

HEATING VENTILATING AIR CONDITIONING GUIDE 1942

TABLE 1. DESIRABLE TEMPERATURES AND HUMIDITIES FOR INDUSTRIAL PROCESSING

INDUSTRY	PROCESS	TEMPERATURE DEGREES FAHRENHEIT	RELATIVE HUMIDITY PER CENT
AUTOMOBILE.....	Assembly line.....	65	40
BAKING.....	Cake icing.....	70	50
	Cake mixing.....	75	65
	Dough fermentation room.....	80	76 to 80
	Loaf cooling.....	70	60 to 70
	Make-up room.....	75 to 80	55 to 70
	Mixing room.....	75 to 80	55 to 70
	Paraffin paper wrapping.....	80	55
	Proof boxes.....	80 to 90	80 to 95
	Storage of flour.....	70 to 80	60
	Storage of yeast.....	28 to 40	60 to 75
BIOLOGICAL PRODUCTS.....	Vaccines.....	below 32	
	Antitoxins.....	38 to 42	
BREWING.....	Fermentation in vat room.....	44 to 50	50
	Storage of grains.....	60	30 to 45
CERAMIC.....	Drying of auger machine brick.....	180 to 200	
	Drying of refractory shapes.....	110 to 150	50 to 60
	Molding room.....	80	60
	Storage of clay.....	60	35
CHEMICAL.....	General storage.....	60 to 80	35 to 50
CONFECTIONERY.....	Chewing gum rolling.....	75	50
	Chewing gum wrapping.....	70	45
	Chocolate covering.....	62 to 65	50 to 55
	Hard candy making.....	70 to 80	30 to 50
	Packing.....	65	50
	Starch room.....	75 to 85	50
	Storage.....	60 to 68	50 to 65
DISTILLERY.....	General manufacture.....	60	45
	Storage of grains.....	60	30 to 45
DRUG.....	Storage of powders and tablets.....	70 to 80	30 to 35
ELECTRICAL.....	Insulation winding.....	104	5
	Manufacture of cotton covered wire.....	60 to 80	60 to 70
	Manufacture of electrical windings.....	60 to 80	35 to 50
	Storage of electrical goods.....	60 to 80	35 to 50
FOOD.....	Butter making.....	60	60
	Dairy chill room.....	40	60
	Preparation of cereals.....	60 to 70	38
	Preparation of macaroni.....	70 to 80	38
	Ripening of meats.....	40	80
	Slicing of bacon.....	60	45
	Storage of apples.....	31 to 34	75 to 85
	Storage of citrus fruit.....	32	80
	Storage of eggs in shell.....	30	80
	Storage of meats.....	0 to 10	50
	Storage of sugar.....	80	35
FUR.....	Drying of furs.....	110	
	Storage of furs.....	28 to 40	25 to 40

CHAPTER 39. INDUSTRIAL AIR CONDITIONING

TABLE 1. DESIRABLE TEMPERATURES AND HUMIDITIES FOR INDUSTRIAL PROCESSING
(Concluded)

INDUSTRY	PROCESS	TEMPERATURE DEGREES FAHRENHEIT	RELATIVE HUMIDITY PER CENT
INCUBATORS.....	Chicken.....	99 to 102	55 to 75
LABORATORY.....	General analytical and physical.....	60 to 70	60 to 70
	Storage of materials.....	60 to 70	35 to 50
LEATHER.....	Drying of hides.....	90	
	Mulling.....	95 to 100	95
LIBRARY.....	Book storage (see discussion in this chapter).....	65 to 70	38 to 50
LINOLEUM.....	Printing.....	80	40
MATCHES.....	Manufacturing.....	72 to 74	50
	Storage of matches.....	60	
MUNITIONS.....	Fuse loading.....	70	55
PAINT.....	Air drying lacquers.....	70 to 90	25 to 50
	Baking lacquers.....	180 to 300	
	Air drying of oil paints.....	60 to 90	25 to 50
PAPER.....	Binding, cutting, drying, folding, gluing.....	60 to 80	40 to 60
	Storage of paper.....	60 to 80	40 to 60
	Testing Laboratory.....	60 to 80	55 to 65
PHOTOGRAPHIC.....	Development of film.....	70 to 75	60
	Drying.....	75 to 80	50
	Printing.....	70	70
	Cutting.....	72	65
PRINTING.....	Binding.....	70	45
	Folding.....	77	65
	Press room (general).....	75	60 to 78
	Press room (lithographic).....	60 to 75	20 to 60
	Storage of rollers.....	70 to 90	50 to 55
RUBBER.....	Manufacturing.....	90	
	Dipping of surgical rubber articles.....	75 to 80	25 to 30
	Standard laboratory tests.....	80 to 84	42 to 48
SOAP.....	Drying.....	110	70
TEXTILE.....	Cotton—carding.....	75 to 80	50 to 55
	combing.....	75 to 80	60 to 65
	roving.....	75 to 80	50 to 60
	spinning.....	60 to 80	50 to 70
	weaving.....	68 to 75	85
	Rayon—spinning.....	70	85
	throwing.....	70	60
	weaving.....	75 to 88	60 to 75
	Silk—dressing.....	75 to 80	60 to 65
	spinning.....	75 to 80	65 to 70
	throwing.....	75 to 80	65 to 70
	weaving.....	75 to 80	60 to 70
	Wool—carding.....	75 to 80	65 to 70
	spinning.....	75 to 80	55 to 60
	weaving.....	75 to 80	50 to 55
	Testing Laboratory.....	70	65
TOBACCO.....	Cigar and cigarette making.....	70 to 75	55 to 75
	Softening.....	90	85
	Stemming or stripping.....	75 to 85	70