

1. Record Nr.	UNINA9910144338803321
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Titolo	Industrial pigging technology [[electronic resource]] : fundamentals, components, applications / / Gerhard Hiltscher, Wolfgang Muhlthaler, Jorg Smits
Pubbl/distr/stampa	Weinheim, : Wiley-VCH, 2003
ISBN	1-280-72270-3 9786610722709 3-527-60913-X 3-527-60905-9
Descrizione fisica	1 online resource (354 p.)
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Disciplina	621.8/672 621.8672
Soggetti	Pipeline pigging Electronic books.
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 and index.
Nota di contenuto	Industrial Pigging Technology; List of Contents; Notation; Preface; I Fundamental Principles of Pigging Technology; 1 Introduction to Pigging Technology; 1.1 Historical Development and Definition; 1.2 Fields of Application of Pigging Technology; 2 Pigging Units and Pigging Systems; 2.1 Definitions; 2.2 Selection and Design Criteria; 2.3 Pigging Units; 2.3.1 Pigging Units without Branches; 2.3.2 Pigging Units with Branches; 2.3.3 Pigging Units with Switches; 2.4 Pigging Systems; 2.4.1 Sequence Tables; 2.4.2 One-Pig Systems; 2.4.3 Two-Pig Systems; II Components; 3 Pigs 3.1 Pigs for Industrial Pigging Units3.1.1 Function; 3.1.2 Fields of Application; 3.2 Materials Selection; 3.2.1 Pig Materials; 3.2.2 Tests for the Selection of Pig Materials; 3.2.3 Shear Strength of the Pig Material; 3.2.4 Deformation of a Solid Cast Pig under Pressure; 3.3 Pig Designs; 3.3.1 One-Piece Pigs; 3.3.2 Multicomponent Pigs; 3.3.3 Special Pigs; 3.4 Fabrication of Pigs; 3.5 Quality Assurance; 4 Valves; 4.1 Function of Piggable Valves; 4.2 Classification of Piggable Valves; 4.3 Examples of

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 4.4.1 Crossing of Two Piggable Pipes; 4.4.2 Manifolds; 4.4.3 Piggable Loading Facilities; 4.4.4 Drum-loading Valves; 4.5 Pressure Drop in Piggable Valves; 4.6 Stress on Pig Traps; 5 Pipework; 5.1 Requirements for Piggable Pipes; 5.2 Materials for Piggable Pipes; 5.3 Piping Elements; 5.3.1 Pipes; 5.3.2 Pipe Bends; 5.3.3 Tees; 5.4 Pipe Joints; 5.4.1 Flange Connections; 5.4.2 Welded Pipe Joints; 5.5 Example of a Pipe Specification; 5.6 Construction of Piggable Pipes; 5.7 Piggable Hoses; 6 Additional Equipment; 6.1 Pressure-Relief Vessel
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Sommario/riassunto

Pigs are snug-fitting plugs which are able to perform various maintenance tasks such as cleaning or removing deposits or blockages in pipe and pipeline systems from the inside. A gaseous or liquid propellant is used to push the pig through the system. This strategy avoids rinsing loss of valuable product, provides reduction of adverse environmental impacts, and gains high efficiency for less investment. The book describes clearly and methodically the important basic equipment required for the planning and design of pigging units. Many practical examples are shown for the operation of industr