

## Fine bubble tube diffuser

### ■ Series-9

Membrane Material: \_\_\_\_\_

EP: High grade EPDM sleeve

SL: High tear strength Silicon sleeve



#### High grade EPDM sleeve

- Density 1.09±0.03 g/cm<sup>3</sup>
- Hardness, 40±5 shore A
- Tensile strength >6MPa
- Elong. at break >400%
- Tear Resistance >6N/mm (ISO34-1)

Perforation membrane from Germany



#### High tear strength Silicon Sleeve

- Density 1.19
- Hardness, 65±3 shore A
- Tensile strength: approx. 10MPa
- Elong. at break, 510%
- Tear Resistance, approx. 35kN/m

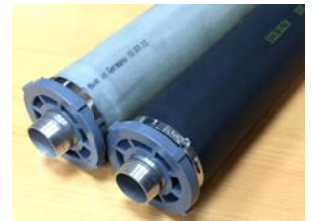


Integrated non-return valve



### STD Configuration

Diffuser Type	9-500-EP, 9-500-SL	9-1000-EP, 9-1000-SL
OD x Total length	95mm x 550mm	95mm x 1,050mm
Eff. Length x Perforated area	500mm x 0.12m <sup>2</sup>	1,000mm x 0.24m <sup>2</sup>
Air inlet threaded	1-1/4" NPT, female	
Continuous airflow	3.0-9.0 Nm <sup>3</sup> /h	6.0-18.0 Nm <sup>3</sup> /h
Max. overload/Maintenance airflow (<15min/day)	15.0 Nm <sup>3</sup> /h	30.0 Nm <sup>3</sup> /h



### Hanging Pairs Configuration

Diffuser type	Membrane	Air header	Remarks
9-1000EP-KPH-04	EPDM	OD.114.3mm	<ul style="list-style-type: none"> <li>■ Total length x Effective length: 1,290mm x 1,000mm</li> <li>■ Perforated area: 0.24m<sup>2</sup></li> <li>■ Continuous airflow: 6.0 - 18.0 Nm<sup>3</sup>/h</li> </ul>
9-1000SL-KPH-04	Silicon		
9-1000EP-KPH-06	EPDM	OD.168.3mm	
9-1000SL-KPH-06	Silicon		
9-2000EP-KPH-04	EPDM	OD.114.3mm	<ul style="list-style-type: none"> <li>■ Total length x Effective length: 2,290mm x 2,000mm</li> <li>■ Perforated area: 0.48m<sup>2</sup></li> <li>■ Continuous airflow: 12.0 - 36.0 Nm<sup>3</sup>/h</li> </ul>
9-2000SL-KPH-04	Silicon		
9-2000EP-KPH-06	EPDM	OD.168.3mm	
9-2000SL-KPH-06	Silicon		



### Bilateral Pairs Configurations

Diffuser type	Membrane	Air header	Remarks
9-1000EP-KPT-88.9	EPDM	OD.88.9mm	<ul style="list-style-type: none"> <li>■ Total length x Effective length: 1,280mm x 1,000mm</li> <li>■ Perforated area: 0.24m<sup>2</sup></li> <li>■ Continuous airflow: 6.0 - 18.0 Nm<sup>3</sup>/h</li> </ul>
9-1000SL-KPT-88.9	Silicon		
9-1000EP-KPT-90	EPDM	OD.90mm	
9-1000SL-KPT-90	Silicon		
9-1000EP-KPT-110	EPDM	OD.110mm	<ul style="list-style-type: none"> <li>■ Total length x Effective length: 2,280mm x 2,000mm</li> <li>■ Perforated area: 0.48m<sup>2</sup></li> <li>■ Continuous airflow: 12.0 - 36.0 Nm<sup>3</sup>/h</li> </ul>
9-1000SL-KPT-110	Silicon		
9-2000EP-KPT-88.9	EPDM	OD.88.9mm	
9-2000SL-KPT-88.9	Silicon		
9-2000EP-KPT-90	EPDM	OD.90mm	
9-2000SL-KPT-90	Silicon		
9-2000EP-KPT-110	EPDM	OD.110mm	
9-2000SL-KPT-110	Silicon		



Diffuser type	Membrane	Air header	Remarks
9-1000EP-KPT-114.3	EPDM	OD.114.3mm	<ul style="list-style-type: none"> <li>■ Total length x Effective length: 1,280mm x 1,000mm</li> <li>■ Perforated area: 0.24m<sup>2</sup></li> <li>■ Continuous airflow: 6.0 - 18.0 Nm<sup>3</sup>/h</li> </ul>
9-1000SL-KPT-114.3	Silicon		
9-2000EP-KPT-114.3	EPDM		
9-2000SL-KPT-114.3	Silicon		



■ Effective length 1,500mm available as options    ■ Sleeve material Pure-Polyurethane available as options