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Guidance on Practice for Relief Valves

GP 62-04

BP GROUP
ENGINEERING TECHNICAL PRACTICES

Foreword

This is the first issue of Engineering Technical Practice (ETP) BP GP 62-04. This Guidance on Practice (GP) is based on parts of heritage documents of the merged BP companies as follows:

Amoco

A-PC-PRD-00-E	Pressure Relief Devices Selection and System Design.
A-PC-PRD-00-G	Pressure Relief Devices Guide.
A-PC-PRD-526-P	Pressure Relief Valve Supply Specification.

Amoco PTA

PTA-PC-IS-00-C	Instrument Systems Installation Specification.
PTA-PC-PRD-00-C	Pressure Relief Devices Installation Procedures.
PTA-PC-PRD-00-E	Pressure Relief Devices Selection and System Design.
PTA-PC-PRD-00-G	Pressure Relief Devices Guide.
PTA-PC-PRD-PRV-P	Pressure Relief Devices Supply Specification.

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1. Scope

This GP provides guidance on practice for selection, application, and installation of relief valves for onshore and offshore applications.

2. Normative references

The following normative documents contain requirements that, through reference in this text, constitute requirements of this technical practice. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this technical practice are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies.

BP

GP 06-60	Guidance on Practice for Paints and Coatings.
GP 30-76	Guidance on Practice for SIS – Development of the Process Requirements Specification.
GP 30-80	Guidance on Practice for SIS – Implementation of the Process Requirements Specification.
GP 32-47	Guidance on Practice for In Service Inspection and Testing of Mechanical Protective Devices.
GP 42-10	Guidance on Practice for ASME B31.3 Piping Systems.
GP 44-70	Guidance on Practice for Overpressure Protection Systems.
GIS 62-041	Guidance on Industry Standard for Relief Valve Procurement.

American Petroleum Institute (API)

API RP 520	Sizing, Selection, and Installation of Pressure-Relieving Devices in Refineries, Part I and II.
API RP 521	Guide for Pressure-Relieving and Depressuring Systems.
API Std 2000	Venting Atmospheric and Low Pressure Storage Tanks.
API RP 14C	Recommended Practice for Analysis, Design, Installation, and Testing of Basic Surface Safety Systems for Offshore Production Platforms.

ASME International (ASME)

ASME Sec I	ASME Boiler and Pressure Vessel Code, Section I, Rules for Construction of Power Boilers.
ASME Sec VIII	ASME Boiler and Pressure Vessel Code, Section VIII, Pressure Vessels.

International Organization for Standardization (ISO)

ISO 10418	Petroleum and Natural Gas Industries - Offshore Production Platforms - Analysis, Design, Installation, and Testing of Basic Surface Safety Systems.
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National Fire Protection Association (NFPA)

NFPA 30	Flammable and Combustible Liquids Code.
NFPA 58	Liquefied Petroleum Gas Code.

