

T E C H N I C A L   D A T A   S H E E T

# SSI™ FINE BUBBLE DIFFUSERS

## ECO270 9" DISC

- Highest possible quality and technology means years of trouble-free efficient operation.
- Highest possible SOTE independently tested per ASCE, and lowest possible headloss.
- Industry Standard Size and Shape. Membranes are interchangeable with (3) other manufacturers.
- Experienced Engineering and Drafting staff with years of practice to assist you.
- Simple and quick installation with QC Saddle or Grommet.
- 140° F (60° C) temperature resistance and environmentally-friendly recycled polypropylene body.
- SSI membranes with individual thermocouples in each cavity = 100% quality control.
- Each membrane checked for even perforation depth to ensure uniform air release.
- Low membrane plasticizer content to reduce shrinkage and hardening, but enough to avoid creep.
- Multiple integral check valves keep your aeration piping system clean.
- 21st century-special materials, such as PTFE, fEPDM, as well as reinforced and coated ultra fine bubble membranes for outstanding chemical or fouling resistance, or for the highest oxygen transfer efficiency at a headloss you can live with.
- In stock on 3 continents in 4 locations.



## MEMBRANES



### EPDM

- Excellent conventional material
- No encapsulation



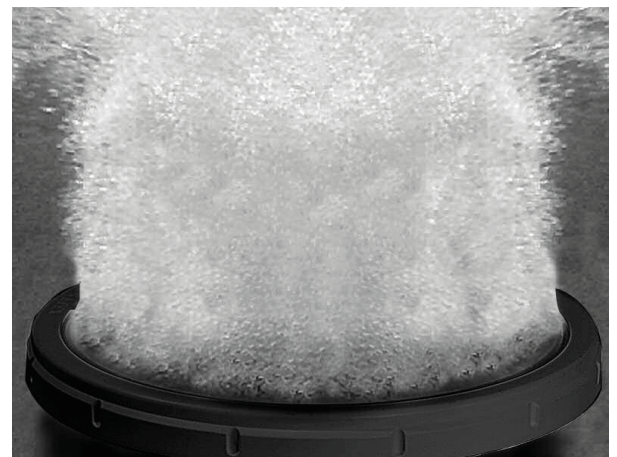
### fEPDM

- Superior chemical resistance
- Complete surface and slit encapsulation



### PTFE

- Best fouling resistance
- Non-stick coating
- Surface encapsulation

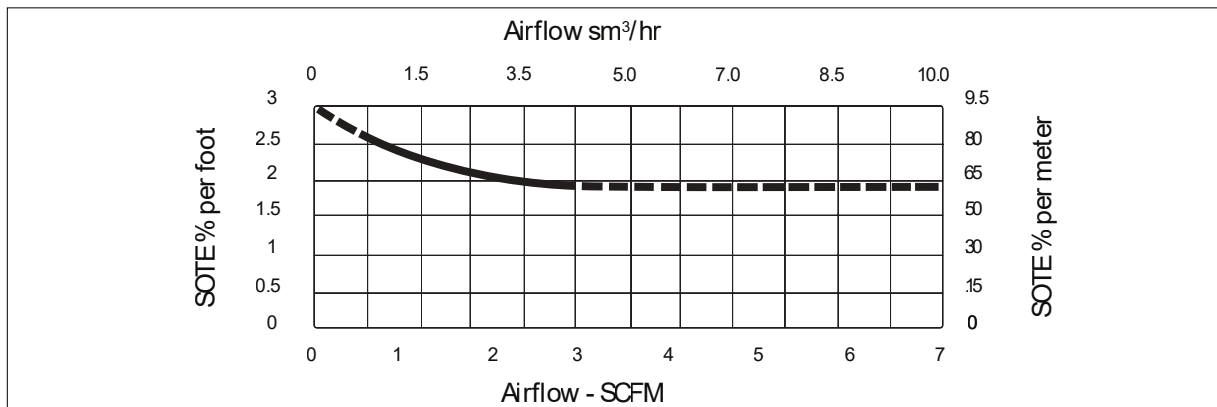
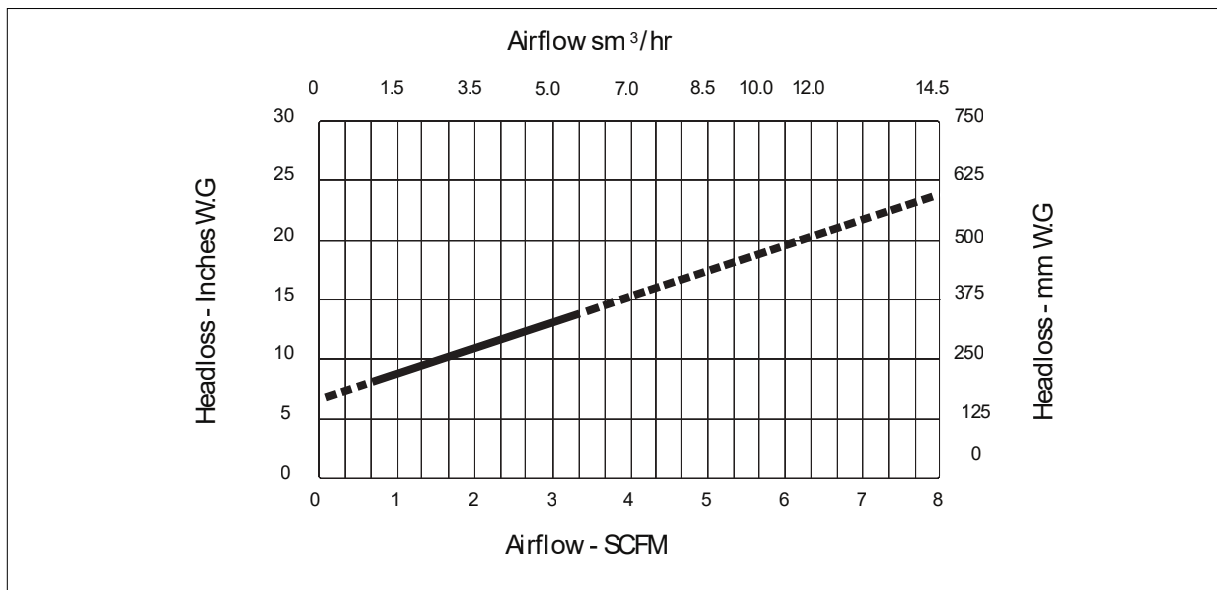
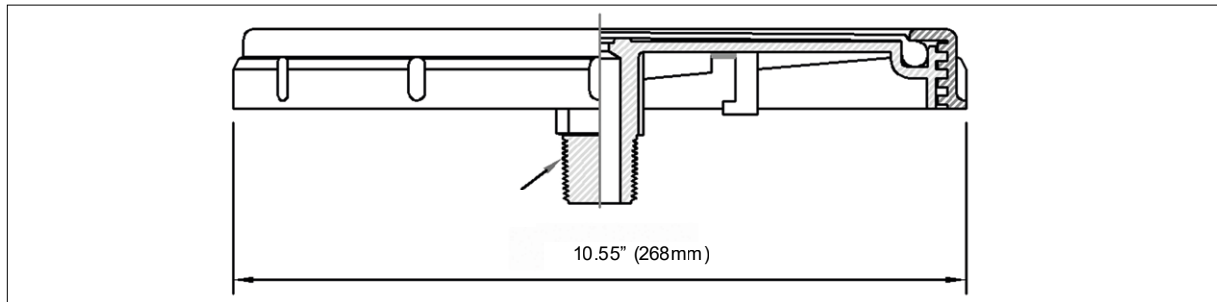


Please see reverse for additional technical data

## T E C H N I C A L   D A T A   S H E E T

# SSI™ FINE BUBBLE DIFFUSERS *continued*

## ECO270 9" DISC



DESIGN FLOW	FLOW RANGE	ACTIVE SURFACE AREA	SLIT QUANTITY	WEIGHT
1.5 - 3.0 SCFM (2.5 - 5.0 Sm <sup>3</sup> /hr)	0 - 7 SCFM (0 - 12 Sm <sup>3</sup> /hr)	0.4100 ft <sup>2</sup> (0.0375 m <sup>2</sup> )	6,600	1.5 lbs (680.0 g)

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# SSI™ FINE BUBBLE DIFFUSERS

## ECO350 12" DISC

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- Highest possible SOTE independently tested per ASCE, and lowest possible headloss.
- Industry Standard Size and Shape. Membranes are interchangeable with (3) other manufacturers.
- Experienced Engineering and Drafting staff with years of practice to assist you.
- Simple and quick installation with QC Saddle or Grommet.
- 140° F (60° C) temperature resistance and environmentally-friendly recycled polypropylene body.
- SSI membranes with individual thermocouples in each cavity = 100% quality control.
- Each membrane checked for even perforation depth to ensure uniform air release.
- Low membrane plasticizer content to reduce shrinkage and hardening, but enough to avoid creep.
- Multiple integral check valves keep your aeration piping system clean.
- 21st century-special materials, such as PTFE, fEPDM, as well as reinforced and coated ultra fine bubble membranes for outstanding chemical or fouling resistance, or for the highest oxygen transfer efficiency at a headloss you can live with.
- In stock on 3 continents in 4 locations.



## MEMBRANES



### EPDM

- Excellent conventional material
- No encapsulation



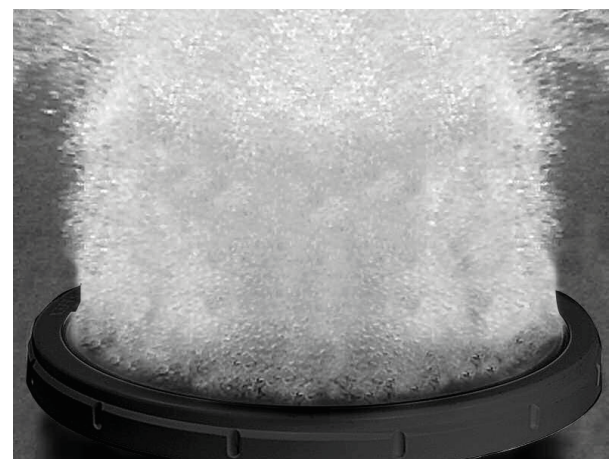
### fEPDM

- Superior chemical resistance
- Complete surface and slit encapsulation



### PTFE

- Best fouling resistance
- Non-stick coating
- Surface encapsulation



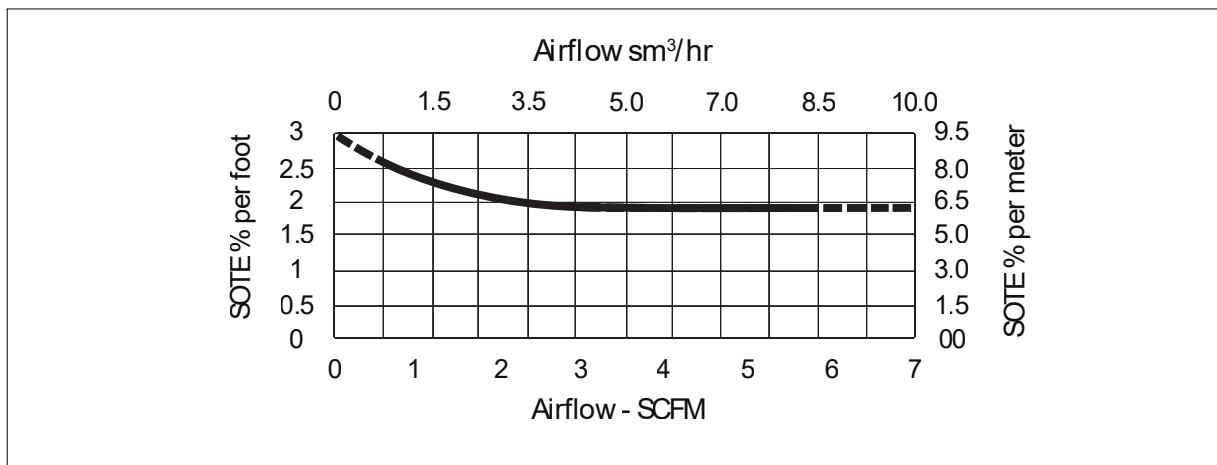
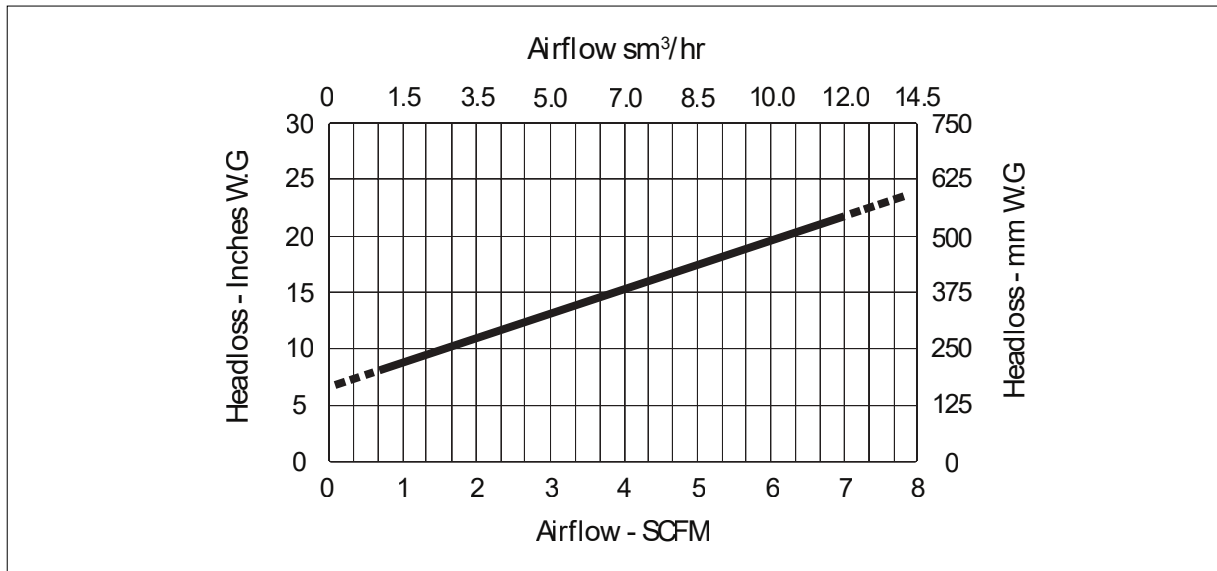
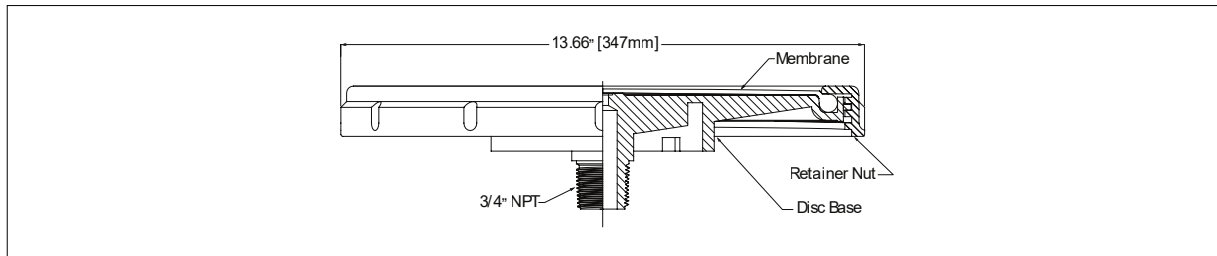
Please see reverse for additional technical data

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# SSI™ FINE BUBBLE DIFFUSERS

*continued*

## ECO350 12" DISC



DESIGN FLOW	FLOW RANGE	ACTIVE SURFACE AREA	SLIT QUANTITY	WEIGHT
2.5-5.0 SCFM (4.2-8.3 Sm <sup>3</sup> /hr)	0-12 SCFM (0-20 Sm <sup>3</sup> /hr)	0.70 ft <sup>2</sup> (0.0650 m <sup>2</sup> )	10,155	3.0 lbs (1.4 Kg)