

AMERICAN NATIONAL STANDARD
REACTOR PLANTS AND THEIR MAINTENANCE

Self-Operated and Power-Operated
Safety-Related Valves
Functional Specification Standard

ANSI N278.1 - 1975

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AMERICAN NATIONAL STANDARD

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FOREWORD

(This foreword is not part of American National Standard Self-operated and Power-operated Safety-Related Valves Functional Specification Standard)

This standard is one of a series of power plant equipment standards provided to assure that safety-related equipment will function as specified. The standard was developed under sponsorship of the American Society of Mechanical Engineers (ASME) as an effort by the American National Standards Committee N45 on Reactor Plants and Their Maintenance. This committee has been chartered to promote the development of standards for the location, design, construction, and maintenance of nuclear reactors and plants embodying nuclear reactors, including equipment, methods, and components specifically for this purpose.

In October of 1972, the N45 Committee of ANSI established a task force to prepare a series of standards to assure that safety-related valves would function as specified. This standard provides for the specification of the required functional characteristics of these valves. Utilization of this standard will provide assurance that the functional requirements of valves are fully described so that valves can be designed to provide safe, reliable operation for all foreseeable conditions including preoperational tests and extreme limits of plant design conditions.

Suggestions for improvement gained in the use of this standard will be welcomed. They should be sent to the secretary, American National Standards Committee N45, The American Society of Mechanical Engineers, United Engineering Center, 345 East 47th Street, New York, New York 10017.

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