



APEX

GASGEN

C0 Scrubber PCME12



Description

The Apex CO₂ extractor range is used in a laboratory or industrial CO removal to help with analytical equipment, purging ovens and for protecting sensitive equipment. Laboratory CO extraction is very useful in combination with other generators for further information on your requirements contact us.

Apex Gas Generators manufactures CO scrubbers to use Pressure Swing Adsorption technology. Air from an external source enters the unit via inlet filters. The air enters the scrubber tower, where carbon dioxide is removed and the air is dried.

Ultra dry air containing less than 2ppm of CO is delivered as required. The design of the scrubber allows it to be easily wall or stand mounted. Our CO scrubbers provide flexibility to match your system requirements.

Features & Benefits

- Auto regeneration process
- Non-corroding purge silencer
- Compact and lightweight
- Flow rates of up to 240 litres/min
- Output CO concentration of <2ppm
- Operating pressure range of 3.5 Bar (50 PSI) to Bar (145 PSI)
- PSA technology
- Easy Installation
- Simple maintenance





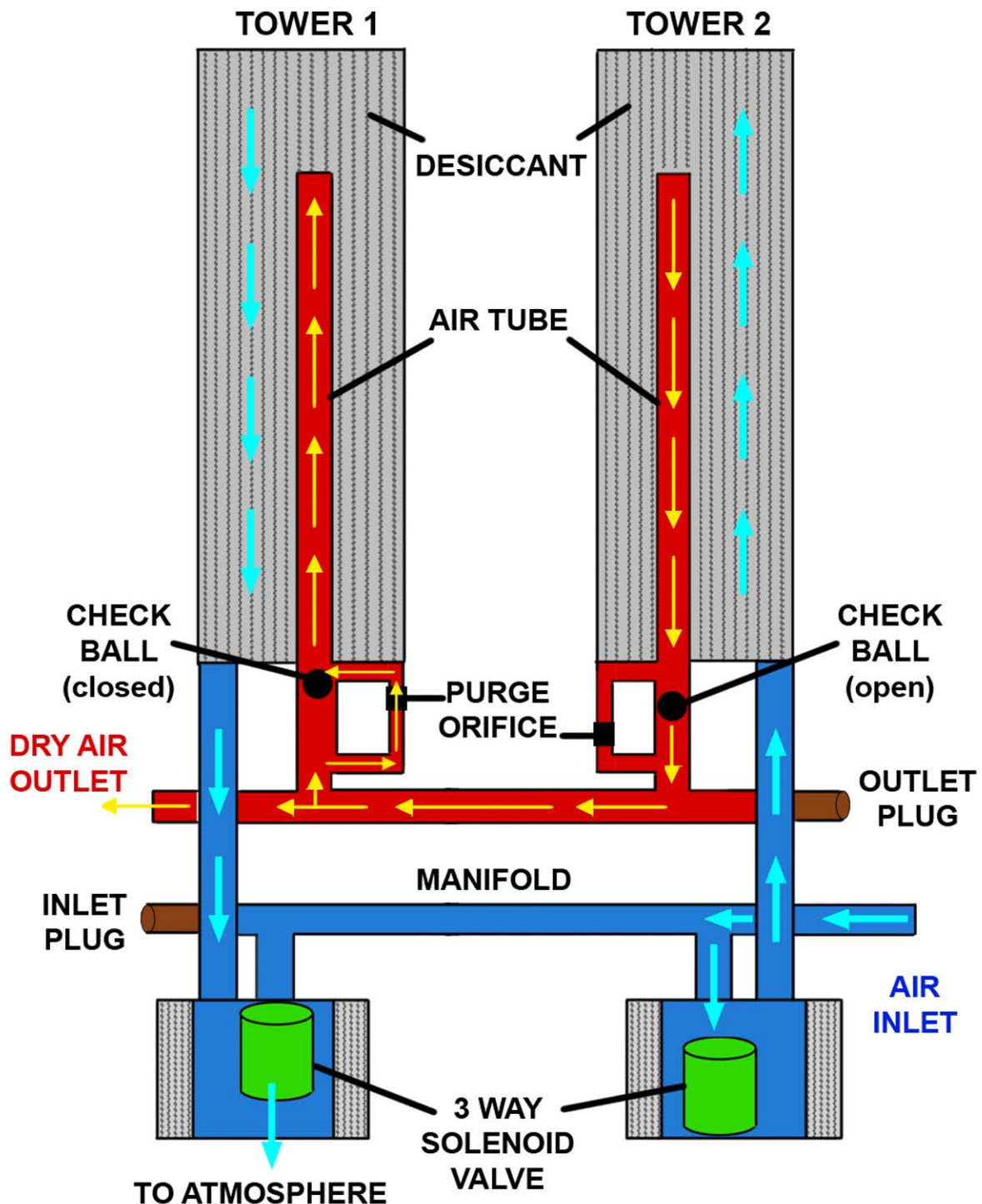
Technical Specifications

Model	PCME12
Output Air CO Concentration	2 ppm
Output Air Dew Point	-40 C / -40F
Max Pressure Drop	0.2 BARG / 3 PSIG
Max Air Inlet Temp	50 C / 125 C
Weight (kg / lbs)	4kg / 9lbs
Depth (mm / inch)	130 / 5
Height (mm / inch)	430 / 17
Weight (mm / inch)	203 / 8

Operating Pressure Bar	Maximum Inlet & Output Flows (L / Min)	
	Inlet	Output
10.3 Barg	186.89	155.74
9.0 Barg	175.56	144.42
7.6 Barg	141.58	110.44
6.9 Barg	130.26	99.11
6.2 Barg	124.59	87.78
5.5 Barg	107.60	76.46
4.8 Barg	96.28	65.13
4.1 Barg	84.95	53.8
3.4 Barg	73.62	42.48

How It Works

Air from an external source enters the generator via the inlet filters. Air then enters the first scrubber tower via a solenoid valve. After passing through the scrubber tower the now dry and CO free air exits the system via an outlet filter and regulator. A portion of the outlet air is diverted into the second scrubber tower to purge it ready for use. At regular intervals the active tower switches allowing each tower to be purged in turn.





Applications

- CO and moisture removal from analytical and chemical process gases in industry and the laboratory
 - Dilution air for stack emissions' monitoring
 - FT-IR, TOC and other laboratory applications

Why choose a carbon dioxide extractor from Apex?

- An uninterrupted supply of ultra-dry, clean air: Get laboratory-grade dry air whenever you need it. You don't need to rely on bottled air, so you save time and money.
- Pressure swing adsorption technology: Ensures maximum performance, efficiency and reliability.
- Wall or stand mounting: Install the extraction machine in the best location for you.
- Two models available: Each model can provide a variety of flow rates and pressures. You get a solution that meets your exact requirements.
- Easy installation, operation and servicing: Install a CO₂ scrubber in any location. Parts are easily accessible, and maintenance is easy. The carbon dioxide removal machine is convenient to operate and own.
- One-year warranty and ongoing technical support: Your machine operates reliably for many years, and technical support is always available, for your peace of mind.



Contact Details

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