

# ELECTRIC MOTOR VENTILATION SYSTEM

## MUELLER MODEL EMVS

Field proven for both induction and synchronous electric motors, Mueller's ventilation systems provide filtered ambient cooling air to the electric motor intake at a positive pressure, ensuring adequate clean air flow through the cooling air passages of the electric motor, while also venting heated exhaust to the atmosphere. They incorporate superior noise control technology.

At the core of the Mueller EMVS are our popular MAF Machine Air Filter, and PBS Parallel Baffle Silencer. Like all our equipment the system is built to last of heavy duty industrial grade components, designed and fabricated to operate for 30 years of continuous full load duty with minimal routine maintenance. True to their mission, we have systems that have been reliably performing for well over two decades. The EMVS is suitable for installation in Class 1, Group D, Division 1 facilities.

## SYSTEM OPTIONS

- Choice of various construction materials and finishes
- Block and bypass heating system for winter operations
- Noise attenuation as low as 40dBA at 50 feet from inlet and outlet

## EMVS ADVANTAGES

- Superior filtration / conditioning
- High attenuation
- Low pressure drop
- Superb performance record
- Robust construction for low maintenance and high durability



## REQUIRED PROPOSAL DATA

Because all Mueller equipment is engineered and built for each specific installation, the following information is required for proposals involving Electric Motor Ventilation Systems:

- Electric motor type: synchronous or induction
- Electric motor pressure differential
- Cooling CFM requirements
- Elevation above sea level
- Configuration of inlet and outlet, location in compressor building

## WARRANTY

Mueller Environmental Designs guarantees to meet filtration, pressure drop and noise control criteria, warranties against poor workmanship, material defects, and failure due to improper equipment selection.

## THERE IS A DIFFERENCE

It may be possible to buy cheaper equipment. Our goal is to deliver you the best value – the highest quality at the most reasonable price possible. We engineer our products to deliver optimum efficiency and build them to last. To ensure quality control, our products are manufactured in our own ASME facility outside Houston using heavy duty materials and components to keep your operations up and running with minimum maintenance and maximum lifespan. We don't cut corners.



A new construction 1500 Hp, 9600 CFM synchronous motor EMVS installation in Midland, Kentucky. This view of interior components shows the optional diverter unit (large white cube lower right) which redirects discharge heat to warm the compressor station in cold weather.



A large, new construction 13,000 Hp, 11,020 CFM synchronous motor EMVS installation for Kinder Morgan in Longview, Texas.

## COMPLETE PACKAGE SOLUTIONS

We can provide complete system packages including compatible Mueller equipment, as well as ancillary items such as controls, platforms, skids, ladders, etc.



**MUELLER**  
ENVIRONMENTAL DESIGNS, INC.

THE INDUSTRY LEADER IN NATURAL GAS  
SEPARATION, AIR FILTRATION, MIST ELIMINATION,  
NOISE AND EMISSION CONTROL SYSTEMS