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COMPRESSOR EFFICIENCY; 4.11 SCREW COMPRESSORS; 4.12 SCROLL COMPRESSORS; 4.13 SLIDING AND ROTARY VANE COMPRESSORS 4.14 DYNAMIC COMPRESSORS Chapter 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 EVAPORATORS 7.3 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 9.7 SOLENOID VALVES 9.8 EVAPORATOR PRESSURE REGULATION VALVES; 9.9 HOT GAS BY-PASS VALVES; 9.10 SHUT-OFF VALVES; 9.11 FILTER-DRIERS; 9.12 SIGHT GLASSES; 9.13 SUCTION ACCUMULATORS; 9.14 SUCTION-TO-LIQUID HEAT EXCHANGERS; 9.15 CONDENSER PRESSURE REGULATORS; 9.16 RELIEF VALVES; 9.17 STRAINERS; 9.18 CHARGING CONNECTION; 9.19 CHECK VALVES; 9.20 LIQUID REFRIGERANT PUMPS; Chapter 10 Component selection and balancing; 10.1 INTRODUCTION; 10.2 CRITERIA AND OPTIONS; 10.3 EVAPORATING TEMPERATURE; 10.4 EVAPORATOR; 10.5 COMPRESSOR; 10.6 CONDENSER; 10.7 EXPANSION VALVE; 10.8 SIZING PIPE AND OTHER COMPONENTS 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

2. Record Nr.	UNINA9910518205303321
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Altri autori (Persone)	Bensaude VincentBernadette Bertomeu SánchezJosé Ramón DoddsDawn FrobertLudovic GuillemainHervé HayatSamuel JarrigeFrançois Le RouxThomas PortalezChristophe SueurNicolas BarbierJonathan
Soggetti	History & Philosophy Of Science XIXe siècle France république Raspail science populaire
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Sommario/riassunto	Longtemps décrite comme de la simple vulgarisation, l'œuvre de François-Vincent Raspail (1794-1878) mérite aujourd'hui un nouvel examen. Il doit être conduit en portant attention à la multiplicité des expressions de cette oeuvre – chimie, économie, médecine, agronomie, météorologie, pensée politique et sociale – ; et en tentant d'en signaler

la portée créative ainsi que sa volonté d'en diffuser les lumières au plus grand nombre afin de lui permettre de participer aux progrès en cours. Il s'agit aussi de mettre en exergue le développement de cette réflexion avec une inscription souvent décisive de Raspail dans les événements de son temps, de la révolution de 1830 jusqu'à la Troisième République.
