

6000 SERIES Accessories

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 cost caused by contaminants in brazed or tapped piping systems. The tee filter design offers a quick-change replacement element to minimize downtime.



5806001

Application: Resonator

Filtration efficiency: 2-micron

Material of construction: Brass

Maximum working pressure:
1000 PSIG (70 BAR)

Maximum flow capacity:
140 SCFH (66 lpm) N₂ with
100 PSIG (7 BAR) inlet and a pressure
drop of 10 PSIG (0.7 BAR)



5806002

Application: Assist

Filtration efficiency: 40-micron

Material of construction: Brass

Maximum working pressure:
2000 PSIG (137 BAR)

Maximum flow capacity:
4500 SCFH (127 lpm) N₂ with
450 PSIG (31 BAR) inlet and a pressure
drop of 10 PSIG (0.7 BAR)



5806003

Application: Assist

Filtration efficiency: 40-micron

Material of construction: 316L stainless steel

Maximum working pressure:
4500 PSIG (310 BAR)

Maximum flow capacity:
4500 SCFH (127 lpm) N₂ with
450 PSIG (31 BAR) inlet and a pressure
drop of 10 PSIG (0.7 BAR)

Related Options

Part Number	Description
5806001-01-001	Resonator 2-micron brass tee filter assembly with ¼" tube fittings, isolation valve on the inlet and outlet 1000 PSIG (70 BAR) max.
5806001-01-M06	Resonator 2-micron brass tee filter assembly with 6mm tube fittings, isolation valve on the inlet and outlet 1000 PSIG (70 BAR) max.
5806002	Assist 40-micron brass tee filter assembly with ½" FPT valve inlet and ½" MPT outlet 2000 PSIG (137 BAR) max.
5806003	Assist 40-micron stainless tee filter assembly with ½" FPT 90° elbow inlet and ½" MPT outlet 4500 PSIG (310 BAR) max.
8300317	2-micron brass tee filter with ¼" MPT inlet and outlet 1000 PSIG (70 BAR) max.
8300318	Replacement 2-micron filter element for 580-6001 and 830-0317
8308989	Replacement 40-micron filter element for 580-6002, 580-6003, 830-8990 and 830-9830
8308990	Assist 40-micron stainless tee filter with ½" MPT inlet and outlet 6000 PSIG (413 BAR) max.
8308999	Replacement 40-micron filter element for 580-6001 and 830-0317
8309830	Assist 40-micron brass tee filter with ½" MPT inlet and outlet 2000 PSIG (137 BAR) max.