
International Standard



7508

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Unplasticized polyvinyl chloride (PVC-U) valves for pipes under pressure — Basic dimensions — Metric series

Robinets en polychlorure de vinyle non plastifié (PVC-U) pour tubes avec pression — Dimensions de base — Série métrique

First edition — 1985-11-01

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 7508 was prepared by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

Unplasticized polyvinyl chloride (PVC-U) valves for pipes under pressure — Basic dimensions — Metric series

0 Introduction

This International Standard deals with current types of valves; it should be used for guidance by the manufacturer and user and as a basis for specific standards. It may later be extended to other types of valves, when the development of plastics materials in the field of pipe systems makes this necessary.

The possible connections to the various pipe systems will form the subject of a future International Standard.

Extension to other types should be made by observing the principles laid down in this International Standard.

1 Scope

This International Standard specifies the series of diameters to be used and the basic dimensions which are common to all types of unplasticized polyvinyl chloride (PVC-U) valves for pipes under pressures of 10 and 16 bar, regardless of their method of manufacture and composition.

2 Field of application

This International Standard applies to

- valves of PN 10 and 16 for nominal outside diameters, d_e from 16 to 160 mm with flanges DN from 10 to 150, given in table 1;
- butterfly valves of PN 10 and 16 with flanges for nominal sizes (DN) from 40 to 300 and flangeless (wafer) butterfly valves for nominal sizes (DN) from 40 to 300, given in table 2;
- valves with plain spigot ends for PVC-U pipe diameters from 16 to 160 mm, given in table 3;

- valves with plain socket ends for PVC-U pipe diameters from 16 to 90 mm, given in table 4.

3 References

ISO 161/1, *Thermoplastics pipes for the transport of fluids — Nominal outside diameters and nominal pressures — Part 1: Metric series.*

ISO 264, *Unplasticized polyvinyl chloride (PVC-U) fittings with plain sockets for pipes under pressure — Laying lengths — Metric series.*

ISO 727, *Fittings of unplasticized polyvinyl chloride (PVC-U), chlorinated polyvinyl chloride (PVC-C) and acrylonitrile/butadiene/styrene (ABS) with plain sockets for pipes under pressure — Dimensions of sockets — Metric series.*¹⁾

ISO 2536, *Unplasticized polyvinyl chloride (PVC-U) pressure pipes and fittings, metric series — Dimensions of flanges.*

ISO 3460, *Unplasticized polyvinyl chloride (PVC-U) pressure pipes — Metric series — Dimensions of adaptor for backing flange.*

ISO 4434, *Unplasticized polyvinyl chloride (PVC-U) adaptor fittings for pipes under pressure — Laying length and size of threads — Metric series.*

ISO 5752, *Metal valves for use in flanged pipe systems — Face-to-face and centre-to-face dimensions.*

ISO 7349, *Thermoplastics valves — Connection references.*

1) At present at the stage of draft. (Extended revision of ISO 727-1979.)