

1. Record Nr.	UNINA9910828544603321
Autore	Worstell Jonathan
Titolo	Batch and semi-batch reactors : practical guides in chemical engineering / / Jonathan Worstell
Pubbl/distr/stampa	Amsterdam, [Netherlands] : , : Butterworth-Heinemann, , 2015 ©2015
ISBN	0-12-801465-2
Descrizione fisica	1 online resource (109 p.)
Collana	ICHEME practical guides in chemical engineering Batch and semi-batch reactors
Disciplina	660.283
Soggetti	Chemical reactors
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.
Nota di contenuto	Front Cover; Batch and Semi-batch Reactors; Copyright Page; Dedication; Contents; 1 Introduction; Chemical Reactions and Processes; Batch and Semi-Batch Reactors; Design of Batch and Semi-Batch Reactors; Summary; References; 2 Batch Reactors; Quantitative Description of Batch Reactors; What Is RA?; Elucidation of Kinetic Relationships; Summary; References; 3 Scaling Batch Reactors; Scaling Concentration, Temperature, Volume, Agitation; Scaling Heat Transfer; Summary; References; 4 Semi-Batch Reactors; Reactor Choice: Batch or Semi-Batch Reactor; Miscible Liquid-Liquid Semi-Batch Processes Kinetic AnalysisThermal Analysis; Immiscible Liquid-liquid Semi-Batch Processes; Kinetic Analysis; Thermal Analysis; Gas-Liquid Semi-Batch Processes; Kinetic Analysis; Thermal Analysis; Summary; References; 5 Batch and Semi-Batch Operations; Process Cycle Time; Process Operating Temperature; Summary; References
Sommario/riassunto	Batch and Semi-batch Reactors: Practical Guides in Chemical Engineering is a cluster of short texts that provide a focused introductory view on a single subject. The full library presents a basic understanding of the main topics in the chemical process industries, allowing engineering professionals to quickly access information. Each 'pocket publication' can be easily carried or accessed electronically, giving users a highly practical and applied presentation of the first principles engineers need know on a moment's notice. The

focused facts provided in each guide help users convers
