

	Page		Page
Conductors	275	Density of liquids, table of	521
definition of	275	Design	
heating	279	air ducts	445, 449
heat emission of pipe coil	284	chimneys	242, 256
heat transmission of	279	dryers	484
pin-type	285	fan pressure warm air systems	151
Connections		hoods for exhaust systems	467
blast heater	366	ventilating systems	87, 123
gas appliances for kitchens	391	warm air furnaces, fan pressure	151
heater	363	warm air furnaces, gravity	128
Hartford return	360	Dew-point	
mains	360	control	174
pipe coil	366	definition of	162
piping	360	relation of relative humidity to	165
return connections for kitchens	390	Differential vacuum heating system,	
steam supply for kitchens	390	definition of	331
sterilizers	395	Direct gravity ventilating systems	120
unit heater	195, 366	Direct-indirect gravity ventilating systems	120
vapor and vacuum system	361	Disc and propeller fans	432
water connections for kitchens	390	Domestic heating by electricity	248
Constant temperature drying	472	Domestic heating by gas	158, 220
Construction of dryers	489	Domestic heating by oil	
Continuous operation drying	470	burner installations	240
Continuous type ventilators	116	burners, types of	236
Control		chimney design	242, 256
dew-point	174	fuel oils	235
drying operation	480	hot water heating	241
gas-fired boilers	230	ignition, systems of	237
humidity	179	methods of operation	235
motive power for fans	439, 441	oil storage tanks	242
oil-fired heating system	238	safety controls	239
temperature	287	temperature control	238
Convectors		Down-draft furnaces	212
blast	286	Down-feed systems, definition of	332
cabinet	286	Draft	
cast iron gravity indirect	283	available	253
concealed	286	measurement	251
definition of	276	natural	251
factors affecting heat emission	277	required for burning coal	207, 209
indirect gravity	286	theoretical	252
unit of heat output	276	Drafting symbols for heating and	
Conveyor pipes for dust	467	ventilation	523, 524, 525
Conveyor pipes for exhaust systems	467	Drum dryers	473
Cooling units	198	Dry air	
Corrosion, pipe	301	properties of	520
Costs, heating		velocities at various temperatures	446, 517, 518
coal	216	and pressures	187
electricity	247	Dry air filters	
gas	219	Dryers	
oil	231	air current	473
Cross-connecting coal and gas boilers	230	arrangement and construction	489
Cross-sections for materials	525, 526	cylinder or can	473
Cylinder or can dryers	473	design	484
		drum dryers	473
		experimental technique	489
		loft, compartment, cabinet or room	474
		mechanical contact	473
		methods of calculation	484
		operating	480
		pan or agitator	473
		rotary	473
		rule of thumb estimating	489
		spray	473
		types of	473
		tunnel	474
		Drying	
		adiabatic drying	472
		continuous and intermittent operation	470
		constant temperature drying	472
		constant rate period	475
		cycle	476
		capillary and hygroscopic moisture	476
		control of drying operation	480
		circulation control	480
		equilibrium moisture content	479
		falling rate period	475
		fiber saturation point	477
D			
Dairy barr ventilation	501		
Definitions			
British thermal unit	513		
calorie	513		
conductors	275		
convectors	276		
dew-point	262		
differential vacuum heating system	331		
down-feed systems	332		
dust	181		
fumes	181		
gravity heating systems	331		
pumps	322, 325		
smokes	181		
steam heating systems	331		
two-pipe heating systems	332		
up-feed systems	332		
vacuum heating systems	331		
vapor heating systems	331		
wet returns	332		
Degree-days	220		
Dehumidification, systems of	176		