

Rubber hose assemblies for oil suction and discharge services —

Part 1: Specification for the assemblies

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Rubber Standards Committee (RUM/-) to Technical Committee RUM/9, upon which the following bodies were represented:

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- British Coal
- British Compressed Gases Association
- British Gas plc
- British Railways Board
- British Rubber Manufacturers' Association
- Chief and Assistant Chief Fire Officers' Association
- Fire Extinguishing Trades Association
- Health and Safety Executive
- Home Office
- Institution of Fire Engineers
- Institution of Production Engineers
- Liquefied Petroleum Gas Industry Technical Association (UK)
- London Regional Transport
- Malaysian Rubber Producers' Research Association
- Ministry of Defence
- Society of Motor Manufacturers and Traders Limited
- Water Authorities Association

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

- British Plastics Federation
- Energy Industries Council
- Engineering Equipment and Materials Users' Association
- Petrol Pump Manufacturers' Association
- United Kingdom Petroleum Industry Association Ltd.

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Foreword

This Part of BS 1435 has been prepared under the direction of the Rubber Standards Committee and is a revision of BS 1435:1975 which is withdrawn. It specifies minimum requirements for the satisfactory performance of wire reinforced rubber hose assemblies of both smooth and rough bore types for oil suction and discharge services. They are commonly used for transferring crude oil and liquid petroleum products, other than liquefied petroleum and natural gases, to and from tanker and bunkering vessels or for similar duties ashore.

This revision includes an additional type of hose assembly, referred to as type A. Type A hose assemblies are armoured and are also lighter and more flexible than type R hose assemblies.

Marine hose assemblies for submarine and floating services in offshore moorings and operations, designated type M in BS 1435:1975, are not within the scope of this revision and will be the subject of a new British Standard.

For clarity this Part of BS 1435 has been divided into five sections as follows:

- *Section 1: General requirements for all hose assemblies;*
- *Section 2: Specific requirements for type R, rough bore hose assemblies;*
- *Section 3: Specific requirements for type A, armoured rough bore hose assemblies;*
- *Section 4: Specific requirements for type S, smooth bore hose assemblies;*
- *Section 5: Specific requirements for type L, lightweight hose assemblies for discharge purposes only.*

Specific details of hose construction are not rigidly defined in this Part since it is felt that this could restrict the introduction of improved methods of construction. It should be noted that no reference is made to the hose assembly working pressure. Instead, the hose assemblies have been classified in terms of service pressure, which includes an allowance for surge pressure and which equates with the factory test pressure. It is the responsibility of the user to determine the appropriate working pressure, which will depend on the severity of the user's operating conditions and on the service life that is expected of the hose assembly.

Service recommendations for oil suction and discharge hose assemblies, included in Appendix A of the 1975 edition, will be contained in BS 1435-2¹⁾ dealing with the storage, testing and use of rubber hose assemblies complying with this Part. Attention is also drawn to BS 3574 and to BS 5244.

It is necessary for the purchaser to provide certain information about the hose assembly and its intended use at the time of enquiry or order; this information is listed in Appendix A. Recommendations concerning packaging and transportation are given in Appendix B and recommended masses of hoses, in kilograms per metre of free length, are given in Appendix C.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 12, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

¹⁾ In preparation.

