



ESPY® SENSING COMPONENT TUBE ADAPTERS

Vertical Fluid Level Repeatability Verification

Espy® sensing component tube adapters are specified to have a fluid level repeatability tolerance of ± 1 mm. This test verified the specification for each standard Espy® tube adapter: 1/4", 3/8", 1/2", 3/4" and 1" sizes.

Test Method

A single tube adapter of each size was tested while mounted on standard-wall FluoroLine® PFA tubing. The tubing was oriented in a vertical position and level repeatability measured. Ten measurements were taken at room temperature for each tube ring. The lowest measurement, highest measurement and range were recorded.

Results

Fluid Level Repeatability was measured using deionized water. Other chemicals should have similar results. Initial results were:

	1/4" Tube Adapter	3/8" Tube Adapter	1/2" Tube Adapter	3/4" Tube Adapter	1" Tube Adapter
Total Range	.071" (1.803 mm)	.044" (1.12 mm)	.034" (0.864 mm)	.030" (0.762 mm)	.048" (1.219 mm)

Conclusion

Each standard Espy® tube adapter meets the fluid level repeatability tolerance specification of ± 1 mm.

For More Information

Contact your local Entegris distributor or visit Entegris' Web site at www.entegris.com.

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