American Moistening Company

Providence 1, R. I.

ATLANTA, Ga. BOSTON, MASS. CAMDEN, N. J. CHARLOTTE, N. C

AMCO

Air Conditioning Systems Since 1888

Humidification • Evaporative Cooling (Ductless or Central Station) • Refrigeration

Because Amco installs both ductless and duct systems, you can rely on Amco engineers to give you sound, impartial advice. If you already have a modern, efficient humidification system and desire COOLING, an Amco engineer will probably point out the advantages of an Amco ductless system in which you discard nothing and make only a modest addition to your present humidification system. On the other hand, if your proposed installation calls for a unit duct or a central station air conditioning system, Amco can handle the job. In either case you will get reliable, unbiased advice and expert installation of a system tailored to your needs.

A few of the many AMCO products with a Long Record of Dependable Performance

Self-cleaning Atomizers; Humidity Controls; Amtex Humidifiers; Evaporative Cooling Units; Mine Sprays; Fabric and Paper Dampeners; Electro Psychrometers; Sling Psychrometers; Hygrometers; Atometer.



AMCO ATOMIZER, NO. 6

New Automatically Self-Cleaning

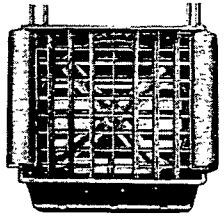
AMCO No. 6 atomizer retains all the time-tested features of the popular No. 5 unit . . . plus additional features which assure improved spray quality. Its better performance and ease of maintenance make this automatically self-cleaning atomizer superior for new installations and replacements.



AMCO HUMIDITY CONTROL

Compressed Air Operated

A unique hygroscopic element, which responds primarily to humidity and not to temperature, forms the heart and brain of the Amco Humidity Control. Its sensitive impulses, amplified by a simple pneumatic circuit, respond automatically to changes in relative humidity of one or two per cent of the desired value, with a minimum of care and supervision. Successful operation in many hundreds of mills throughout the United States attests to its ruggedness and reliability.



AMCO EVAPORATIVE COOLING UNIT

The Amco System of evaporative cooling contributes to smooth production at high speeds in two ways; it maintains the percentage of relative humidity best suited to the fibre and process involved, and at the same time promotes the comfort and efficiency of personnel by obtaining the maximum practical cooling effect from evaporation. It does this by introducing outside air into the room in varying amounts, regulated in accordance with climatic conditions and inside requirements.

A ductless system—very flexible and portable. Can be applied in conjunction with an existing humidifying system.

Monarch Manufacturing Works, Inc.

2509 E. Ontario St., Philadelphia 34, Pa.

SPRAY NOZZLES FOR WATER AND OIL

NON-CLOG AIR WASHER NOZZLES

produce an exceptionally efficient, evenly distributed hollow cone spray. Single large tangential inlet to swirling chamber minimizes any possibility of clogging. Also available in ⅜ in. to 1 in. pipe sizes inclusive, and of Brass, Stainless and Monel.

Capacities: Gallons per Hour

Sizes			Lbs. Operating Pressure					
Pipe	Orifice	Lead	10	20	30	40	60	100
	69	69			2.9	3.3	4.0	5.1
	61	61		4.0	5.0	5.5	7.0	8.7
	61	53	4.4	6.2	7.5	8.3	10.3	13.0
	53	53	5.8	8.2	9.8	10.9	14.1	17.3
	49	49	9.1	11.1	13.2	15.0	19.5	24.6
	3/32"	3/32"	11.8	16.6	20.4	23.4	29.0	36.5
¼"	1/8"	1/32"	19.5	27.6	33.3	39.1	49.0	60.0
	1/8"	3/32"	24.3	34.6	42.8	50.0	64.0	78.5
	1/8"	1/8"	31.5	46.1	57.0	64.1	81.9	105
	1/8"	5/32"	52.2	75.0	92.5	109	138	189
	1/8"	3/16"	78.0	112	138	163	205	257
	1/8"	1/8"	83.0	121	152	180	225	300

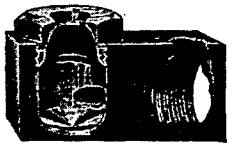


Fig. 631

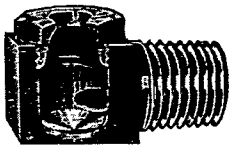


Fig. 629

AIR CONDITIONING AND OIL BURNER NOZZLES

Water Capacity in Gallons per Hour



Fig. P-80

Nozzle No.	Lb Operating Pressure				
	25	40	60	80	100
1.35		.57	.69	.83	.92
1.65		.75	.89	.99	1.12
2.00		.94	1.14	1.28	1.40
2.50		1.13	1.45	1.64	1.86
3.00	1.03	1.39	1.62	1.85	1.95
3.50	1.36	1.77	2.11	2.46	2.80
4.00	1.56	2.00	2.42	2.77	3.16
4.50	1.86	2.32	2.77	3.21	3.68
5.00	2.20	2.88	3.57	4.09	4.59
5.50	2.22	2.96	3.75	4.31	4.78
6.00	2.55	3.35	4.01	4.78	5.23
7.00	2.90	3.91	4.60	5.17	6.00

Produce finest breakup possible with direct pressure only. Capacities above are on water. "Nozzle No." is capacity on 34 second Saybolt viscosity oil at 100 lb pressure Larger sizes up to 60.00 gph and smaller sizes down to 0.60 gph.

Furnished of all Brass for Water—Stainless Steel tip and disc for Oil. Standard with ⅛ in. or ¼ in. female pipe Brass adapter and Monel gauze strainer.

SPRAY POND NOZZLES

For recooling condenser water, etc. Operate on pressures from 5 lb upward. Made of Cast Red Brass and in pipe sizes 1 in., 1½ in., 2 in., and 2½ in. Capacities from 4.1 to 88 gpm at 7 lb pressure.

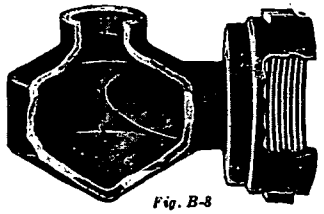


Fig. B-8

Write for Detailed Catalogs