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**AS 2120 — 1977**  
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# Australian Standard 2120-1977

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## SUCTION SYSTEMS FOR MEDICAL USE IN HOSPITALS



**STANDARDS ASSOCIATION OF AUSTRALIA**  
*Incorporated by Royal Charter*



THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL organizations and departments were officially represented on the committee entrusted with the preparation of this standard:

Associated Chambers of Manufactures of Australia  
Association of Consulting Engineers of Australia  
Australian Society of Anaesthetists  
Department of Construction  
Departments of Health  
Hospitals and hospital associations  
Institute of Hospital Engineers  
Metal Trades Industry Association of Australia  
Royal Australasian College of Surgeons  
State Departments of Public Works and Public Buildings

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To keep abreast of progress in industry, Australian standards are regularly reviewed. Suggestions for improvements to published standards, addressed to the head office of the Association, are welcomed.

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STANDARDS ASSOCIATION OF AUSTRALIA  
**AUSTRALIAN STANDARD**

**RULES FOR  
SUCTION SYSTEMS FOR  
MEDICAL USE IN HOSPITALS**

**AS 2120 — 1977**

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## PREFACE

This standard was prepared by the Association's Committee on Medical Gases and Pipeline Services, under the authority of the Medical Materials and Equipment Standards Committee.

In the preparation of this standard, the committee took account of BS 4957, Medical Vacuum Pipeline Services for Use in Hospitals. The British standard specifies that each suction service point should be capable of permitting a free air flow of not less than 40 l/min when the ambient pressure is reduced to a gauge pressure of  $-53$  kPa. The draft on which BS 4957 was based required a gauge pressure of  $-67$  kPa. The committee responsible for the preparation of this standard decided on  $-60$  kPa gauge pressure at the inlet to the suction service point as a reasonable compromise, which would be suitable for both compressed gas venturi ejector suction and pipeline suction.

This standard makes reference to the following standards:

- AS 1169 SAA Medical Agents and Gases Safety Code
- AS 1324 Air Filters for Use in Air Conditioning and General Ventilation
- AS 1345 Identification of Piping, Conduits and Ducts
- AS 1349 Bourdon Tube Pressure and Vacuum Gauges
- AS 1432 Copper Tubes for Water, Gas and Sanitation
- AS 3000 SAA Wiring Rules
- AS K185 Colours for Specific Purposes
- AS Z9 Barometer Conventions and Tables
- BS 2050 Electrical Resistance of Conductive and Anti-static Products made from Flexible Polymeric Material
- BS 2775 Rubber Stoppers and Tubing of Flexible Materials for Laboratory Use

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