Dear Valued Customer:

Dorian Drake International is pleased to present its DDI SuperFlex line of aeration diffusers, membrane diffusers, and specialty diffusers for new and existing municipal and industrial aeration applications.

Our goal is to supply quality products and service at competitive pricing. Our diffusers service all major brands.

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DDI SuperFlex Fine Bubble Systems

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DDI SuperFlex Threaded Disc Diffuser

Threaded Flexible Membrane Fine Bubble Disc Diffuser

- Base and ring are constructed of glass-filled polypropylene.
- Base unit connection is 3/4-inch male NPT.
- Standard diffuser membranes are EPDM.

SuperFlex disc diffuser units are available with premium quality EPDM membranes. The diffusers incorporate an external triple-check valve design to prevent intrusion of liquid or solids into the diffuser or air piping under normal on/off operating conditions.

Technical Data for Threaded Disc

<table>
<thead>
<tr>
<th>Model</th>
<th>Diffuser Type</th>
<th>Peak AirFlow Scfm</th>
<th>Design AirFlow Scfm</th>
<th>Diffuser Dia.</th>
<th>Active Surface Area ft²</th>
<th>m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>01798</td>
<td>9” Standard</td>
<td>6.0</td>
<td>0.5 - 4</td>
<td>10.9</td>
<td>0.41</td>
<td>0.038</td>
</tr>
<tr>
<td>01799</td>
<td>9” High Capacity</td>
<td>10.0</td>
<td>1 - 8</td>
<td>10.9</td>
<td>0.41</td>
<td>0.038</td>
</tr>
<tr>
<td>06078</td>
<td>12” Standard</td>
<td>10.0</td>
<td>1 - 8</td>
<td>12.9</td>
<td>0.64</td>
<td>0.059</td>
</tr>
<tr>
<td>06080</td>
<td>12” High Capacity</td>
<td>18.0</td>
<td>2 - 13</td>
<td>12.9</td>
<td>0.64</td>
<td>0.059</td>
</tr>
</tbody>
</table>

The 9-inch and 12-inch diameter diffusers employ a 3/4-inch diameter NPT (male) threaded connection for ease of installation/maintenance and universal application.

Units can be mounted using the universal diffuser mount and are also available with saddle mount configuration (as shown on next page), which provides unmatched mechanical strength.

Replacement parts are available for the fine bubble disc and tube diffusers.
DDI SuperFlex Diffuser Mounts

DDI SuperFlex Saddle Mount

Key Features and Benefits

- Constructed of glass-filled UV resistant polypropylene suitable for deep tank (high-temperature) applications and robust performance in cold weather service
- Available for pipe size diameters of 3-inch (91 mm), 4-inch diameter (110 mm) for the 9-inch disc unit only. The 12-inch disc is only available in 3-inch diameter pipe size (90 mm)
- Advanced technology premium-quality membrane materials available in EPDM and other special polymer blends
- Triple-check valve design, ideal for on/off applications, restricts entry of liquid/solids into piping
- Resistant to fouling and plugging for low maintenance
- Integral saddle mount provides ease of installation and maintenance
- High-capacity membrane option available for maximum airflow and low operating pressure
- Three times stronger than conventional mounting or push-on systems
- Pre-assembled and leak tested in our facilities

<table>
<thead>
<tr>
<th>Model</th>
<th>Mount Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>S009</td>
<td>9” Saddle Mounted</td>
</tr>
<tr>
<td>S0012</td>
<td>12” Saddle Mounted</td>
</tr>
</tbody>
</table>

DDI SuperFlex Universal Mount

The Universal Diffuser Mount (UDM) for fine bubble or coarse bubble disc diffusers is designed to accept a 3/4-inch NPT diffuser connection. The UDM is engineered for use with 2.4-inch through 8.6-inch O.D. plastic (PVC) or metal pipe. UDM is available in both vinyl & rubber materials of construction. Vinyl UDM (illustrated in the picture) allows for gluing to either PVC or ABS piping. Rubber cannot be glued. The UDM is to be used for mounting diffusers on the top or bottom of the lateral and is not recommended for sidewall mount of diffuser units.

Special installation instructions are included with each order. It will cover special considerations and recommendations for various types of piping materials and wall thicknesses.

<table>
<thead>
<tr>
<th>Model</th>
<th>Mount Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>00308-9</td>
<td>9” Universal Mounted</td>
</tr>
<tr>
<td>00308-12</td>
<td>12” Universal Mounted</td>
</tr>
</tbody>
</table>
The tube diffuser unit is a fine pore, flexible membrane diffuser capable of providing a high level of oxygen transfer efficiency with maximum mixing capability.

Standard configuration includes 3/4-inch stainless steel nipple installed. Nipple can also be shipped loose, or a thru-mount connection can be provided for mounting units on square tubing.

T-Series threaded units are also available in saddle mount style configuration for special design applications.

Standard diffuser membranes are EPDM and PU, with silicone and PTFE membranes available.

Multiple lengths and diameters are available. Membranes held in place with 304 SS clamps and 316 SS clamps are available. For special applications, nonmetallic clamps are also available.

For industrial and non-standard domestic applications, alternate membrane materials are available including polyurethane, silicone, and other specialty polymers. These units may be operated over a wide range of airflows. The external triple-check valve system eliminates solids and minimizes entry of liquid into the diffuser unit and air supply piping under normal operating conditions. Standard tube diffusers with 3/4-inch NPT (male) stainless steel nipples are factory assembled and ready for installation.
About DDI SuperFlex and Dorian Drake International

Headquartered in White Plains, New York USA, Dorian Drake International has been exporting high-quality USA-made products since 1946. With proven expertise and experience, Dorian Drake has assembled a best-in-class series of fine bubble disc and tube diffusers under the DDI SuperFlex brand that meets all US standards and specifications suitable for installation in new and existing municipal and industrial aeration applications.

Interested in our DDI SuperFlex diffusers? A sales manager in one of our global sales office is available to help.

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2 Westchester Park Drive
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Email: DDIexports@doriandrake.com

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Dubai, UAE
Kuala Lumpur, Malaysia
Beijing, China
Weston, FL, USA

DDI SuperFlex Aeration Diffusers

Premium compounds provided by EDI (Environmental Dynamics Inc.)
Long Standing Membrane Quality & Performance.