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4.14 DYNAMIC COMPRESSORSChapter 5 Oil in refrigerant circuits; 5.1 INTRODUCTION; 5.2 REQUIREMENTS AND CHARACTERISTICS; 5.3 MOISTURE AND AIR CONTAMINATION; 5.4 OIL SEPARATORS; 5.5 OIL CIRCULATION; Chapter 6 Condensers and cooling towers; 6.1 INTRODUCTION; 6.2 HEAT TO BE REMOVED; 6.3 AIR-COOLED CONDENSERS; 6.4 WATER-COOLED CONDENSERS; 6.5 COOLING TOWERS; 6.6 EVAPORATIVE CONDENSERS; 6.7 WATER TREATMENT; 6.8 CONDENSER MAINTENANCE; 6.9 LEGIONELLA; 6.10 CONDENSER FITTINGS; 6.11 OTHER FORMS OF CONDENSER; 6.12 WINTER OPERATION; 6.13 RECEIVERS; 6.14 DRY COOLERS; Chapter 7 Evaporators; 7.1 INTRODUCTION
7.2 AIR COOLING EVAPORATORS7.3 LIQUID COOLING EVAPORATORS; 7.4 PLATE EVAPORATORS FOR FREEZING; 7.5 DEFROSTING; 7.6 CONDENSATE PUMPS; Chapter 8 Expansion valves; 8.1 INTRODUCTION; 8.2 THERMOSTATIC EXPANSION VALVES; 8.3 EXTERNAL EQUALIZER; 8.4 ELECTRONIC EXPANSION VALVES; 8.5 CAPILLARY TUBES AND RESTRICTORS; 8.6 LOW-PRESSURE FLOAT VALVES AND SWITCHES; 8.7 HIGH-PRESSURE FLOAT VALVES; 8.8 OTHER LEVEL CONTROLS; Chapter 9 Controls and other circuit components; 9.1 INTRODUCTION; 9.2 THERMOSTATS; 9.3 HUMIDISTATS; 9.4 PRESSURE SWITCHES; 9.5 OIL PRESSURE SWITCHES; 9.6 PRESSURE GAUGES
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10.9 RE-CHECK COMPONENTS

Sommario/riassunto

Now in its fourth edition, this respected text delivers a comprehensive introduction to the principles and practice of refrigeration. Clear and straightforward, it is designed for students (NVQ/vocational level) and professional HVAC engineers, including those on short or CPD courses. Inexperienced readers are provided with a comprehensive introduction to the fundamentals of the technology. With its concise style yet broad sweep the book covers most of the applications professionals will encounter, enabling them to understand, specify, commission, use and maintain these systems. Many readers w

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