production Control; 1.5.7. Scheduling; 1.5.8. Software Issues; 1.6. Automation Equipment; 1.6.1. Analog; 1.6.2. Hardwired Logic; 1.6.3. Distributed Control System (DCS); 1.6.4. Programmable Logic Controller (PLC); Reference; 2: Measurement Considerations

2.1. Temperature Measurement
2.1.1. Resistance Temperature Detectors (RTDs); 2.1.2. Thermocouples; 2.1.3. Thermistors; 2.1.4. Thermowells; 2.1.5. Accuracy versus Repeatability; 2.1.6. Multiple Probes; 2.2. Pressure Measurement; 2.2.1. Atmospheric; 2.2.2. Vacuum; 2.2.3. Establishing Vacuum; 2.2.4. Flow to Vacuum System; 2.2.5. Pressure as a Function of Time; 2.2.6. Valve Opening as a Function of Pressure; 2.2.7. Leaking Agitator Seal; 2.3. Weight and Level; 2.3.1. Level; 2.3.2. Load Cells; 2.3.3. Noise; 2.3.4. Lag Filters; 2.3.5. Material Transfers; 2.3.6. Noise on Vessel Weight Measurement; 2.3.7. Moving Average Filter; 2.3.8. Vessel Weight during a Material Transfer; 2.3.9. Least Squares Filter; 2.4. Flow Measurements; 2.4.1. Mass Flow; 2.4.2. Coriolis Meters; 2.4.3. Density; 2.4.4. Heating or Cooling Media Flows; 2.4.5. Coriolis Meters versus Load Cells; 2.5. Loss-in-Weight Application; 2.5.1. Weight to Flow; 2.5.2. Exponential Smoothing; 2.5.3. Least Squares Filter; 2.5.4. Control Alternatives; References; 3. Continuous Control Issues; 3.1. Loops That Operate Intermittently; 3.1.1. Zero Flow; 3.1.2. Stopping the Flow; 3.1.3. Final Control Element Issues; 3.1.4. Flow Measurement Issues; 3.1.5. Discrete Logic; 3.1.6. Windup in Flow Controller; 3.2. Emptying a Vessel; 3.2.1. Feed Tank; 3.2.2. Ascertaining That a Vessel Is Empty; 3.2.3. Driving Force for Fluid Flow; 3.2.4. Transfer Piping; 3.3. Terminating a Co-Feed; 3.3.1. Ratio to Master Flow Set Point; 3.3.2. Terminating Master Flow But Not Co-feed Flows; 3.3.3. Cross-Limiters; 3.4. Adjusting Ratio Targets; 3.4.1. Interval for Taking Corrective Actions; 3.4.2. Flow Meter Deemed to Be Most Accurate; 3.4.3. Weight Measurement Deemed to Be Most Accurate; 3.4.4. Compensating Ratio Targets; 3.4.5. Flow Correction Factors

Sommario/riassunto

Gives a real world explanation of how to analyze and troubleshoot a process control system in a batch process plant Explains how to analyze the requirements for controlling a batch process, develop the control logic to meet these requirements, and troubleshoot the process controls in batch processes Presents three categories of batch processes (cyclical batch, multigrade facilities, and flexible batch) and examines the differences in the control requirements in each Examines various concepts of a product recipe and what its nature must be in a flexible batch facility
