

U S A S T A N D A R D

Graphic Symbols for Fluid Power Diagrams

USAS Y32.10 - 1967

REAFFIRMED 1999

FOR CURRENT COMMITTEE PERSONNEL
PLEASE SEE ASME MANUAL AS-11

American National Standard

This standard is one of approximately 6000 approved as either a USA Standard or as an American Standard. It became an American National Standard in October 1969 when the institute changed its name to American National Standards Institute, Inc.

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Foreword

THE Joint Industry Conferences (JIC) gave the first industrial recognition to circuit diagraming by using graphic symbols. Electrical symbols led the way in 1947, and formed the patterns of diagrams to follow, such as those released with the JIC Hydraulic Standards in 1948, and the JIC Pneumatic Standards in 1950.

The Graphic symbols portion of the Hydraulic Standard found increasing acceptance. In 1954, a task group was created within the American Standards Association to develop a symbology which would permit the diagraming of both hydraulic and pneumatic circuits. This task group effort resulted in ASA Y32.10-1958. Industry acceptance was immediate. Y32.10 (and a companion work, Y14.17) was quickly made a part of the JIC Pneumatic and Hydraulic Standards.

Subsequent international interest was reflected in the British Standard 2917, the Australian Document No. 731, and in the European Oil Hydraulic Technical Commission formed in 1960. Improved continuing coordination with comparable activities of the International Electrotechnical Commission (IEC) and the International Organization for Standardization (ISO) is accomplished through the participation of members of the ASA task group in meetings of the IEC and ISO.

The notation IEC adjacent to symbols indicates that symbol has been recommended by the International Electrotechnical Committee.

As a result, the standard presented here is one which crosses language barriers. It is not tied specifically to the English language. It reflects the thoughtful contributions of representatives from many nationalities and from the American Industries it is intended to serve.

The symbols in this standard are the best that can be attained at this time. Standardization, however, must be dynamic, not static, and any solution of a problem should be tested through use and revised if necessary. It is anticipated therefore that the contents of this standard will be modified as future needs dictate. It is contemplated that such modifications will be made available through the issuance of approved supplements. Suggestions for improvement will be welcomed. They should be addressed to the Secretary, Task Group on Graphic Symbols for Fluid Power Diagrams, The American Society of Mechanical Engineers, United Engineering Center, 345 East 47th Street, New York, N. Y. 10017, with a copy to the United States of America Standards Institute, 10 East 40th Street, New York, N. Y. 10016. The revised proposal was submitted to the Sponsor organization and to United States of America Standards Institute for final approval as a USA Standard. This approval was granted on February 21, 1967.

