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Nota di contenuto	Contents; Acknowledgements; Introduction; 1 General considerations; 1.1 Legislation; 1.2 Guidance and approval of water fittings; 1.3 Scope of the standard; 1.4 Definitions; 1.5 Materials; 1.6 Initial procedures; 2 Cold water supply; 2.1 Drinking water; 2.2 Cold water systems; 2.3 Storage cisterns; 2.4 Valves and controls; 2.5 Water revenue meters; 2.6 Boosted systems; 2.7 Water treatment; 3 Hot water supply; 3.1 System choice; 3.2 Instantaneous water heaters; 3.3 Water-jacketed tube heaters; 3.4 Storage type water heaters and boiler heated systems; 3.5 Primary circuits 3.6 Secondary hot water distributing systems3.7 Components for hot water systems; 3.8 Energy supply installations; 4 Prevention of bursting; 4.1 Energy control; 4.2 Pressure and expansion control; 4.3 Control of water level; 5 Pipe sizing; 5.1 Sizing procedure for supply pipes; 5.2 Tabular method of pipe sizing; 5.3 Sizing cold water storage; 5.4 Sizing hot water storage; 5.5 Legionella - implications in sizing storage; 6 Preservation of water quality; 6.1 Materials in contact with water; 6.2 Stagnation of water and Legionella; 6.3 Prevention of contamination by cross connection

6.4 Backflow protection; 6.5 Backflow prevention devices; 6.6 Wholesite and zone backflow protection; 6.7 Application of backflow prevention devices; 7 Frost precautions and maintenance of water temperature; 7.1 Protection from frost; 7.2 Protection of pipes and fittings; 7.3 Draining facilities; 7.4 Insulation; 8 Water economy and energy conservation; 8.1 Water economy; 8.2 Energy conservation; 9 Noise and vibration; 9.1 Flow noises; 9.2 Water hammer noise; 9.3 Other noises; 9.4 Noise transmission and reduction; 10 Accessibility of pipes and water fittings; 10.1 Pipes passing through walls, floors and ceilings; 10.2 Stopvalves; 10.3 Water storage cisterns; 11 Installation of pipework; 11.1 Steel pipes; 11.2 Copper pipes; 11.3 Stainless steel pipes; 11.4 Plastics pipes; 11.5 Iron pipes; 11.6 Asbestos cement pipes; 11.7 Lead pipes; 11.8 Connections between pipes of different materials; 11.9 Connections to cisterns and tanks; 11.10 Branch connections for buildings; 11.11 Contamination of mains; 11.12 Laying underground pipes; 11.13 Pipework in buildings; 11.14 Electrical earthing and bonding; 11.15 Jointing of pipework for potable water; 11.16 Testing; 11.17 Identification of valves and pipes; 12 Commissioning and maintenance of pipelines, services and installations; 12.1 Inspections; 12.2 Testing for soundness; 12.3 Testing methods; 12.4 Flushing and disinfection; 12.5 Maintenance; 12.6 Locating leaks; 12.7 Occupier information; British Standards relevant to this book; References; Index

Sommario/riassunto

This book provides a highly illustrated guide to the design, installation and maintenance of hot and cold water supply systems for domestic buildings. Based on British Standard BS 6700, the new edition takes into account revisions to the standard since the book was first published in 1991. It has also been updated to give guidance on the 1999 Water Supply Regulations and includes revisions to the Building Regulations. Written for designers and installers, this immensely practical book will also be of interest to technical staff of water undertakers, property services managers and stu
