

EDI COMMITMENT TO QUALITY

Bulletin Brief

Quality, excellence, reliability and innovation are important characteristics you should demand from your suppliers. Environmental Dynamics Inc. provides quality aeration products. Excellence and reliability are employed in all avenues of design and manufacturing with continued product innovation assures you technologically advanced products and processes. Attached is EDI's statement and commitment to Quality.

For additional information regarding your specific application contact Environmental Dynamics Inc. at (573) 474-9456.



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COMMITMENT TO QUALITY AND EXCELLENCE

Environmental Dynamics Inc. (EDI) is committed to excellence in the manufacture and supply of advanced technology aeration mixing systems for the water and wastewater treatment industry. EDI provides engineered and manufactured solutions for specialized, project-specific needs. In addition, diffuser components, and aeration products are available through the Diffuser *Express*® Division. EDI engineers equipment and systems for superior long term performance and maintenance free operation.

EDI developed and instituted an ongoing quality maintenance program for the manufacture and supply of advanced technology aeration mixing systems. This program provides a systematic approach for documenting procedures to minimize, isolate and eliminate unacceptable circumstance, and assures superior product performance.

EDI's quality program includes a review of the ISO and corresponding ANSI/ASQC Certification activities with respect to EDI products and services. Because of the unique nature of EDI equipment and services, an independent internal quality control program incorporating the activities of both EDI and its vendors assure superior performance and low maintenance in EDI's advanced technology aeration systems. Specific areas of EDI's production and support activities targeted for quality management control include: engineering, drafting, purchasing, and manufacturing.

Manufacturing Facilities

EDI recognizes the need for adequate manufacturing facilities to ensure highest quality systems. EDI owns a 114,000 sq ft corporate facility dedicated to the design and manufacture of quality aeration mixing equipment and systems. This facility is designed to ensure:

- space for inventory of quality components,
- specialized production lines for superior quality control, and
- space for storage of fabricated products to prevent damage once manufacture is complete.

Testing Facilities

EDI recognizes the need for quality testing of performance and material in its products - EDI now has the world's most advanced testing facility for oxygen transfer and mixing performance of diffused aeration systems including data logging, underwater video and total testing video.

EDI has a quality testing laboratory for components used in EDI Aeration Systems. Testing for material tolerances and dimensions, operating pressures, contact angle for air release and uniformity are all key elements in the EDI quality control program.

EDI also has capability for measurement of field performance of product including "off gas analysis" testing of the product once the product is placed in service.

Engineering and Pre-Manufacturing Activities

Quality control initiatives have been instituted in other areas of the organization, including engineering, drafting, purchasing and production. The streamlining of the manufacturing process in conjunction with the world's largest aeration system manufacturing space has generated major quality benefits. Activities include the design, production and standardization of production procedures, fixtures, and tooling. In addition to standardization and optimization, proper recording of specific production procedures and test data are routinely employed as part of the quality control program.

Quality Control of EDI Components

A key element in the quality control program implemented by EDI includes quality control checks:

- when material is received from EDI vendors,
- at the point of fabrication of equipment,
- spot checks of product by team leaders,
- checks prior to every system shipment.

Supplier Certification and Quality

EDI's final requirement for quality includes selecting suppliers of EDI Aeration System components who utilize superior quality control programs. The basic quality of these components provides EDI with effective total system quality control. Major components utilized in EDI Diffuser and Aeration Systems are produced by companies who are fully certified to ISO standards, or who are in the process of completing these Certification requirements. In particular, the following components have been certified or are being certified as part of the overall program:

Stainless Steel Drops, Piping, Raw Material and Supports: Stainless steel drops, piping, material and supports provided as part of EDI Aeration Systems are manufactured by companies who have achieved ISO Certification.

PVC Piping and Fittings: PVC piping provided as part of EDI Aeration Systems is manufactured to industry recognized ASTM and Plastic Pipe Institute procedures and formulations. PVC fittings provided as part of EDI Aeration Systems are manufactured to industry recognized ASTM, NSF, and IAPMO procedures and formulations.

Polyethylene Piping and Fittings: Polyethylene piping provided as part of EDI Aeration Systems is manufactured to industry recognized ASTM and Plastic Pipe Institute standards. EDI's primary PE piping suppliers incorporate ISO Certification. EDI's primary PE fitting manufacturer is also ISO Certified.

Diffuser Membranes: EDI advanced technology membranes are manufactured with ISO certification prior to perforation.

Aeration Units: All other major system components (stainless steel clamps, saddles and fittings) in the EDI Aeration Systems are manufactured to industry recognized ASTM and Plastic Pipe Institute procedures and formulations and/or by companies with ISO Certification.

Environmental Dynamics Inc. incorporates these quality components into our total manufactured products and systems. Using quality components and products as part of EDI Systems plus the internal quality control activities and product testing by EDI assures superior systems for Clients throughout the world. EDI maintains its commitment to excellence and is pleased to provide evidence of a superior quality for the review and consideration of Clients, Engineers, and Business Associates.

Please contact EDI if you have questions or we can provide additional information.