

CO EXTRACTORS

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For Dry, CO-Free Air



Compact, regenerative CO extractors capable of delivering up to 5.4 SCFM at 100 PSIG of dry, CO-free air, with a dewpoint of -40°F (-40°C) and a CO content of less than 2 ppm. Ideal for emissions monitoring applications. Units come standard with a moisture indicator. Accessories include an inlet particulate filter, inlet coalescing filter, outlet filter-regulator assembly, flow meter, surge tank, wall-mount bracket and sound suppression kit.

PRODUCT FEATURES

- CO-free air to less than 2 ppm
- Dry air to -40°F dewpoint
- Continuous self-regenerative operation
- Outlet flows to 5.4 SCFM at 100 PSIG
- Operating pressures of 30 to 150 PSIG
- Compact, lightweight aluminum construction
- Low power requirement (35 watts)
- Easy to install and no regular maintenance is required
- Ideal for OEM and point-of-use applications

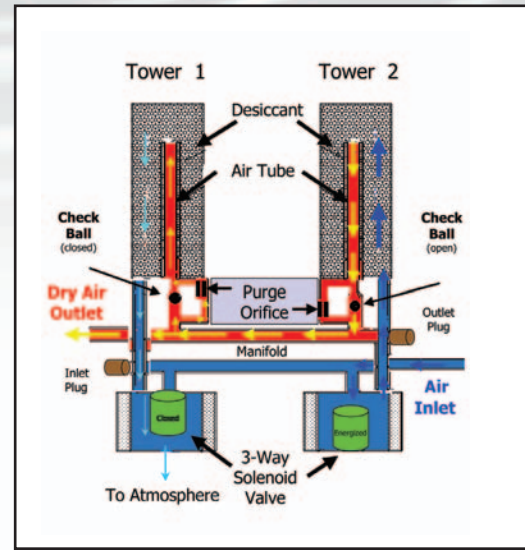
TYPICAL APPLICATIONS

- CO and moisture removal for analytical instrumentation
- Dilution air for stack gas emissions monitoring



CO EXTRACTOR - DESCRIPTION OF OPERATION

Ordinary compressed inlet air is passed through a layered desiccant bed where the water is removed first, followed by the catalysis of carbon monoxide to carbon dioxide. The purified air then continues to the outlet side of the manifold and on to the application. A portion of this air is expanded through an orifice and directed back through the second desiccant bed, purging the accumulated contaminants. Every 30 seconds, a solid state timer and two solenoid valves reverse the process. The result is a continuous supply of dry, CO-free air.

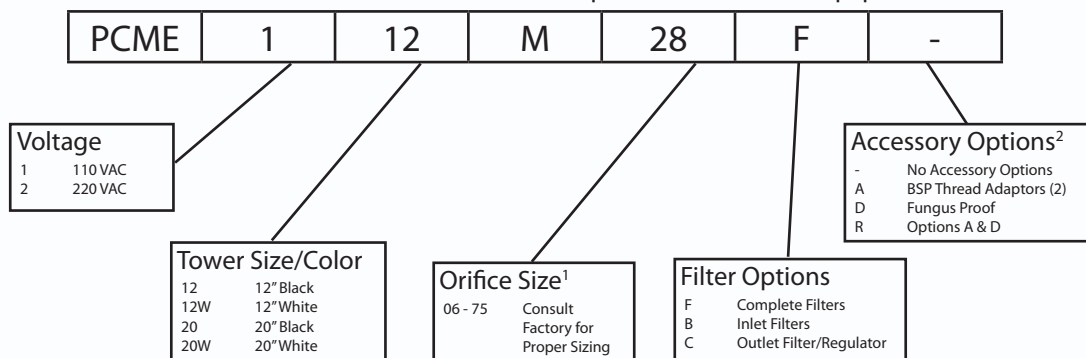


SPECIFICATIONS

Model	Tower Size	MAXIMUM OUTLET FLOW (SCFM) CAPACITY													Purge SCFM	Dim. Inches H x W x D	Wt. (lbs.)
Dewpoint		-40°F/-40°C															
CME	12"	0.7	1.1	1.5	1.9	2.3	2.7	3.1	3.5	3.9	4.3	4.7	5.1	5.5	1.1	17" x 8" x 5"	9
	20"	1.0	1.6	2.3	2.9	3.5	4.1	4.8	5.4	6.0	6.6	7.3	7.9	8.5	1.8	25" x 8" x 5"	19
		30	40	50	60	70	80	90	100	110	120	130	140	150			
OPERATING PRESSURE (PSIG)																	
Capacities based on +70°F 100% RH Inlet. Outlet concentration of CO <2 ppm. To calculate maximum inlet SCFM required, add outlet SCFM + purge SCFM.																	

ORDERING INFORMATION

Bold Options are Standard Equipment



NOTES:

- Contact factory for orifice sizing based on available inlet pressure in PSIG and outlet flow requirements in SCFM.
- Unit comes standard with power cord, mufflers and moisture indicator.

P011048F24 - Annual Maintenance Kit, PCME