



# PERMACAP

## Coarse Bubble Diffuser

The EDI PermaCap diffuser offers greater airflow capacity over smaller sized coarse bubble diffusers, and is primarily used in applications requiring mixing or where Oxygen Transfer Efficiency is not an objective.



## Material Features

- Made of durable ABS construction for mechanical strength and UV protection.
- High airflow capacity.
- Standard  $\frac{3}{4}$ " male NPT threaded connection available,  $\frac{3}{8}$ " available as optional.
- EPDM membrane that can be perforated to achieve Coarse Bubble, Medium Sized Bubble, and even Fine Bubble, to suit each project need.
- Preferred mounting on bottom of air piping to achieve self-purge and back-flow protection.
- Pipe mounted using UDM, Saddle, or threaded adapter.

Model	PC75	PC75	PC75	PC38	PC75	PC75
<b>Connection</b>	3/4"	3/4"	3/4"	3/8"	3/8"	3/8"
<b>Bubble Size</b>	Coarse	Medium	Fine	Coarse	Medium	Fine
<b>Typical Airflow</b>	1.0-10.0 scfm 1.6-15.8 m <sup>3</sup> n/h	1.0-4.0 scfm 1.6-6.3 m <sup>3</sup> n/h	0.5 -0-1.0 scfm 0.8-1.6 m <sup>3</sup> n/h	1.0-10.0 scfm 1.6-15.8 m <sup>3</sup> n/h	1.0-4.0 scfm 1.6-6.3 m <sup>3</sup> n/h	0.5 -0-1.0 scfm 0.8-1.6 m <sup>3</sup> n/h
<b>Maximum Airflow</b>	20.0 scfm 31.7 m <sup>3</sup> n/h	8.0 scfm 12.7 m <sup>3</sup> n/h	2.0 scfm 3.2 m <sup>3</sup> n/h	20.0 scfm 31.7 m <sup>3</sup> n/h	8.0 scfm 12.7 m <sup>3</sup> n/h	2.0 scfm 3.2 m <sup>3</sup> n/h
<b>Overall Diameter</b>	5.0 in 127 mm	5.0 in 127 mm	5.0 in 127 mm	5.0 in 127 mm	5.0 in 127 mm	5.0 in 127 mm
<b>Active Surface Area</b>	0.13 ft <sup>2</sup> 0.012 m <sup>2</sup>	0.13 ft <sup>2</sup> 0.012 m <sup>2</sup>	0.13 ft <sup>2</sup> 0.012 m <sup>2</sup>	0.13 ft <sup>2</sup> 0.012 m <sup>2</sup>	0.13 ft <sup>2</sup> 0.012 m <sup>2</sup>	0.13 ft <sup>2</sup> 0.012 m <sup>2</sup>
<b>Dry Weight</b>	0.20 lb 0.091 kg	0.20 lb 0.091 kg	0.19 lb 0.087 kg	0.19 lb 0.087 kg	0.20 lb 0.091 kg	0.19 lb 0.087 kg

**NOTES:**

- Values listed in the specification chart are per diffuser, unless noted otherwise.
- Optimum oxygen transfer efficiency is achieved when operating in typical airflow range.
- Operating below the Typical Airflow range will lead to poor uniformity and higher risk of fouling.
- Operating at or above Maximum Airflow for extended periods may lead to reduced SOTE and decreased membrane longevity.

## Working with EDI is easy:

<p><b>1</b> We walk you through exactly what project info we need. Call +1 573 474 9456 or visit wastewater.com.</p>	<p><b>2</b> We supply drawings, specs, best-in-class aeration, support, even install!</p>	<p><b>3</b> You rest easy, knowing your plant has <b>Aeration for life®</b></p>
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**SPECIFICATION: PermaCap  
(SS181-EA-24-06)**