AS 4211.3—1996

Australian Standard®

Gas recovery or combined recovery and recycling equipment

Part 3: Fluorocarbon refrigerants from commercial/domestic refrigeration and airconditioning systems

This Australian Standard was prepared by Committee ME/75, Gas Recovery and Reclaiming Equipment. It was approved on behalf of the Council of Standards Australia on 15 October 1996 and published on 5 December 1996.

The following interests are represented on Committee ME/75:

Air Conditioning and Mechanical Contractors Association of N.S.W.

Airconditioning and Refrigeration Equipment Manufacturers Association of Australia

Appliance Industry Association

Association of Fluorocarbon Consumers and Manufacturers

Australian Automotive Aftermarket Association

Australian Chamber of Manufactures

Australian Industrial Gas Manufacturers Association

Australian Institute of Refrigeration, Air Conditioning and Heating

Commercial Refrigeration Manufacturers Association of Australia

Department of Environment and Natural Resources, S.A.

Department of Fair Trading, N.S.W.

Environment Protection Authority of N.S.W.

Fire Protection Industry Association of Australia

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Motor Trades Association of Australia

Motor Vehicle Repair Industry Council

New South Wales TAFE Commission

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PREFACE

This Standard was prepared by the Standards Australia Committee ME/75 on Gas Recovery and Reclaiming Equipment.

In view of concern about the effect that chlorofluorocarbons (CFCs) and halons, used in refrigeration, airconditioning and firefighting equipment have on the stratospheric ozone layer it has become mandatory to recover these ozone depleting substances rather than vent them to atmosphere during servicing of equipment.

Recycling the refrigerant to remove contaminants will assure that system operation with recycled refrigerant will provide the same level of performance as those systems using new refrigerant.

This Standard is Part 3 in a series of Standards which provide minimum equipment requirements for recovery or combined recovery and recycling equipment. The objective of this Part is to provide manufacturers of recovery or combined recovery and recycling equipment to be used on commercial and domestic systems with minimum equipment requirements. Test methods to determine equipment performance are also included. Other Parts are specific to other industries such as automotive, or fire protection.

It is recommended that synthetic substances used as alternatives to CFCs and halons, including HCFCs and HFCs, should be recovered, or recovered and recycled.

In preparing this Standard, cognizance was taken of ISO Committee Draft, ISO/DIS 11650, Performance of Refrigerant Recovery and/or Recycling Equipment and AS 4211.1(Int)—1994: Gas recovery or combined recovery and recycling equipment Part 1: Automotive air-conditioning systems.

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

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