

The Right Humidity Level

Achieving the right humidity level for your application is paramount to the workability of your product or process and to your health and comfort. Review the table below to find the recommended conditions for your industry.

Contact **Herrmidifier®**, the leader in humidification solutions, at 1-800-884-0002, cs@herrmidifier-hvac.com, or simply visit our website at www.herrmidifier-hvac.com for more information.

Industry	°F	°C	%RH
Abrasives Manufacturing	78	25	50
Bowling Alleys	74	23	50
Billiard Rooms	74	23	45
Bread Baking	75	24	60
Flour & Powdered Product Storage			
Fermentation (Dough)	80	27	75
Retarding of Doughs	36	2	85
Final Proof	108	42	88
Counterflow Cooling	75	24	83
Brewing Hop Storage	31	-1	55
Yeast Culture Room	C	C	80
Candy			
Chocolate Pan Supply Air	59	15	50
Enrober Room	83	28	28
Chocolate Cooling Tunnel Supply Air	43	6	78
Hand Dippers	62	17	45
Molded Goods Cooling	43	6	78
Chocolate Packing Room & Finished Stock Storage	65	18	50
Centers Tempering Room	78	26	33
Marshmallow Setting Room	77	25	43
Gum (deposited in starch) Drying	137	59	20
Sanded Gum Drying	100	38	33
Gum Finished Stock Storage	57	14	65
Sugar Pan Supply Air	95	35	25
Polishing Pan Supply Air	75	24	45
Pan Rooms	78	25	33
Nonpareil Pan Supply Air	110	43	20
Hard Candy Cooling Tunnel Supply Air	65	19	47
Hard Candy Packing	73	23	37
Hard Candy Storage	60	16	40
Caramel Rooms	75	24	40
Raw Material Storage			
Nuts (insect)	45	7	70
Nuts (rancidity)	36	7	70
Eggs	30	-1	87
Chocolate (flats)	65	18	50
Butter	20	-7	C
Dates & Figs	43	6	70
Corn Syrup	95	35	C
Liquid Sugar	78	25	35
Comfort Air Conditions	78	26	55
Ceramics			
Refractory	130	55	70
Molding Room	80	27	65
Clay Storage	70	21	50
Decalcomania Production and Decoration Room	78	26	48
Cereal Packaging	78	25	47
Cheese Curing			
Cheddar	50	10	88
Swiss	60	16	83
Blue	49	9	95
Brick	63	17	90
Limburger	63	17	95
Camembert	56	13	90
Cleanrooms & Computer Rooms			
Computer Room	75	24	50
Cleanroom-General	72	22	45
Cleanroom-Critical	72	22	45

Industry	°F	°C	%RH
Distilling			
Grain Storage	60	16	38
General Manufacturing	63	20	52
Aging	69	20	55
Electrical Products			
Coil and Transformer Winding	72	22	15
X-ray Tube Assembly	68	20	40
Meter Assembly and Test	76	24	62
Fuse and Cutout Assembly, Capacitor Winding and Paper Storage	73	23	50
Conductor Wrapping with Yarn	75	24	67
Lightning Arrestor Assembly	68	20	30
Thermal Circuit Breaker Assembly and Test Water Wheel Generators Thrust	76	24	45
Runner Hopping	70	21	40
Processing Selenium and Copper Oxide Plates	65	19	47
Fruit Storage			
Apples	35	2	90
Apricots	32	0	93
Grapefruits (California)	59	15	88
Grapefruits (Florida)	50	10	88
Grapes (Eastern)	21	0	85
Grapes (Western)	31	-1	93
Lemons	59	15	87
Oranges (California)	42	6	88
Oranges (Florida)	33	1	88
Peaches and Nectarines	31	-1	90
Plums	31	0	93
Specialty Citrus Fruit	39	4	93
Fur Storage	45	7	60
Gum			
Manufacture	77	25	33
Rolling	68	20	63
Stripping	72	22	53
Breaking	74	23	47
Wrapping	74	23	58
Hospitals			
Operating, Cystoscopic and Fracture Rooms	72	22	50
Patient Rooms	75	24	45
Intensive Care Units	75	24	40
Administrative and Service Areas	75	24	40
Leather			
Drying	95	35	75
Storage, Winter Room Temperature	55	13	50
Lenses (Optical)			
Fusing	75	27	45
Grinding	80	27	80
Libraries and Museums			
Normal Reading and Viewing Rooms	72	22	45
Rare Manuscript Storage Vaults	71	22	45
Art Storage Areas	68	20	50
Manufacture	73	22	50
Drying	72	23	60
Storage	61	16	50
Meat and Fish			
Beef (Fresh)	33	1	90
Beef, Fish, Lamb and Pork (Frozen)	-5	-20	93
Fish (Fresh)	34	2	93
Lamb and Pork (Fresh)	33	1	88

Industry	°F	°C	%RH
Mushrooms			
Sweating-out Period	130	54	C
Spawn Added	67	20	Sat.
Growing Period	54	12	80
Storage	33	1	83
Oil Paints, Paint Spraying	75	24	80
Pharmaceuticals			
Manufactured Powder Storage and Packing Area	75	24	35
Milling Room, Table Compressing and Coating	75	24	35
Effervescent Tablets and Powders	75	24	20
Hypodermic Tablets	75	24	30
Colloids	70	21	40
Cough Drops	80	27	40
Glandular Products	76	24	8
Ampoule Manufacturing	75	24	42
Gelatin Capsules and Storage	76	24	35
Microanalysis	76	24	50
Biological Manufacturing and Liver Extracts	76	24	35
Serums	76	24	50
Animal Rooms	78	25	50
Plastics			
Manufacturing Areas Thermosetting Molding Compounds	80	27	28
Cellophane Wrapping	78	25	55
Plywood			
Hot Pressing (Resin)	90	32	60
Cold Pressing	90	32	20
Printing			
Platemaking	78	25	45
Lithographic Press Room	78	25	45
Letterpress and Web Offset Press Rooms and Paper Storage	78	25	50
Paper Storage (Multicolor Sheet Feed Lithography)	78	25	6
Rubber Dipped Goods			
Cementing	80	27	28
Storage Prior to Manufacture	67	20	45
Laboratory (ASTM Standard)	73.4	23	50
Tea Packing	65	18	65
Textiles			
Cotton	78	25	53
Wool	78	25	65
Man-Made	73	23	55
Tobacco			
Cigar and Cigarette Making	73	23	60
Softening	90	32	87
Stemming and Stripping	80	27	73
Filler Tobacco Casing Conditioning	75	24	75
Filler Tobacco Storage and Preparation	78	26	70
Wrapper Tobacco Storage and Conditioning	75	24	75
Woodworking			
Finished Products	66	19	38
Gluing	70	21	40
Manufacture	75	24	40
Painting-lacquer (Static Control)	70	21	60