

Australian Standard™

**Laboratory glassware—Glass
condensers with interchangeable
ground glass joints**

STANDARDS
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PREFACE

This Standard was prepared by the Standards Australia Committee CH-001, Laboratory Glassware and Related Apparatus to supersede AS 2406—1981, *Laboratory glassware—Glass condensers with interchangeable ground glass joints*.

The objective of this Standard is to ensure that the requirements for a series of typical glass condensers with interchangeable ground glass joints for general laboratory use are achieved.

The objective of this revision is to reconfirm the Standard with minor changes including the following:

- (a) Referenced documents have been updated.
- (b) The Standard has been brought into line with current editorial practices.

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STANDARDS AUSTRALIA

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Laboratory glassware—Glass condensers with interchangeable ground glass joints

1 SCOPE

This Standard specifies requirements for a series of typical glass condensers with interchangeable ground glass joints suitable for general laboratory use.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

| | |
|------|---|
| AS | |
| 2409 | Interchangeable conical ground glass joints |
| 2410 | Interchangeable spherical ground glass joints |
| ISO | |
| 3585 | Borosilicate glass 3.3—Properties |

3 TYPES OF CONDENSER

The following types of condenser are specified:

- (a) Air condenser—
 - (i) with cone and socket (see Figure 1)
 - (ii) with cone only (see Figure 2)
- (b) Liebig condenser
 - (i) with cone and socket (see Figure 3)
 - (ii) (see Figure 4)
 - (iii) with spherical cup only (see Figure 5)
- (c) Allihn (bulb) condenser—
 - (i) with external cone (see Figure 6)
 - (ii) with water-cooled cone (see Figure 7)
- (d) Graham (spiral) condenser—
 - (i) with cone and socket (see Figure 8)
 - (ii) with cone only (see Figure 9)
- (e) Davies (double-surface) condenser (see Figure 10)
- (f) Jacketed coil condenser (see Figure 11)
- (g) Inland revenue condenser (see Figure 12)

4 MATERIAL

Condensers shall be made of borosilicate glass 3.3 in accordance with ISO 3585. They shall be well annealed and shall be free from internal stress and visible defects.