

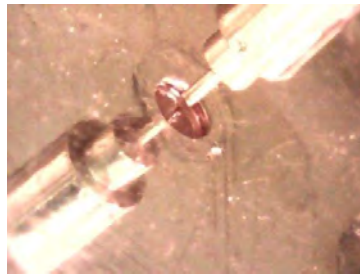


Series 8

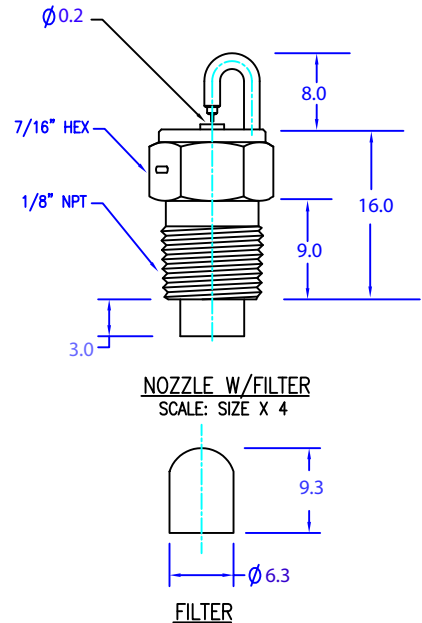
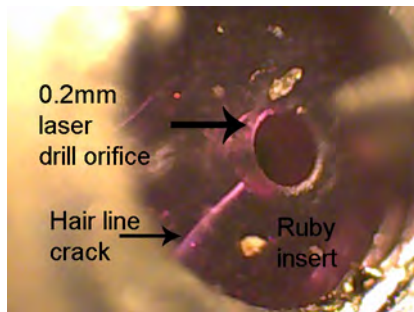
GAS TURBINE DRY FOG COOLING

Ruby-orifice 316 Stainless Steel Fog Nozzle produces Fog from 1 to 10 microns @ 140 bar

Series 8 is specifically designed and manufactured for critical Gas Turbine Cooling. It is constructed of 316 stainless steel material in its entirety with hardened Ruby Insert Orifice of 0.2mm diameter. Demineralized water is pressured into billions of fine micron fog by means of high pressure positive displacement pump at 140 bar. The critical mass of fine fog equivalent to massive droplet surface area is essential for optimum heat absorption in the turbine air intake column. It is imperative that no cracks are prevalent in the ruby insert as damage to the gas turbine parts can be costly



Microscopic Inspection on the Ruby Orifice



Series	Orifice (inch)	Flow Rate in GPM at PSI						Orifice (mm)	Flow Rate in LPM at BAR					
		400	800	1000	1200	1500	2000		40	60	70	80	100	140
8	.008	.029	.041	.046	.050	.056	.065	.20	.127	.161	.174	.188	.210	.248

