## SSI FINE BUBBLE DIFFUSERS

- Highest possible quality and technology means years of troublefree 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.
- 212° F (100° C) temperature resistance and environmentallyfriendly polypropylene body.
- Compression-molded 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

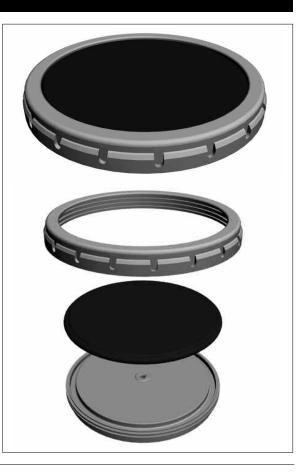


### Please see reverse for additional technical data



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# SSI FINE BUBBLE DIFFUSERS

continued

#### 3/4" NPT (19mm) 10.55" (268mm) Airflow Sm<sup>3</sup>/hr 1.5 3.5 5.0 8.5 10.0 0 7.0 12.0 30 750 25 625 Headloss - Inches W.G Headloss - mm W.G 20 500 47 15 375 10 250 125 5 0 0 1 2 3 4 5 6 7 0 Airflow - SCFM Airflow Sm<sup>3</sup>/hr 1.5 3.5 5.0 0 7.0 8.5 10.0 12.0 3 9.5 % per meter SOTE % per foot 2.5 8.0 2 6.5 1.5 5.0 SOTE 1 3.0 1.5 0.5 0.0 0

 DESIGN FLOW
 FLOW RANGE
 ACTIVE SURFACE AREA
 SLIT QUANTITY
 WEIGHT

 1.5 - 3.0 SCFM
 0-7 SCFM
 0.41 ff² (0.0375 m²)
 6,600
 1.5 lbs (680 g)

 (2.5-5.0 Sm³/hr)
 (0-12 Sm³/hr)
 0.41 ff² (0.0375 m²)
 6,600
 1.5 lbs (680 g)

**Airflow - SCFM** 

4

5

6

7

3



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