



RENBY Limited presents FOGCO Systems Inc.



CONTROL OF ODOUR AND DUST



Fogging systems are proven to be an effective method for dust suppression, dust abatement, and air filtration. They also control flies, and suppress odour causing pathogens. Renby is delighted to offer the comprehensive and economical Fogco Systems Inc. range of products.

Utilising a simple pressurised water supply, the Fogco System is far less expensive to operate and maintain than traditional air injection systems. The fogging systems can even be used to economically remove workplace related odours. The systems are designed for both interior and exterior applications.

The Fogco System produces a high concentration of 10 micron fog droplets. This size of water droplet (10 millionths of a metre in diameter) provides optimum performance for attraction and suppression of PM 10 and smaller dust particles. The system offers breathable and fugitive dust suppression from .1 to 1000 microns. Dust surrounded by dense fog has little chance to escape. Because of the high standard of quality and industry experience, Fogco Systems meet or exceed the EPA PM 10 standards for dust suppression.



Applications include; Asbestos Abatement, Coal Dust Suppression, Quarries and Rock Crushing Equipment, Grain Silos, Slag Works,

Conveyor Belt Transfer Points, and Construction and Land Development Sites.

In addition to the ability to provide dust suppression, fogging systems are ideal for eliminating the odours associated with solid waste treatment facilities, microbial decomposition of animal waste, and noxious volatile compounds. Some of the more common problems include carbon dioxide, ammonia, hydrogen sulphide, and methane. Although carbon dioxide and methane are odourless, they can be lethal.

Masking agents can also be added to the water feed. The quality components and proper system design of the Fogco System allow for an efficient and economical delivery system for all odour removal chemicals.

From landfills to waste treatment facilities; from stockyards to pig farms, virtually any odour problem can be effectively countered with the Fogco line of high quality fog products. The Fogco System is YOUR high quality odour control solution.

PREMIUM SERIES PUMPS



The Fogco Premium series pump range includes the highest quality pulley driven pumps on the market. These patented units are both CE certified and listed in Underwriters Laboratory (UL) 'Motor Operated Water Pump' classification. They are designed for trouble-free 24/7 operation under continuous duty in adverse or extreme conditions. These units are the preferred choice for all applications under all conditions when quality and value are the primary considerations. All pump components meet or exceed NEMA, ASTM and NFPA standards. Pump components include stainless steel valves; forged brass manifold and valve caps; solid ceramic plungers; hardened crankshaft with one-piece white bronze connecting rods; and special NBR based fabric reinforced rubber seals.

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The components used and the unique design of the PREMIUM SERIES pumps provide the highest quality of any high-pressure pump available.

- Y Energy Efficient Motors
- Y Pulley-driven pump design further reduces the operating speed of the unit
- Y Slower speed equates to less operating cost, quieter operation, longer life, and less maintenance
- Y Oversized pump module operates at a fraction of the capacity
- Y Two year limited warranty
- Y High quality, high value pumps at competitive prices

FILTRATION

Water filtration is a highly recommended addition to any system, due to the extremely small orifice for all our fog nozzles. The filters and housing offered allow for a variety of options when considering your filtration needs.

We supply a standard filter panel that takes care of the majority of filtration requirements. Supplied mounted into a cabinet, this unit is ready to start as soon as it has been mounted. Inside there are three filtration stages, an electronic water softener (eliminating softener chemicals) and an Ultraviolet lamp disinfection unit as a final protection of the water.



SLIP LOK FITTINGS

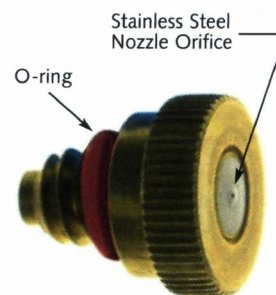
Fogco high-pressure nylon tubing and slip lok fittings are designed for the ultimate in convenience and versatility. The ease of assembly allows for quick and simple installation reducing labour costs.

The slip lok fitting and nylon tubing can be used to create virtually any nozzle spacing allowing on-the-job customization that is

unique to these components. No special tools or crimping procedures are required. In addition, the fittings can be removed, replaced, and re-installed to further enhance the systems overall design flexibility. The Fogco slip lok fittings are rated to operate at 1000 PSI and have the highest rated operating pressure in the industry. They include nickel plated locking ferrules to ensure the integrity of the fittings performance. They also utilize an oversized o-ring for a complete leak-proof seal. The range includes ¼ inch to ½ inch male and female threaded adapters in 3/8" and ½" slip lok sizes.

The tubing and fittings are also available in the Starter kits that include all the necessary fog line components to install a new system or expand an existing one.

PRECISION NOZZLES



These nozzles represent the highest quality fog nozzles available. They have been laboratory tested to ensure they perform as designed and will provide atomisation as small as 1 micron with the majority of the droplets being between 5 and 15 micron. To consistently create droplet sizes as small as 1 micron in diameter, exacting specifications must be followed. Quality brass alloy and 316L Stainless Steel are used in the production of the nozzles. All nozzles contain an o-ring seal and can be easily installed and removed by hand without the need for special tools.

The nozzle selection includes the solid brass body with stainless steel insert and orifice; or the all stainless steel nozzle with orifice sizes from 0.15mm to 0.5mm. At 70 Bar, these nozzles will provide atomization from 5 microns up to 100 microns with low flow rates from 3.4 litres per hour (l/h) for the 0.15mm nozzle up to 11 l/h for the 0.5mm nozzle. Specific nozzle performance is available upon request.