

Integrating Sphere Accessories



Complete your integrating sphere application set-up with these accessories designed to work with Newport integrating spheres.

Customize Your Integrating Sphere



Complete your integrating sphere set-up with a wide variety of accessories that make interfacing fibers and detectors easy.

Detector and Thread Adaptor



Also available are the detector adaptors to mount Newport's 818 and 918D series photodiode detectors, and the C-mount and SM1 thread adaptors.

819-DA	Detector Adaptor for 818 detectors, to 1 inch Port
7Z08366N	Detector Adaptor for 918(D) Series, to 1 inch Port
819M-CM-1.0	Port Adapter, 1.0", to C-mount, 819M Series
819M-B-11-1.0	Port Adapter, 1.0" to Male C-mount
819M-SM1-1.0	SM1 (1.035"-40) Port Adaptor, 1 inch, Flat Black
SPH-UDAPT	Port Flange Adapter, 1.0 in. port, Oriel and Lens Tube

Product Features

- Customize your Newport integrating sphere
- Port expanders, reducers and plugs
- Fiber adapters
- Thread adapters

Port Expanders and Reducers



Port reducer reduces the clear aperture size of a port. The 0.5 inch to 1.0 inch Port expander does not expand the actual clear aperture but allows mounting of 1.0 inch adapters on the port. For the best result, pick an accessory that has the same kind of reflective material as the sphere itself, if available.

7Z08365N	Port Expander, 0.5 to 1.0 in.
819M-B-0.06-0.5	Port Reducer, 0.5 to 0.0625 inch, Flat Black
819M-B-0.12-0.5	Port Reducer, 0.5 to 0.125 inch, Flat Black
819M-B-0.12-1.0	Port Reducer, 1 to 0.125 inch, Flat Black
819M-B-0.25-0.5	Port Reducer, 0.5 to 0.25 inch, Flat Black
819M-B-0.25-1.0	Port Reducer, 1 to 0.25 inch, Flat Black
7Z08363N	Port Reducer, 1 to 0.5 inch, Flat Black
819M-B-0.75-1.0	Port Reducer, 1 to 0.75 inch, Flat Black
819M-G-0.50-1.0	Port Reducer 1" to 0.5", Diffused Gold, 819 Series

Port Plugs



Integrating sphere port plugs are used to block an unused port on the sphere. They are offered in PTFE, barium sulfate (Spectrafect), diffuse gold, or flat black for various port sizes. In case the right size port plug is not available, consider first mounting a port reducer and then a right size port plug.

819M-PP-SF-0.5	0.5 inch, Spectrafect, 819 Series
819M-PP-SF-1.0	1.0 inch, Spectrafect, 819 Series
819M-PP-SF-1.5	1.5 inch, Spectrafect, 819 Series
819M-PP-SF-2.5	2.5 inch, Spectrafect, 819 Series
7Z08360N	0.5 inch, PTFE, 819 Series
819M-PP-1.0	1.0 inch, PTFE, 819 Series
7Z08359N	1.5 inch, PTFE, 819 Series
819M-PP-2.5	2.5 inch, PTFE, 819 Series
819M-PP-GL-1.0	1.0 inch, Diffused Gold, 819 Series
819M-PP-GL-0.5	0.5 inch, Diffused Gold, 819 Series
7Z08371N	0.5 inch, Flat Black Coated Protective Cover
7Z08282N	1.0 inch, Flat Black Coated Protective Cover
7Z08370N	1.5 inch, Flat Black Coated Protective Cover
7Z08281N	2.5 inch, Flat Black Coated Protective Cover

External Sample Holder



Our sample holder attaches to a 1.0 inch port frame on a 819C or 819D Series integrating sphere. It holds the sample of interest external to the integrating sphere.

819M-SAM-1.0	Sample Holder, 1 in. Port, External Mounting
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Port Frame Reducers



A port frame reducer reduces the clear aperture as well, however, an additional accessory can be mounted on the port frame.

7Z08361N	Port Frame Reducer, 1.5 to 1 in. Port, Flat Black
819M-PFR-1.0-1.5G	Port Frame Reducer, 1.5 to 1 in. Port, Diffuse Gold
7Z08362N	Port Frame Reducer, 1.5 to 1 in. Port, Spectrafect
819M-PFR-1.0-2.5B	Port Frame Reducer, 2.5 to 1 in. Port, Flat Black
819M-PFR-1.0-2.5G	Port Frame Reducer, 2.5 to 1 in. Port, Diffuse Gold
819M-PFR-1.0-2.5	Port Frame Reducer, 2.5 to 1 in. Port, Spectrafect

Fiber Adaptors



Our integrating sphere fiber adaptors connect to a 1/2 inch or 1 inch port on an 819C or 819D Series integrating sphere, to allow fiber optic power measurement.

819M-FC-0.5	FC Fiber Adaptor, 0.5 inch Port, Flat Black, 819 Series
819M-FC-1.0V2	FC Fiber Adaptor, 1 inch Port, Flat Black, 819 Series
819M-LC-0.5	LC Fiber Adaptor, 0.5 inch Port, Flat Black, 819 Series
819M-LC-1.0	LC Fiber Adaptor, 1 inch Port, Flat Black, 819 Series
7Z08364N	SMA Fiber Adaptor, 0.5 inch, Flat Black, 819 Series
819M-SMA-1.0V2	SMA Fiber Adaptor, 1 inch, Flat Black, 819 Series
819M-ST-0.5	ST Fiber Adaptor, 0.5 inch, Flat Black, 819 Series
819M-ST-1.0	ST Fiber Adaptor, 1 inch, Flat Black, 819 Series
819M-SMA-0.5G	SMA Fiber Adaptor, 0.5 inch, Diffused Gold, 819M Series
819M-SMA-1.0G	SMA Fiber Adaptor, 1 inch, Diffused Gold, 819M Series