

# Maxi-Aeration™ Performance Data Page

The Maxi-Aeration DO System includes three (3) components but any one (1) component can be ordered. Send your completed performance data page along with any job specifications to fax 901-758-0816 or email to edwardb@all-st ar-usa.com.

- Standard DO System including all of the components listed below, or just check the items you want included:**
  - Blower consisting of regenerative blower with intake & discharge silencers, motor, blower and temperature RTD mounted in the blower discharge housing if part of DO System.
  - Maxi-Aeration Control consisting of IP-20 enclosed Variable Frequency Drive
  - Maxi-Aeration Controller consisting of NEMA I enclosure, fused disconnect, DO digital set-point controller and indicator, digital temperature indicator, interface board, red alarm light

## BLOWER SPECIFICATIONS

\_\_\_\_ Quantity \_\_\_\_ SCFM \_\_\_\_ CFM/ACFM/ICFM AT \_\_\_\_ PSI \_\_\_\_ "H2O

Special Features: \_\_\_\_\_

Standard Motor voltage 3/60/208-230/460 volts, specify if other \_\_\_\_\_

If multiple blowers

1. How many VFDs do you want to use? \_\_\_\_\_
2. Do you want to
  - a. \_\_\_\_ Rotate blower usage based on usage time
  - b. \_\_\_\_ By-pass VFD to line for power failure
  - c. \_\_\_\_ Switch blower ACL (Across-the-line) when operating at full speed and to have the VFD switch to the next blower

## MAXI-AERATION CONTROL

The standard VFD is a proprietary control made for All-Star Products that includes special features and programming designed specifically for use with regenerative blowers. Other manufacturer's VFDs can be used but they will be more expensive and All-Star Products cannot be responsible for their performance in an aeration application.

The Maxi-Aeration Control includes a correctly sized VFD in an IP20 enclosure, that provides start/stop, manual/auto selection, keypad for changing the speed (frequency) of the blower motor. Please indicate any standard or special features required from the list below, or add anything not included.

\_\_\_\_ Quantity \_\_\_\_\_ Supply Voltage

VFD Enclosure \_\_\_\_ IP 20 \_\_\_\_ NEMA 1 \_\_\_\_ NEMA 12 \_\_\_\_ NEMA 4 \_\_\_\_ NEMA 4X \_\_\_\_ Other

If multiple Controls are required, do you want them in \_\_\_\_ one enclosure or \_\_\_\_ multiple enclosures?

If ordering the Maxi-Aeration Controller below, do you want the VFD(s) included in the same enclosure? \_\_\_\_ Yes \_\_\_\_ No

Special Features: \_\_\_\_\_

## MAXI-AERATION CONTROLLER

The standard controller includes the items listed at the top of this page. Indicate any special features required.

Enclosure (The standard is a NEMA 1) \_\_\_\_ NEMA 12 \_\_\_\_ NEMA 4 \_\_\_\_ NEMA 4x \_\_\_\_ Other

Control functions: \_\_\_\_\_

Control Voltage \_\_\_\_\_

DO Sensor \_\_\_\_ Customer supplied (Output must be 0-10vdc or 4-20ma) If not customer supplied, All-Star can provide the DO sensor. Indicate what type is required: \_\_\_\_ Membrane \_\_\_\_ Fluorescence

Information on these two sensors is posted at <http://www.all-star-usa.com>