



Mass Transfer Systems

A North American Filtration Company

23 Walpole Park South

Walpole, Massachusetts 02081 USA

Tel: 001 (508) 660-9150

Fax: 001 (508) 660-9151

E-mail: [mts.sales @ mtsjets.com](mailto:mts.sales@mtsjets.com)

Website: www.mtsjets.com



Mass Transfer Systems

A North American Filtration Company



MECHANICAL ASPIRATORS



Mass Transfer Systems

A North American Filtration Company

MULTI-ASPIRATOR™

Submersible Self-Aspirating Aerator



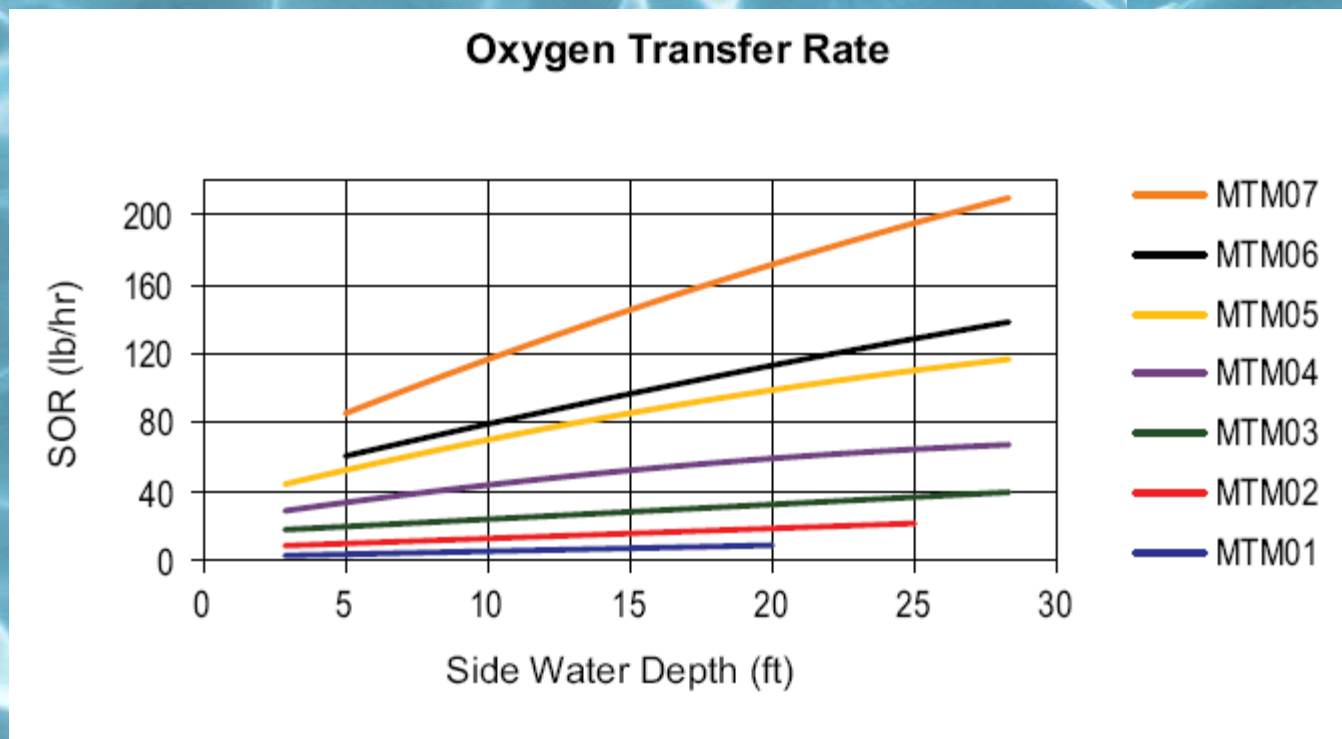
- + Portable, Free-Standing with No Anchors.
- + Easy Installation.
- + Minimal Noise Levels.
- + Excellent Mixing.
- + Efficient Oxygen Transfer.
- + Suppresses Aerosol Formation.
- + Sizes from 2 to 100 Horsepower.
- + No Blowers Required.



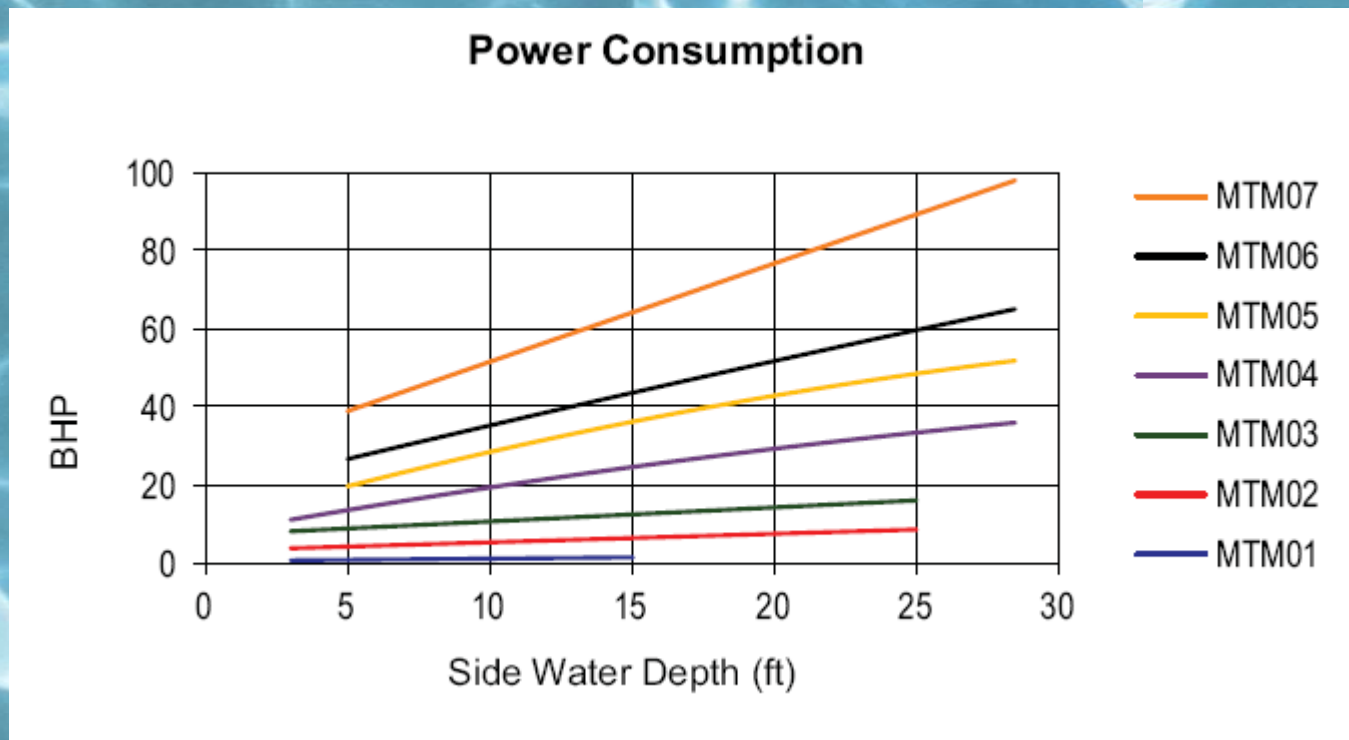
Mass Transfer Systems

A North American Filtration Company

MULTI-ASPIRATOR™ PERFORMANCE



MULTI-ASPIRATOR™ **POWER CONSUMPTION**



Mass Transfer Systems

A North American Filtration Company

MULTI-ASPIRATOR™ PRODUCT SELECTOR



Set the unit to your liquid depth and read the oxygen transfer and horsepower of each Multi-Aspirator available for your application.

Please see a MTS representative to request a copy.



Mass Transfer Systems

A North American Filtration Company

ABOUT MASS TRANSFER SYSTEMS

-  **Founded in 1984**
-  **Over 1,000 Installations Worldwide**
-  **Focused on Jet Aeration and Mechanical Aspiration**
-  **Proven Experience**



Mass Transfer Systems

A North American Filtration Company

COMPANY LOCATIONS

Company Headquarters – Sales, Engineering, Mechanical
Aspirator Manufacturing, Technical Support
Walpole, Massachusetts, USA

South Carolina Facility – Sales, Fiberglass Fabrication
Denmark, South Carolina, USA

New Jersey Facility – Sales, Stainless Steel Fabrication
Ramsey, New Jersey, USA

MTS PRODUCTS



Jet Aeration

1. Jet Manifold and Jet Pod Configurations
2. Fixed and Retrievable Configurations
3. Fiberglass or Stainless Steel Construction



Jet Mixing

1. Jet Manifold and Jet Pod Configurations
2. Fixed and Retrievable Configurations
3. Fiberglass or Stainless Steel Construction



Mechanical Aspirators



Effluent Decanters



Mass Transfer Systems

A North American Filtration Company

DOMESTIC AND INTERNATIONAL PROCESS APPLICATIONS

-  **Industrial Wastewater**
-  **Municipal Wastewater**
-  **Industrial Process Mixing**
-  **Municipal Water Treatment**



Mass Transfer Systems

A North American Filtration Company

INDUSTRIES SERVED

-  **Pharmaceutical**
-  **Pulp & Paper**
-  **Food Processing**
-  **Chemical**
-  **Petrochemical and Refining**
-  **Textile**



Mass Transfer Systems

A North American Filtration Company

MTS JET NOZZLES

- ✚ **MT1** – The MT1 jet nozzle is capable of passing a 1-inch spherical solid particle.
- ✚ **MT2** – The MT2 jet nozzle is capable of passing a 1.5-inch spherical solid particle.
- ✚ **MT4** – The MT4 jet nozzle is capable of passing a 2-inch spherical solid particle.

Because the MTS MT1, MT2, and MT4 jet nozzles have larger solids passing capabilities, the MTS jet mixing or jet aeration manifold systems are significantly less prone to plugging or clogging.

MTS TECHNICAL CD-ROM



Jet Aeration and Mixing Technical Manual and Multi-Aspirator Technical Manual on both 3-inch and 5 ¼-inch CD ROMS.

Available Upon Request.