

Particulate Filter Assembly

The 6000 Series Tee Filters are designed to remove 40-micron and 2-micron particulates from both assist and resonator gas supply systems respectively. Tee filters reduce laser maintenance costs caused by contaminants in brazed or tapped piping systems. The tee filter design offers a quick-change replacement element to minimize downtime.



580-6001 shown



580-6002 shown



580-6003 shown

580-6001	580-6002	580-6003
Application: Resonator	Application: Assist	Application: Assist
Filtration efficiency: 2-micron	Filtration efficiency: 40-micron	Filtration efficiency: 40-micron
Material of construction: Brass	Material of construction: Brass	Material of construction: 316L stainless steel
Maximum working pressure: 1,000 PSIG	Maximum working pressure: 2,000 PSIG	Maximum working pressure: 4,500 PSIG
Maximum flow capacity: 140 CFH N2 with 100 PSIG inlet and a pressure drop of 10 PSIG	Maximum flow capacity: 4,500 CFH N2 with 450 PSIG inlet and a pressure drop of 10 PSIG	Maximum flow capacity: 4,500 CFH N2 with 450 PSIG inlet and a pressure drop of 10 PSIG

Ordering Information

Part Number	Description
580-6001	Resonator 2-micron brass tee filter assembly with 1/4" tube fittings, isolation valve on the inlet and outlet (1,000 PSIG max)
580-6001-M06	Resonator 2-micron brass tee filter assembly with 6mm tube fittings, isolation valve on the inlet and outlet (1,000 PSIG max)
580-6002	Assist 40-micron brass tee filter assembly with 1/2" FPT valve inlet and 1/2" MPT outlet (2,000 PSIG max.)
580-6003	Assist 40-micron stainless tee filter assembly with 1/2" FPT 90° elbow inlet and 1/2" MPT outlet (4,500 PSIG max.)
830-0317	2-micron brass tee filter with 1/4" MPT inlet and outlet (2,000 PSIG max.)
830-0318	Replacement 2-micron filter element for 580-6001 and 830-0317
830-8989	Replacement 40-micron filter element for 580-6002, 580-6003, 830-8990 and 830-9830
830-8990	Assist 40-micron stainless tee filter with 1/2" MPT inlet and outlet (6,000 PSIG max.)
830-8999	Replacement 40-micron filter element for 580-6001 and 830-0317
830-9830	Assist 40-micron brass tee filter with 1/2" MPT inlet and outlet (2,000 PSIG max.)