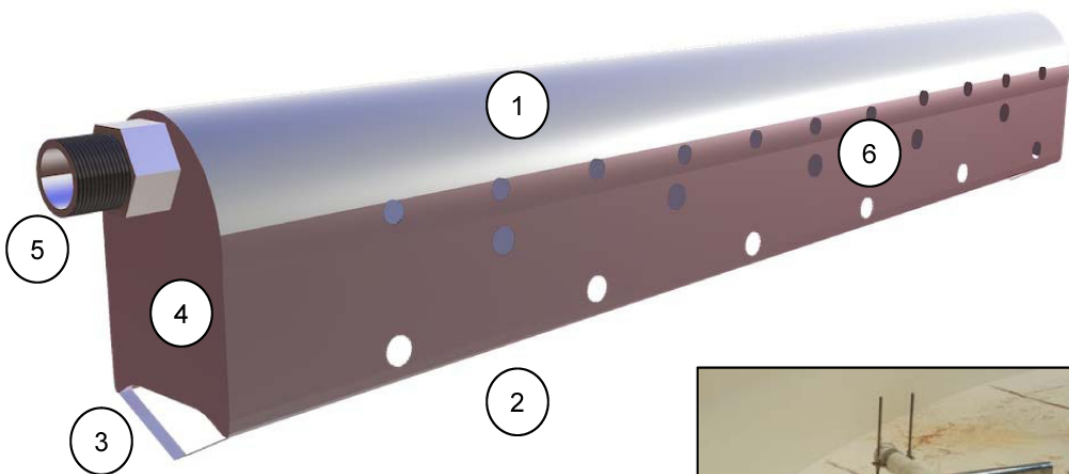


# EDI MaxAir™ SS Diffuser

**Proven design is ideal for both mixing & aeration applications**

- Inverted air chamber design for uniform air release over a wide airflow range
- Full 48" air release perimeter
- High airflow capacity
- Clog resistant self-purge design
- Standard open and option closed bottom design available
- All 316 stainless steel construction for maximum chemical, temperature, and UV resistance
- Rugged heavy duty construction with ¾-inch stainless steel npt (male) inlet and cast inlet
- Standard unit IN STOCK for immediate shipment
- Stainless Steel Mounting Tee is available, eliminating the requirement for stiffening gussets



1. Diffuser Body
2. Standard Open Bottom Design
3. Purge for Closed Bottom Option
4. Continuous Welded Inlet and End Construction
5. Threaded Inlet Connection with Integral Hex Nut
6. Multi-Level Air Metering Orifices



# PRODUCT SPECIFICATION SHEET

EDI MaxAir SS diffuser provides broad band, coarse bubble aeration for maximum mixing efficiency. Most importantly, the air release uniformity and mixing efficiency of the diffuser is maintained over the entire operating range of the unit.

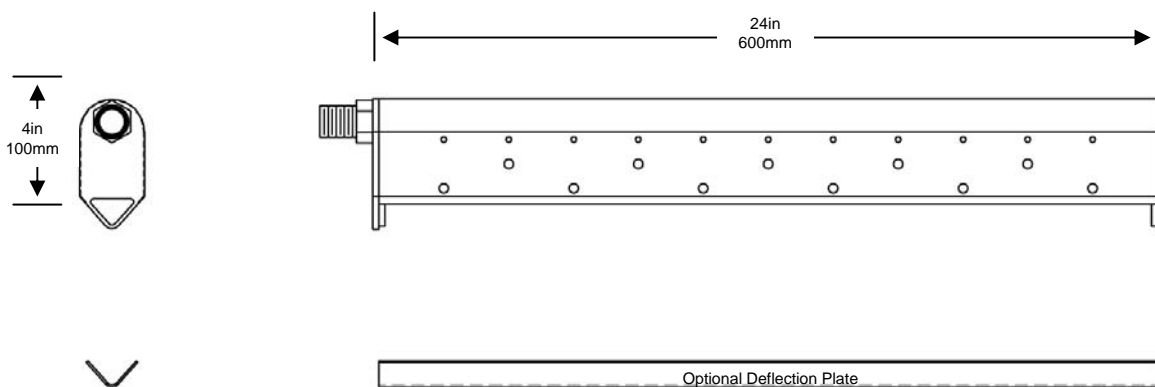
MaxAir SS diffusers are ideal for the most demanding aeration and mixing applications including flow equalization, channel aeration, aerobic digesters, industrial, and mixing and scouring applications including RBC, MBR, IFAS, and MBBR.

Air distribution is achieved with fixed orifices positioned on multiple levels. As the air flow to the diffuser increases, the number of active orifices increases thereby minimizing the pressure required for increased airflow. The standard unit features an open bottom design for maximum purging efficiency.

The diffuser may be operated under a wide range of applications including intermittent and high solids applications. Optional closed bottom design provides a mechanism to preclude the backflow of large particles into the diffuser and piping components.

The MaxAir SS diffuser is designed for long service life. All components are 316 stainless steel. Inlet and end component are single piece cast steel. End plates are attached to the diffuser body with a continuous weld.

MaxAir SS diffusers employ a 3/4-inch diameter npt (male) threaded inlet with integral hex for ease on installation.



EDI MaxAir™ Model	Peak Airflow scfm / m <sup>3</sup> /hr	Design Airflow scfm / m <sup>3</sup> /hr	Design DWP inH <sub>2</sub> O / cmH <sub>2</sub> O	Length inches / mm	Dry Weight lbs / Kg
12" Model (Open)	30.0 / 51.0	3-18 / 5.1-30.6	0.5-2.9 / 1.3-7.3	12.4 / 315	1.50 / 0.68
24" Model (Open)	55.0 / 93.5	5-36 / 8.5-61.2	0.5-7.0 / 1.3-17.8	24.4 / 620	2.32 / 1.05
12" Model (w/Deflector)	30.0 / 51.0	3-18 / 5.1-30.6	0.5-2.9 / 1.3-7.3	12.4 / 315	1.76 / 0.80
24" Model (w/Deflector)	55.0 / 93.5	5-36 / 8.5-61.2	0.5-7.0 / 1.3-17.8	24.4 / 620	2.64 / 1.20



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