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Heat Transfer Series record of documents

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HEAT TRANSFER SERIES RECORD OF DOCUMENTS

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HEAT TRANSFER SERIES RECORD OF DOCUMENTS

1. PREFACE TO HEAT TRANSFER SERIES

Engineers concerned with heat transfer equipment face an ever-increasing demand for products with a performance that must be substantiated under stringent constraints of cost and operation. Customers for their products are skilled in the ways of achieving, and are fully aware of what can be achieved by, competitively designed equipment. Assuming the basic skill of the designer, no other single factor can contribute more to the economic preparation of a satisfactory, competitive design than the data upon which that design is based and the speed with which those data can be found and applied.

Heat transfer data, in common with those relating to many other disciplines of concern to the engineer, are widely scattered and when found are of variable quality and relevance to the industrial application. Engineers do not, generally speaking, have the facilities to collect and evaluate all the data available which may be applicable to each aspect of their work. Even if they had the desire to undertake such a task it is unlikely that they could allow the time necessary to prepare their own data “working tools” at the expense of time spent in the application of knowledge and experience to the particular job in hand. In any case, equipment users will increasingly wish to view the design, not against some locally-derived data but against what can be demonstrated to be the best available data whose integrity is underwritten by a significant cross-section of the engineering community concerned with the derivation and application of that data. It is ESDU’s purpose to provide such data in many fields. ESDU has prepared this information for both the designer and equipment user and, by serving the needs of many, accomplishes the task at much lower cost than could apply to individuals performing it on their own behalf.

At ESDU qualified staff and experienced contractors collect and evaluate existing data. Irrelevant or unreliable data are discarded; those remaining are correlated and presented as an authoritative working tool for engineering applications. Technical guidance on individual Data Items is given by Working Parties of specialists drawn from industry, national laboratories and the universities together with other leading specialists. New work is prepared under the guidance of the Heat Transfer Steering Group which first met in 1966 and now has the following membership:

Chairman	
Prof. P.J. Heggs	– University of Leeds, UK
Vice-Chairman	
Dr R. Cheesewright	– Independent, UK
Members	
Dr T.R. Bott	– University of Birmingham, UK
Dr L. Haseler	– AspenTech, UK
Dr W.J. Marner*	– Jet Propulsion Laboratory, Pasadena, USA
Dr A.C. Pauls*	– Independent, USA
Mr R.E. Sacks	– Air Products Ltd, UK
Eur. Ing. M.A. Taylor	– Independent, UK
Mr G.H. Walter	– Independent, UK
Dr D. Wilkie	– Independent, UK.

* Corresponding Member

The person with overall responsibility for the work in this area is Mr Simon J. Pugh, Director of Process Engineering Technology.