

## Mesh Options for Standard Orifices

Emitter Color	Orifice Size	Mesh	Provides this Filter Ratio	Emitter Color	Orifice Size	Mesh	Provides this Filter Ratio
White	.07	30	3.4:1	Violet	.044	50	4.0:1
		40	4.7:1			60	4.8:1
		50	6.4:1			80	6.3:1
		60	7.6:1			100	8.0:1
Red	.06	40	4.0:1	Blue	.04	50	3.6:1
		50	5.5:1			60	4.3:1
		60	6.5:1			80	5.7:1
		80	8.6:1			100	7.3:1
Yellow	.055	40	3.7:1	Orange	.033	60	3.6:1
		50	5.0:1			80	4.7:1
		60	6.0:1			100	6.0:1
		80	7.9:1			120	7.2:1
Green	.05	40	3.3:1	Black	.03	80	4.3:1
		50	4.5:1			100	5.5:1
		60	5.4:1			120	6.5:1
		80	7.1:1			150	7.3:1

When deciding which mesh is appropriate for your application, take into consideration the following:

1.) What is the size of the smallest orifice that I am trying to protect?

As shown above, you have several alternatives in choosing which mesh to use on a certain orifice. For example, when choosing a mesh for a blue jet, meshes for 50 to 100 are regularly used depending on the level of filtration desired. Typically, finer meshes equate to more maintenance on a filter. Sometimes, users opt for coarser filtration, letting the very fine particulate pass the filter in an effort to increase the run time of the filter. This, however, increases the chance of your emitters becoming clogged or sandblasted over time.

2.) What is the particle size and distribution?

If you size a mesh by orifice size alone, you may run into problems if the size of the particulate being filtered is close to the same size as the mesh opening. Although your orifices would remain clear, your filter element may clog regularly. Often, this can be avoided by going to a slightly finer or coarser mesh.

### CONCLUSION:

To insure the best fit of mesh for you emitter, consideration must be given not only to the size of you orifices, but to the size and distribution of you particulate. Coarser or finer mesh then becomes a matter of personal preference and comfort level.

This informational sheet had been provided by:

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