



Marc Climatic Controls, Inc.

GAS-PHASE AIR FILTRATION DEEP BED SCRUBBER



- *Designed to remove maximum amounts of environmental contaminants such as H₂S, SO₂, and other acid gases, odors, and many hydrocarbons from fresh air make-up and recirculated air to improve indoor air quality and protect sensitive electronic equipment subject to corrosion.*
- *Bulk media hopper allows higher air flows, longer resonance time, and longer media life.*
- *Fresh air inlet and supply and return air connections.*
- *Available NFPA 496 pressurization.*

Features:

- Deep bed hopper for 6" or 12" bed depth of potassium permanganate impregnated granules (KMnO₄), activated or impregnated carbon granules.
- 2" pleated prefilters and 6" pleated final filters.
- Heavy 16 gauge cabinet with gray urethane coating and neoprene insulated interior.
- Gasketed access doors for air-tight seal.
- Quick access positive pressure door latches.
- Direct drive blower with aluminum backward inclined wheel and TEFC motor.
- Filter pressure gauges
- Hopper cleanout port with cover.

Options:

- Two media beds for added resonance time or for employment of two different media types.
- Built-in evaporator coil(s).
- Stainless steel cabinet.
- Full pressurization and purge through doors in compliance with NFPA 496.
- Dual blowers with with back-draft dampers for 100% redundancy (as shown above).
- Blower(s) with belt drive arrangement.
- Explosion-proof motor(s).
- Control panel with variable frequency drive.
- Disconnect(s) (as shown above).
- Fresh air inlet stack and rain cap.

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DBSX SERIES

MEDIAS:

IN MANY APPLICATIONS, THE FIRST BED, IN THE DIRECTION OF AIR FLOW, CONTAINS ACTIVATED CARBON AND THE SECOND BED CONTAINS POTASSIUM PERMANGANATE. THE CARBON'S MICROPORES CAN ADSORB HIGHER MOLECULAR WEIGHT HYDROCARBONS WHILE THE POTASSIUM PERMANGANATE OXIDIZES ACID GASES AND LOWER WEIGHT HYDROCARBONS ON THE EXTERIOR AND INTERIOR OF IT'S MOLECULAR SIEVE. NOT ALL HYDROCARBONS ARE EFFECTED.

ACTIVATED OR IMPREGNATED
CARBON PELLETS

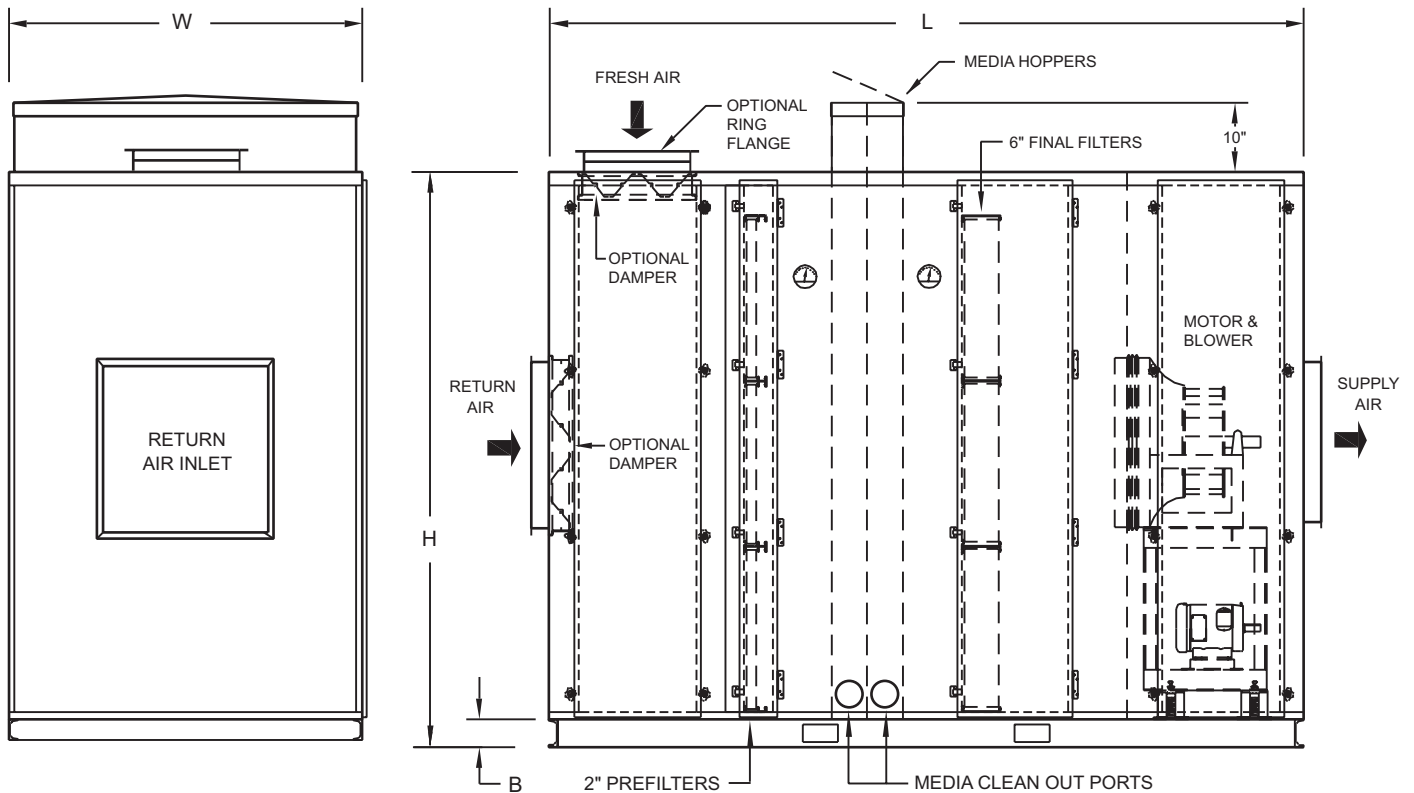


POTASSIUM PERMANGANATE
IMPREGNATED SPHERES



Model	Air Flow (CFM) *	Volts Phase Hertz	Dimensions					
			Two 6" Beds		Two 9" Beds		Two 12" Beds	
			L	L	L	W	H	B
DBSX2000-2P	2,000	208/230/460-3-60	128"	134"	140"	48"	72"	4"
DBSX3000-2P	3,000	208/230/460-3-60	128"	134"	140"	60"	86"	4"
DBSX4000-2P	4,000	208/230/460-3-60	128"	134"	140"	76"	88"	6"
DBSX5000-2P	5,000	208/230/460-3-60	128"	134"	140"	95"	88"	6"

* Standard design air flow. Other air flows are available to meet actual requirements.



SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE 4-29-05 (Supersedes 8-2-04)



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