

NBIC Cross Reference

NBIC-2015 Part 1 Paragraphs Duplicated in Part 4

NBIC 2015	New Part 4	Part 4 Heading
Part 1 Section 2		
2.3.1	2.2.11	Supports, Foundations, and Settings
2.9	2.2	Pressure Relief Valves For Power Boilers
2.9.1	2.2.1	General Requirements
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2.9.1.2	2.2.3	Location
2.9.1.3	2.2.4	Capacity
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2.9.1.4	2.2.5	Set Pressure
2.9.2	2.2.6	Forced- flow Steam Generators
2.9.3	2.2.7	Superheaters
2.9.4	2.2.8	Economizers
2.9.5	2.2.9	Pressure-Reducing Valves
2.9.6	2.2.10	Installation and Discharge Requirements
Part 1 Section 3		
3.9	2.4	Pressure Relief Valves for Steam Heating, Hot-Water Heating, and Hot Water Supply Boilers
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3.9.1.1	2.4.1.1	Installation of Pressure Relief Valves for Heating Boilers
3.9.1.1.1	2.4.1.1.1	Permissible Installation
3.9.1.1.2	2.4.1.1.2	Requirements for Common Connections for Two or More Valves
3.9.1.2	2.4.1.2	Threaded Connections
3.9.1.3	2.4.1.3	Prohibited Installations
3.9.1.4	2.4.1.4	Use of Shutoff Valves Prohibited
3.9.1.5	2.4.1.5	Pressure Relief Valve Discharge Piping
3.9.1.6	2.4.1.6	Temperature and Pressure Relief Valves
3.9.2	2.4.2	Pressure Relief Valve Requirements for Steam Heating Boilers
3.9.3	2.4.3	Pressure Relief Valve Requirements for Hot Water Heating or Hot Water Supply Boilers
3.9.4	2.4.4	Temperature and Pressure Relief Valve Requirements for Potable Water Heaters
3.9.4.1	2.4.4.1	Installation
3.9.4.2	2.4.4.2	Permissible Installations
3.9.4.3	2.4.4.3	Requirements for Common Connection for Two or More Valves
3.9.4.4	2.4.4.4	Threaded Connections
3.9.4.5	2.4.4.5	Prohibited Installations
3.9.4.6	2.4.4.6	Use of Shutoff Valves Prohibited
3.9.4.7	2.4.4.7	Temperature and Pressure Relief Valve Discharge Piping
3.9.5	2.4.5	Pressure Relief Valves for Tanks and Heat Exchangers
3.9.5.1	2.4.5.1	Steam to Hot-Water Supply
3.9.5.2	2.4.5.2	High Temperature Water to Water Heat Exchanger
3.9.5.3	2.4.5.3	High Temperature Water to Steam Heat Exchanger
Part 1 Section 4		
4.5	2.5	Pressure Vessel Pressure Relief Devices
4.5.1	2.5.1	Device Requirements
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4.5.3	2.5.3	Location
4.5.4	2.5.4	Capacity
4.5.5	2.5.5	Set Pressure
4.5.6	2.5.6	Installation and Discharge Piping Requirements
4.7.3	2.5.7	Temperature and Pressure Relief Devices For Hot Water Storage Tanks

Part 1 Section 5		
5.3	2.6	Piping System Pressure Relief Devices
5.3.1	2.6.1	Device Requirements
5.3.2	2.6.2	Number of Devices
5.3.3	2.6.3	Location
5.3.4	2.6.4	Capacity
5.3.5	2.6.5	Set Pressure
5.3.6	2.6.6	Inlet and Discharge Piping Requirements
Part 1 Supplement 2 = Part 4 Supplement 1 Pressure Relief Valves on the Low Pressure Side of Steam Pressure-Reducing Valves		
S2.1	S1.1	Scope
S2.2	S1.2	Pressure Relief Valve Capacity
S2.3	S1.3	Calculation of Pressure Relief Valve Relieving Capacity
Table S2.3-a	Table S1.3-a	Capacity of Saturated Steam, in lb./hr., per sq. in. of Pipe Area
Table S2.3M-a	Table S1.3M-a	Capacity of Saturated Steam, in kg/hr., per sq. mm of Pipe Area
Table S2.3-b	Table S1.3-b	Capacity of Saturated Steam, in lb./hr., per sq. in. of Pipe Area
Table S2.3M-b	Table S1.3M-b	Capacity of Saturated Steam, in kg/hr., per sq. mm of Pipe Area
Table S2.3-c	Table S1.3-c	Capacity of Saturated Steam, in lb./hr., per sq. in. of Pipe Area
Table S2.3M-c	Table S1.3M-c	Capacity of Saturated Steam, in kg/hr., per sq. mm of Pipe Area
S2.4	S1.4	Steam Flow When Coefficients Are Not Known
S2.5	S1.5	Two Stage Pressure-Reducing Valve Stations
Part 1 Supplement 5 Installation of Thermal Fluid Heaters		
S5.7	2.3	Overpressure Protection for Thermal Fluid Heaters
S5.7.1	2.3.1	General Requirements
S5.7.2	2.3.2	Pressure Relief Devices
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S5.7.4	2.3.4	Capacity
S5.7.5	2.3.5	Set Pressure
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NBIC Cross Reference

NBIC-2015 Part 2 Paragraphs Duplicated in Part 4

NBIC 2015	New Part 4	Part 4 Heading
Section 2		
2.2.12.7 f)	2.3	Overpressure Protection for Thermal Fluid Heaters
2.5	3.1	Scope
2.5.1	3.2	General
2.5.2	3.2.1	Pressure Relief Device Data
2.5.3	3.2.2	Inspection Requirements for Device Condition
2.5.4	3.2.3	Inspection Requirements for Installation Condition
2.5.5	3.2.4	Additional Inspection Requirements
2.5.5.1a)	3.2.4.1	Power Boilers
2.5.5.1 b)	3.2.4.2	Hot-Water Heating Boilers and Water Heaters
2.5.5.2	3.2.4.3	Pressure Vessels and Piping
2.5.5.3	3.2.4.4	Rupture Disks
2.5.6	S4.4	Packaging, Shipping and Transportation of Pressure Relief Devices
2.5.7	3.2.5	Testing and Operational Inspection of Pressure Relief Devices
2.5.7f)	3.2.5.1	Corrective Action
2.5.7g) and 2.5.7h)	3.2.5.2	Valve Adjustments
2.5.8	3.2.6	Recommended Inspection and Test Frequencies for Pressure Relief Devices
2.5.8 g)	3.2.6.1	Establishment of Inspection and Test Intervals
2.5.8 h)	3.2.6.2	Establishment of Service Intervals
Part 2 Supplement 8 = Part 4 Supplement 2 Pressure Differential Between Pressure Relief Valve Setting and Boiler or Pressure Vessel Operating Pressure		
S8.1	S2.1	Scope
S8.2	S2.2	Hot Water Heating Boilers
S8.3	S2.3	Steam Heating Boilers
S8.4	S2.4	Power Boilers
S8.5	S2.5	Pressure Vessels

NBIC Cross Reference

NBIC-2015 Part 3 Paragraphs moved to Part 4

NBIC 2015	New Part 4	Part 4 Heading
Part 3 Section 1		
1.2 d)	4.2.2	Construction Standards for Pressure Relief Devices
1.4	1.3.1	Additional definitions relating to Pressure Relief Devices
1.7	4.8	Accreditation of "VR" Repair Organizations
1.7.1	4.8.1	Scope
1.7.2	4.8.2	Jurisdictional Participation
1.7.3	4.8.3	Issuance and Renewal of "VR" Certificate of Authorization
1.7.3.1	4.8.3.1	General
1.7.3.2	4.8.3.2	Issuance of Certificate
1.7.4	4.8.4	Use of the "VR" authorization
1.7.4.1	4.8.4.1	Technical Requirements
1.7.4.2	4.8.4.2	Stamp Use
1.7.5	4.8.5	Quality System
1.7.5.1	4.8.5.1	General
1.7.5.2	4.8.5.2	Written Description
1.7.5.3	4.8.5.3	Maintenance of Controlled Copy
1.7.5.4	4.8.5.4	Outline of Requirements of a Quality System
Part 3 Section 4		
4.5	4.6	Pressure Relief Valve Performance Testing and Testing Equipment
4.5.1	4.6.1	Test Medium and Testing Equipment
4.5.2	4.6.2	Owner-User ASME Code Section VIII Steam Testing
4.5.3	4.6.3	Lift Assist Testing
4.5.4	4.6.4	Pressure Test of Parts
Part 3 Section 5		
Figure 5.7.5-e	Figure 4.7.2-a	Required Markings for Repair of ASME/National Board "V," "UV," and "HV" -Stamped Pressure Relief Valves
Figure 5.7.5-g	Figure 4.7.2-b	Required Markings for Repair of Nuclear Pressure Relief Valves
5.12	4.7	Stamping Requirements for Pressure Relief Devices
5.12.1	4.7.1	Nameplates
5.12.2	4.7.2	Repair Nameplate
5.12.3	4.7.3	Changes to Original Pressure Relief Valve Nameplate Information
5.12.4	4.7.4	Test Only Nameplate
5.12.5	4.7.5	Replacement of Illegible or Missing Nameplates
Part 3 Supplement 7 Requirements for Repairs to Pressure Relief Devices		
S7.1	4.1	Scope
S7.2	4.2	General Requirements
S7.2 d)	4.2.1	VR Repair
S7.3	4.4.7	Weld Repairs to Pressure Relief Valve Parts by an "R" Stamp Holder

S7.4	4.3	Materials for Pressure Relief Valve Repair
S7.5	4.3.1	Replacement Parts for Pressure Relief Devices
S7.6	4.2.4	Initial Adjustments to Pressure Relief Valves
S7.7	4.8.6	Field Repair
S7.8	4.8.6.1	Audit Requirements
S7.9	4.8.6.2	Use of Owner or User Personnel
S7.10	Supplement 3	Guide to Jurisdictions for Authorization of Owners or Users to Make Adjustments to Pressure Relief Valves
S7.10.1	S3.1	General
S7.10.2	S3.2	Training
S7.10.3	S3.3	Documentation
S7.10.4	S3.4	Quality System
S7.10.5	S3.5	External Adjustments
S7.10.6	S3.6	Repairs
S7.11	4.9	Training and Qualification of Personnel
S7.11.2	4.9.1	Contents of Training Program
S7.11.3	4.9.2	Qualification of Personnel
S7.11.4	4.9.3	Annual Review of Qualification
S7.12	4.4	Welding for Pressure Relief Valves
S7.12.1	4.4.1	Welding Procedure Specifications
S7.12.2	4.4.2	Standard Welding Procedure Specifications
S7.12.3	4.4.3	Performance Qualification
S7.12.4	4.4.4	Welding Records
S7.12.5	4.4.5	Welders' Identification
S7.12.6	4.4.6	Welders' Continuity
S7.13	4.5	Heat Treatment
S7.13.1	4.5.1	Preheating
S7.13.2	4.5.2	Postweld Heat Treatment
S7.14	Supplement 4	Recommended Procedures for Repairing Pressure Relief Valves
S7.14.1	S4.1	Introduction
S7.14.2	S4.2	Spring-loaded Pressure Relief Valves
S7.14.3	S4.3	Pilot Operated Pressure Relief Valves

Part 3 Supplement 8 = Part 4 Supplement 5 Recommended Guide for the Design of a Test System for Pressure Relief Devices in Compressible Fluid Service

S8.1	S5.1	Scope
S8.2	S5.2	General
S8.3	S5.3	Test System Description
Figure S8.3-a	Figure S5.3-a	Schematic of Test Equipment with Accumulator
Figure S8.3-b	Figure S5.3-b	Schematic of Test Equipment without Accumulator
S8.4	S5.4	Test Vessel Sizing Data
Figure S8.4-a	Figure S5.4-a	Recommended Test Vessel Size, Test Medium: Steam
Figure S8.4-b	Figure S5.4-b	Recommended Test Vessel Size, Test Medium: Air or Gas

Part 3 Supplement 9 = Part 4 Supplement 6 Procedures to Extend the "VR" Certificate of Authorization and Stamp to ASME "NV" Stamped Pressure Relief Devices

S9.1	S6.1	Introduction
S9.2	S6.2	Administrative Procedures
S9.3	S6.3	General Rules