



Boost your shop's efficiency and profitability with a filtration solution designed to deliver results. By extending coolant life through superior filtration and eliminating the need to buy, store, or dispose of costly filters, this system removes ferrous, nonferrous, and even nonmetallic particles while arresting bacteria growth. Its compact design saves valuable floor space, and with virtually maintenance-free operation, you'll experience improved pump performance and longer machine tool life. Best of all, the system delivers a fast return on investment, helping you increase your bottom line while reducing downtime and operating costs.

Unique Filtration Process

- Continuously filters coolant supply
- 98% efficiency
- 75lpm at 5um or 20lpm at 3um

Standard Features

- Unit Footprint:
W16" x L22" x H54" W406 x L559 x H1372
- Unit Power to Spec 120v/230v/460v
- Power Requirement 1.8kva



Cyclonic Filtration

Dirty coolant enters the cyclone at the inlet orifice (1) of the cyclonic chamber (3). The shape and tangential location of the orifice develops a downward, spiraling flow of the coolant. This is called the primary whirl (4), which follows the chamber walls because of centrifugal force of up to 7500 times that of gravity. This same force spins out the solid particles to 5 microns or .00019" diameter from the coolant. The solid particles strike the wall and slide down to the discharge orifice (7). A throttling effect in the lower (ceramic) cyclonic chamber (6) reverses the descent of the coolant but not the rotation. This forms the secondary whirl (5), a rising, spiraling flow of cleaned coolant that passes up through the primary whirl to the whirl searcher (2).



Model	Volume & Pressure	Flow Type	Outlets	Filtration Type	Coolant Type
EcoClean 20	75lpm/1bar	Fixed	1	5mm Cyclonic	Water Soluble
EcoClean 5	20lpm/1.4bar	Fixed	1	3mm Cyclonic	Water Soluble

