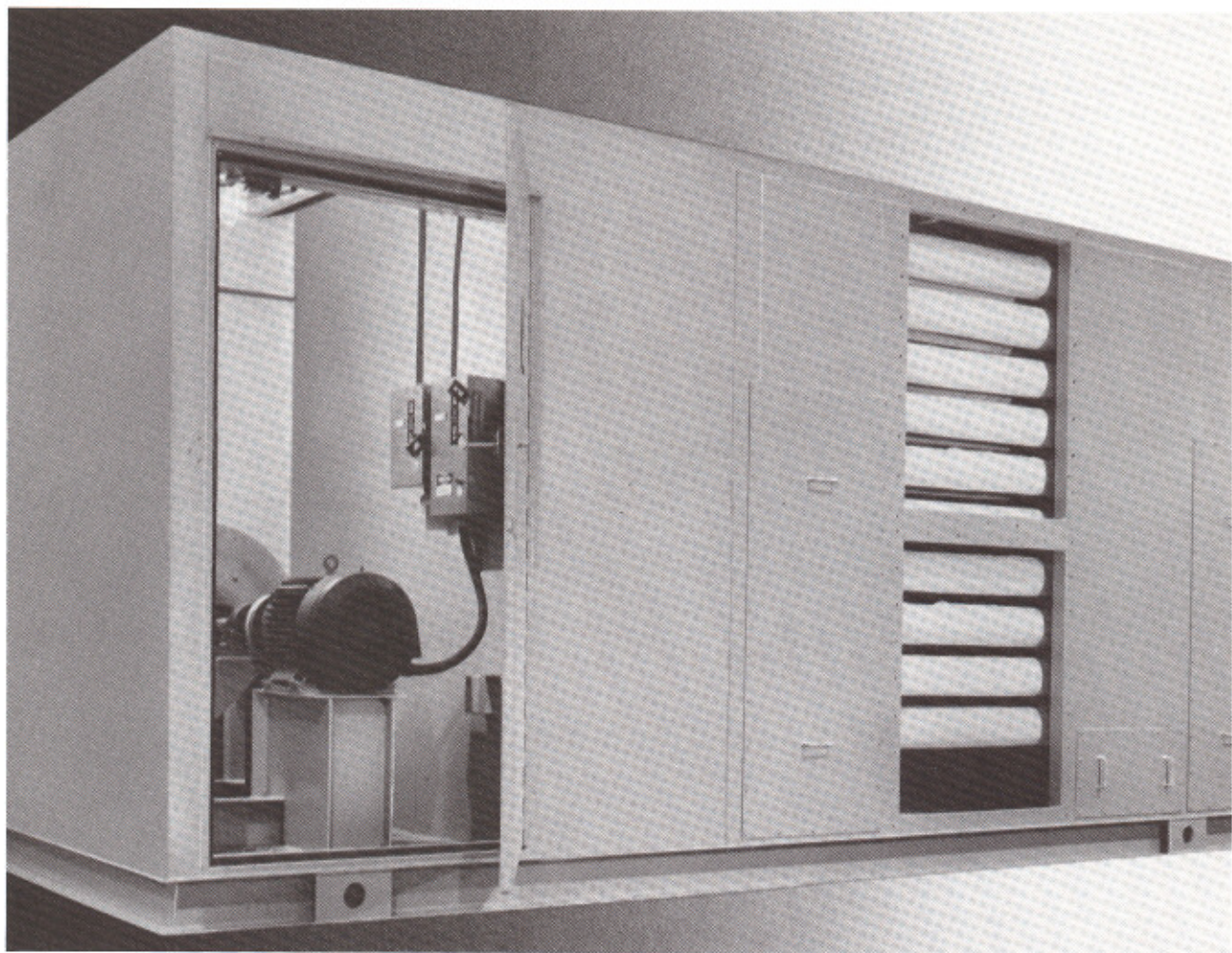


# **BUSCH MRV-80**

*Self-Cleaning Air Handling Unit*



## *Provides controlled environment for industrial applications*

**T**he BUSCH MRV-80 is an industrial grade, packaged air-handling Unit that uses long-life, high efficiency fabric filtration tubes which are cleaned periodically by pulses of compressed air. This equipment's design eliminates the frequent, costly change-outs of filter media associated with conventional designs using panel or cartridge filters. The Unit is designed to store collected dust for a year or more, depending on inlet dust loading.

Significant cost savings over field-assembled Units are realized because the MRV-80 is shipped pre-assembled, wired and factory tested, ready for connection to main power. This rugged Unit provides a clean environment for motor rooms, control rooms, sub-stations, trans-

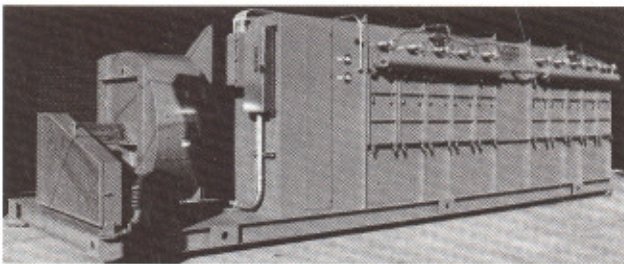
former vaults, pump rooms and other industrial process and control areas.

The MRV-80 has superior efficiency when compared to most other ambient filtration systems. A typical media selection would exhibit 99% efficiency on particles 2 micron and above and 90% efficiency on 0.5 to 1 micron particulate. Special medias to enhance efficiency or resist corrosion are also available.

## DESIGN AND CONSTRUCTION

The **MRV-80** is custom designed to meet most site requirements. Capacity, Unit arrangement and dimensions, number of filters, location and size of duct connections, materials of construction and wiring can be modified to meet individual user specifications. Unit pre-assembly assures simplified installation and proper operation.

Construction of the **MRV-80** includes a structural base, steel plate floor, heavy gauge welded housing panels using a unique "formed I-beam" technique and heavy duty door hardware. Centrifugal fans are minimum Class II construction and are a backwardly inclined, power limiting design. Direct driven fans to eliminate belt maintenance can be furnished. Electrical enclosures are NEMA 12 with wiring in rigid conduit. Optional electrical enclosures are available to suit plant standards.



MRV-81 "Cartridge style" unit for light to medium duty applications



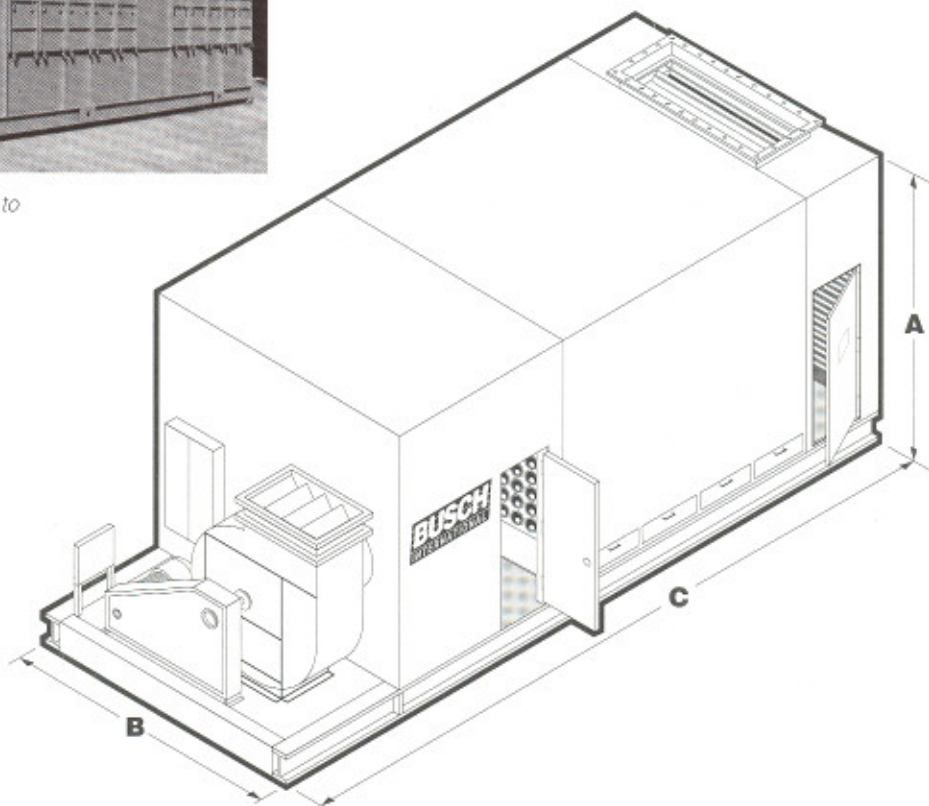
A *CECO Environmental Company*

10431 Perry Highway  
Wexford, PA 15090  
Phone: 724.940.2326  
Fax: 724.940.4140

## DIMENSIONAL DATA

MODEL NO.	CAPACITY SCFM	DIMENSIONS		
		A	B	C
M8-10-036	10,000	5'-6"	5'-0"	18'-0"
M8-20-072	20,000	7'-6"	7'-0"	20'-6"
M8-30-108	30,000	9'-6"	7'-6"	22'-0"
M8-40-144	40,000	10'-0"	10'-0"	23'-0"
M8-50-182	50,000	11'-0"	12'-0"	24'-0"
M8-60-196	60,000	12'-0"	12'-0"	24'-6"
M8-80-196	80,000	12'-0"	12'-0"	29'-0"

Other capacities are available.



## ACCESSORIES AND OPTIONS

- Gas, oil, steam or electric heating
- Humidification
- Acid gas adsorption
- Thermal or sound insulation
- Variable speed drives
- Alternate paint systems
- Horizontal or vertical arrangement
- Hoppers for dust storage
- Evaporative, DX or chilled water cooling
- Stainless, galvanized or aluminum construction
- HEPA safety filters
- Air mixing dampers
- IAQ filtration
- Support steel and platforms
- Vaneaxial fans
- Housed or unhoused fans