



Environmental Dynamics Inc.

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Commitment to Quality and Excellence

Environmental Dynamics Inc. (EDI) is committed to quality and 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. EDI offers diffuser components and aeration products through the *DiffuserExpress*[®] division and installation services through our *ContractServices*[™] division. EDI equipment and systems are engineered for superior long term performance and maintenance free operation.

EDI developed and institutes an ongoing total quality management program for the manufacture and supply of advanced technology aeration mixing systems. This program provides a systematic approach for procedural documentation to minimize, isolate and eliminate unacceptable conditions, 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 total quality management include: engineering, drafting, purchasing, and manufacturing.

Manufacturing Facilities

EDI recognizes the need for adequate manufacturing facilities to ensure highest quality systems. EDI owns a 110,000 square feet (approximately 10,000 square meters) 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 Assurance
- Space for Storage of Fabricated Products and Final Goods to Prevent Damage

Testing Facilities

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

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 products while in service.

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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 one of the world's largest aeration system manufacturing spaces has generated significant 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 total quality management program.

Quality Control of EDI Components

Key elements in the EDI Total Quality Management Program include quality control throughout our processes including:

- Vendor Visits and Review of Raw Materials
- During Fabrication of Equipment
- Pre-checks Prior to System Shipments
- When Material is Received from EDI Vendors
- Spot Checks of Product by Team Leaders
- Providing of Maintenance Manuals after Delivery

Supplier Certification and Quality

EDI's final requirement for quality and excellence includes selecting suppliers of EDI Aeration System components who utilize superior quality control programs. Adhering to this high standard for suppliers provides EDI with the final element to ensure total quality management of all systems. The 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 in all its manufactured products and systems. Using quality components and products as part of EDI Systems plus the internal quality management 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.

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