

HYDROCARBON ADSORBERS

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For Hydrocarbon-Free Air



Compact, regenerative hydrocarbon adsorbers capable of delivering up to 7.5 lpm of air with a hydrocarbon content of less than 1 ppm.

Designed for GC-FID and emissions monitoring applications.

Accessories include an inlet particulate filter, inlet coalescing filter, outlet filter-regulator assembly, moisture indicator, flow meter, surge tank and sound suppression kit.

PRODUCT FEATURES

- Hydrocarbon-free air to less than 1 ppm
- Continuous self-regenerative operation
- Outlet flows to 15 liters/minute (31.8 SCFH)
- Compact, lightweight aluminum construction
- Low power requirement (35 watts)
- Purge mufflers for quiet operation
- Easy to install and no regular maintenance is required
- Ideal for laboratory, OEM and point-of-use applications

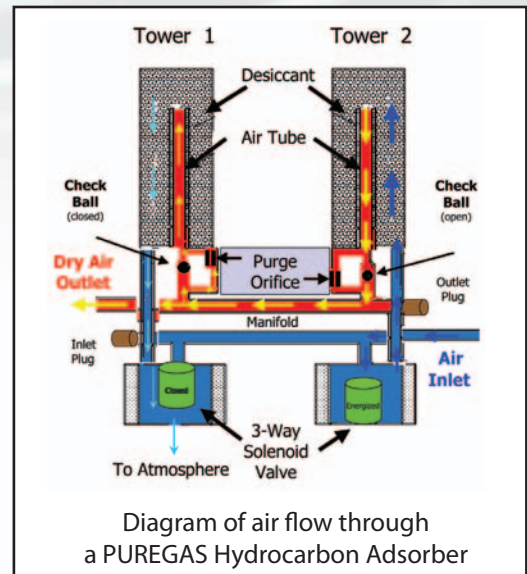
TYPICAL APPLICATIONS

- Flame ionization detectors used in gas chromatography
- Air sampling and pollution monitoring
- Hydrocarbon analyzers
- Wherever hydrocarbon-free air is required



HYDROCARBON ADSORBERS - DESCRIPTION OF OPERATION

Ordinary compressed inlet air is passed through a charcoal bed where the hydrocarbons are adsorbed. The purified air then continues to the outlet side of the manifold and on to the application. A portion of the purified air is expanded through an orifice and directed back through an off-line charcoal bed, purging the accumulated hydrocarbons. Every 30 seconds, a solid state timer and two solenoid valves reverse the process. The result is a continuous supply of hydrocarbon-free air.

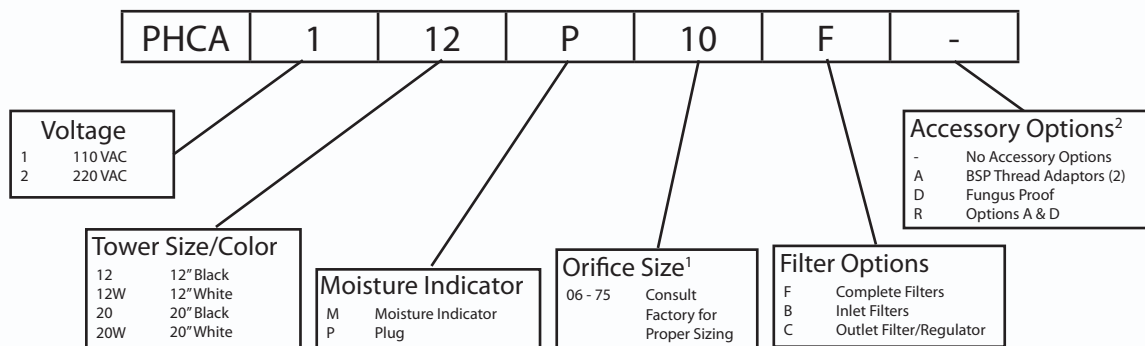


SPECIFICATIONS

Model	Inlet Flow	Outlet Flow	Operating Pressure	Dimensions (Inches)	Weight (lbs.)
PHCA112M10F	8.9 liters/min.	2.0 liters/min.	95-100 PSIG	17"H x 8"W x 5"D	9
PHCA120M17F	27.0 liters/min.	7.5 liters/min.	95-100 PSIG	25"H x 8"W x 5"D	19

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 and mufflers.

P011048F24 - Annual Maintenance Kit, PHCA