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P. Dunn, David Reay

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P. Dunn, David Reay : Heat Pipes before purchasing it in order to gage whether or not it would be worth my time, and all praised Heat Pipes:

6 of 6 people found the following review helpful. Practical Heat Pipes By D. Elliott Although it includes a lot of theory and mathematical support of the theory of heat pipe function, what we like is the practical information on how to build a heat pipe and what has worked best in the past. It shows many techniques and tell which work best and why. Now we can pick and choose what works best in our application. We can proceed without reinventing the wheel. Thank you.

It is approximately 10 years since the Third Edition of Heat Pipes was published and the text is now established as the standard work on the subject. This new edition has been extensively updated, with revisions to most chapters. The introduction of new working fluids and extended life test data have been taken into account in chapter 3. A number of new types of heat pipes have become popular, and others have proved less effective. This is reflected in the contents of chapter 5. Heat pipes are employed in a wide range of applications, including electronics cooling, diecasting and injection moulding, heat recovery and energy conservation, de-icing and manufacturing process temperature control, and chapter 7 discusses some of the latest uses, while retaining full data on those established for many years. Appendices have been updated, as appropriate.

* Long established as the standard work on heat pipes * Suitable for use as a professional reference and graduate text; contains all information required to design and manufacture a heat pipe * Revised with greater coverage of key electronics cooling application and a new design guide Heat pipes are used in a wide range of applications, including electronics cooling, die-casting and injection moulding, heat recovery and energy conservation, de-icing and manufacturing process temperature control, and in domestic appliances. An essential guide for practicing engineers and an ideal text for postgraduate students, the book takes a highly practical approach to the design and selection of heat pipes. It is both a useful sourcebook and an accessible introduction for those approaching the topic for the first time. From the Back Cover The standard resource on heat pipe theory, design and applications The decade since the last edition of Heat Pipes was published has seen a transformation in heat pipe technology and application. The technology has proved beneficial in a wide range of applications, including electronics cooling, die-casting and injection moulding, heat recovery and energy conservation, de-icing and manufacturing process temperature control, as well as in domestic appliances. This is a key reference for anyone with thermal interests in these and other fields. This latest edition of has been extensively revised and expanded, with new information on the underlying theory of heat pipes and heat transfer, data on pulsating heat pipes and capillary pumped loops, new chapters on design and on electronics cooling applications, and updated applications.. Detailed coverage of heat pipe theory, design and applications. A

highly practical approach provides the information required to select, design, or manufacture a heat pipe .Expanded coverage of key applications including electronics cooling, plus a new design guideSuitable for use as a professional reference and graduate text, this is a sourcebook for those already having knowledge and experience of heat pipes, and will provide an accessible introduction for those approaching the topic for the first time.David Reay manages David Reay Associates, UK and is a Visiting Professor at Heriot-Watt University, UK, Brunel University, UK and a Special Professor at Nottingham University, UK. Peter Kew is a Senior Lecturer at Heriot-Watt University, UK.Related titlesModest, Radiative Heat Transfer 2e, 0125031637Bryant, Refrigeration Equipment 2e, 0750636882Trott Welch, Refrigeration and Air-conditioning, 075064219XAbout the AuthorDavid Reay manages David Reay Associates, UK and is a Visiting Professor at Heriot-Watt University, UK, Brunel University, UK and a Special Professor at Nottingham University, UK. Peter Kew is a Senior Lecturer at Heriot-Watt University, UK

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