



SPECIFICATION

CoarsAIR MAXAIR™ SS

Stainless Steel Coarse Bubble Diffuser

The EDI CoarsAir MaxAir™ SS diffusers offer efficient mixing for demanding applications such as aerobic digesters or industrial wastewater treatment. The CoarsAir MaxAir SS is manufactured as standard in Stainless Steel 304, available in 316 for select applications, and is a preferred option for long-term resistance against most acids, bases, salts, and other aggressive chemicals or deep tanks with air at elevated temperatures.

Material Features

- 304-L Stainless Steel body is standard, optional 316-L SS body available, with 316-L stainless steel ends for both options.
- Inverted air chamber design ensures uniform air release across a wide range, resulting in great airflow capacity.
- The multi-level air metering orifice design ensures full utilization across the unit's operating range.
- Available in 24" (610 mm) and 12" (305 mm)
- Standard ¾-inch diameter NPT (male) threaded with integral hex for ease on installation onto EDI's rugged Stainless Steel Saddle connections or similar threaded adapters.
- Clog resistant self-purge design.
- Standard open bottom with optional closed bottom deflector available.
- Highest temperature resistance for autothermal digester applications.
- Orifice plug custom-engineered for specific pressure requirements, Made from glass-filled polypropylene for high temperature resistance.

Standard Model # with 304 stainless steel	MX4S-12		MX4S-24	
Equivalent Model # with 316 stainless steel	MX6S-12		MX6S-24	
Typical Airflow	5.0-15.0 scfm 7.9-23.8 m ³ n/h		5.0-27.5 scfm 7.9-43.6 m ³ n/h	
Maximum Airflow	30.0 scfm 47.5 m ³ n/h		55.0 scfm 87.1 m ³ n/h	
Overall Length	12.0 in 305 mm		24.0 in 610 mm	
Orifice Size	0.84 in 21 mm		0.84 in 21 mm	
Type	Open	Deflector	Open	Deflector
Dry Weight	1.6 lb 0.72 kg	1.3 lb 0.60 kg	4.0 lb 1.81 kg	3.8 lb 1.72 kg
Net Operating Buoyancy	1.5 lb 0.68 kg	1.8 lb 0.80 kg	2.2 lb 0.98 kg	2.3 lb 1.04 kg

NOTES:

- Values listed in the specification chart are per diffuser unit, unless noted otherwise.
- Optimum performance is achieved when operating in typical airflow range, Coarse Bubble Diffuser can operate at Maximum Operational airflow, please consult EDI for guidance.



SPECIFICATION: FlexAir Pro SS MaxAir
(SS179-EA-25-03)