

**HVCA**

**INSTALLATION AND  
TESTING OF  
PIPEWORK SYSTEMS**

**Heating and  
Ventilating  
Contractors'  
Association**

**PART SIX -  
CHILLED WATER**



**TR/20**

# TR/20 Installation and Testing of Pipework Systems

# TR/20 Part 6 *Chilled Water*

## Acknowledgements

---

### Members the drafting panel who compiled this guide

*The HVCA wishes to record its' sincere thanks to the following members of the TR/20 drafting Subcommittee, without whose direct input of knowledge, time and experience this publication would not have been produced.*

John StClair

---

Eric Innes

---

Cliff Toft

---

Geoffrey Robinson

---

Alan Keating – Secretary

---

Frank J Ferris - Consultatant

---

The HVCA also wishes to acknowledge the input from BSRIA, CIBSE, IoP, IGEM, OFTEC, plus the remaining members of the Technical Committee for their time, input and vetting.

ISBN 0-903783-45-2

First published 2003

©2003 HVCA

# FOREWORD



**T**R/20 is published against a background of significant change within the building services engineering sector over recent years. Of particular note has been the industry wide campaign to raise standards and performance through the Construction Best Practice Programme.

Much effort has been and continues to be made to raise the productivity, performance and competence standards of our sector.

To support this programme HVCA has undertaken to provide a number of measures designed to demonstrate and achieve positive differentiation of their members. One such measure has been to undertake a fundamental review of TR/10, the previous HVCA standard for Installation work 'Heating Hot and Cold Water Supply'.

As a result of this review TR/20 replaces TR/10 and emerges as a new standard for 'The Installation and Testing of Pipework Services' for the building services engineering sector. It embraces a comprehensive range of pipework services and is structured as a set of 10 'stand alone' sectionalised specifications.

The objective of TR/20 is to provide a pipework installation specification that will ensure compliance with accepted good practice. It is intended that this standard specification will be used generally as a means of measurement and assessment of a contractor's performance and, specifically, to demonstrate compliance and competence under the HVCA Inspection and Assessment arrangements.

It is envisaged that TR/20 be used either in the absence of a client specification or by specific reference as an integral part of such a specification.

It is also proposed that TR/20 be used as a quality benchmark whereby any shortfall identified within an alternative specification is drawn to the client's attention.

Unlike its forerunner, TR/20 does not address design or commissioning requirements. These are considered to be very ably addressed by other industry documents already in place published by CIBSE, BSRIA, OFTEC and others, for which appropriate references are provided.

TR/20 also excludes equipment incorporated within or connected to the pipework installation. The specification and selection of equipment is considered to be a responsibility of the system designer who should ensure that where appropriate the selection is compliant with the client's brief.

Additionally, it is not the policy of the HVCA to promote any particular product or manufacturer.

During the review and drafting process the drafting Sub-committee has consulted widely with individuals and external organisations to ensure that the new standard fully reflects the industry's current good practice.

The resulting publication will, I believe, serve as a recognised benchmark for our industry sector and HVCA members in particular. I take this opportunity to thank all who have contributed to its production and in particular the members of the TR/20 Sub-committee for their tireless efforts and collective contribution of invaluable knowledge and experience.

**John Hunt**  
Chairman Technical Committee